Object Reference for Salesforce and Lightning Platform

Version 43.0, Summer ’18

@salesforcedocs

Last updated: August 29, 2018

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CHAPTER 1 Object Basics

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Generally speaking, API objects represent database tables that contain your organization's information. For example, the central object in the Salesforce data model represents accounts—companies and organizations involved with your business, such as customers, partners, and competitors. The term "record" describes a particular occurrence of an object (such as a specific account like "IBM" or "United Airlines" that is represented by an Account object). A record is analogous to a row in a database table.

Objects already created for you by Salesforce are called standard objects. Objects you create in your organization are called custom objects. Objects you create that map to data stored outside your organization are called external objects.

While this document describes all of the objects available in the API, your applications work with only the objects that you are authorized to access. Programmatic access to objects is determined by the objects defined in your organization, your organization configuration, your user permissions and access settings (which are configured by your organization's system administrator), your data sharing model, and other factors related specifically to the object.

Most of the objects accessible through the API are read-write objects. However, there are a few objects that are read-only. This fact is noted in the description for the object.

Primitive Data Types

The API uses the following primitive data types:

Value	Details
base64	Base 64-encoded binary data. Fields of this type are used for storing binary files in Attachment records, Document records, and Scontrol records. In these objects, the `Body` or `Binary` field contains the (base64 encoded) data, while the `BodyLength` field defines the length of the data in the `Body` or `Binary` field. In the Document object, you can specify a URL to the document instead of storing the document directly in the record.
boolean	Boolean fields have one of these values: `true` (or 1), or `false` (or 0).
byte	A set of bits.
date	Date data. Fields of this type contain date values, such as `ActivityDate` in the Event object. Unlike dateTime fields, date fields contain no time value—the time portion of a date field is not relevant and is always set to midnight in the Coordinated Universal Time (UTC) time zone. If you specify a date value in a query, you can filter on date fields only.
dateTime	Date/time values (timestamps). Fields of this type handle date/time values (timestamps), such as `ActivityDateTime` in the Event object or the `CreatedDate`, `LastModifiedDate`, or `SystemModstamp` in many objects. Regular dateTime fields are full timestamps with a precision of one second. They are always transferred in the Coordinated Universal Time (UTC) time zone. In your client application, you might need to translate the timestamp to or from a local time zone. If you specify a dateTime value in a query, you can filter on dateTime fields only. Development tools differ in the way that they handle time data. Some development tools report the local time, while others report only the Coordinated Universal Time (UTC) time zone. To determine how your development tool handles time values, refer to its documentation. Note: The Event object has a `DurationInMinutes` field that specifies the number of minutes for an event. Even though this is a temporal value, it is an integer type—not a dateTime type.
double	Double values. Fields of this type can contain fractional portions (digits to the right of the decimal place), such as `ConversionRate` in CurrencyType. In the API, all non-integer values (such as Currency Field Type and Percent Field Type) contain values of type double. Some restrictions may be applied to double values: • `scale`: Maximum number of digits to the right of the decimal place. • `precision`: Total number of digits, including those to the left and the right of the decimal place The maximum number of digits to the left of the decimal place is equal to `precision` minus `scale`. In the online application, precision is defined differently—it is the maximum number of digits allowed to the left of the decimal place. Values can be stored in scientific notation if the number is large enough (or, for negative numbers, small enough), as indicated by the W3C XML Schema Part 2: Datatypes Second Edition specification. Warning: When the user sets the precision in custom fields in the Salesforce application, it displays the precision set by the user, even if the user enters a more precise value than defined for those

Value	Details
	fields. However, when you set the precision in custom fields using the API, no rounding occurs when the user retrieves the number field.
int	Fields of this type contain numbers with no fractional portion (digits to the right of a decimal place), such as the `NumberOfEmployees` in an Account. For integer fields, the digits field specifies the maximum number of digits that an integer can have.
string	Character strings. Fields that are of data type `string` contain text and some have length restrictions depending on the data being stored. For example, in the Contact object, the `FirstName` field is 40 characters, the `LastName` field is 80 characters, the `MailingStreet` is 255 characters. Note: For fields that contain strings, behavior is different beginning with API version 15.0. In API versions previous to 15.0, if you specify a value for a field, and that value is too large, the value is truncated. For API version 15.0 and later, if a value is specified that is too large, the operation fails and the fault code `STRING_TOO_LONG` is returned. AllowFieldTruncationHeader allows you to specify that the previous behavior, truncation, be used instead of the new behavior in API versions 15.0 and later. This header has no effect in versions 14.0 and earlier. The affected fields are: anyType, email, encryptedstring, multipicklist, phone, picklist, string, and textarea.
time	Time values. Fields of this type handle time values, such as `FridayEndTime` in the BusinessHours object. Development tools differ in the way that they handle time data. Some development tools report the local time, while others report only the Coordinated Universal Time (UTC) time zone. To determine how your development tool handles time values, refer to its documentation.

These data types are used in the SOAP messages that are exchanged between your client application and the API. When writing your client application, follow the data typing rules defined for your programming language and development environment. Your development tool handles the mapping of typed data in your programming language with these SOAP data types.

The primitive data types are:

- specified in the World Wide Web Consortium's publication *XML Schema Part 2: Data Types* at the following URL: `http://www.w3.org/TR/xmlschema-2/`.
- enumerated in the `SOAPType` field of the Field type, which is described in the `fields` property of the DescribeSObjectResult.

Primitive types are used as a standardized way to define, send, receive, and interpret basic data types in the SOAP messages exchanged between client applications and the API. In addition, primitive data types are interpreted in a Salesforce-specific way, which is useful for display formatting and for numeric conversion (adding values of different currencies).

For example, Salesforce chooses to interpret a double value passed via SOAP as a `double` in a number of possible ways, depending on the field definition. If the field type for that data is currency, Salesforce handles the display of the data by prepending it with a currency symbol and inserting a decimal for precision. Similarly, if the field type is percent, Salesforce handles the display of the data by appending a percent sign (%). Regardless of the field type, however, the value is sent in the SOAP message as a double.

The API uses data types called field types that are defined in the WSDLs. For more information, see Field Types.

Field Types

In addition to the primitive data types, the API defines the following data types for fields:

Note: For fields that contain strings, behavior is different beginning with API version 15.0. In API versions previous to 15.0, if you specify a value for a field, and that value is too large, the value is truncated. For API version 15.0 and later, if a value is specified that is too large, the operation fails and the fault code `STRING_TOO_LONG` is returned. AllowFieldTruncationHeader allows you to specify that the previous behavior, truncation, be used instead of the new behavior in API versions 15.0 and later. This header has no effect in versions 14.0 and earlier. The affected fields are: anyType, email, encryptedstring, multipicklist, phone, picklist, string, and textarea.

Field Type	What the Field Contains
address	A compound data type that contains address field data. See Address Compound Fields.
anyType	Polymorphic data type that returns string, picklist, reference, Boolean, currency, int, double, percent, ID, date, datetime, url, or email data depending on the kind of field involved. See AnyType Field Type.
calculated	Fields that are defined by a formula. See Calculated Field Type.
combobox	A combobox, which includes a set of enumerated values and allows the user to specify a value not in the list. See ComboBox Field Type.
currency	Currency values. See Currency Field Type.
DataCategoryGroupReference	Reference to a data category group or a category unique name. See DataCategoryGroupReference Field Type.
email	Email addresses. See Email Field Type.
encryptedstring	Encrypted text fields contain any combination of letters, numbers, or symbols that are stored in encrypted form. You can set a maximum length of up to 175 characters. Available in API versions 11.0 and later.
ID	Primary key field for the object. See ID Field Type. Note: Most Web services tools, including .NET and WSC, map the ID simple type defined in the API WSDL (Enterprise or Partner) to a string. However, other tools generate a specific ID class to represent the ID simple type. Consult your Web services toolkit documentation for more information.
JunctionIdList	A string array of referenced ID values that represent the many-to-many relationship of an underlying junction entity. Query and manipulate the string array to query and manipulate the underlying junction entities in a single API call. See: JunctionIdList Field Type Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
location	A compound data type that contains latitude and longitude values for geolocation fields. See Geolocation Compound Field.
masterrecord	When records are merged, the ID of the record that is saved (the other records are deleted).
multipicklist	Multi-select picklists, which include a set of enumerated values from which multiple values can be selected. See Multi-Select Picklist Field Type.
percent	Percentage values. See Percent Field Type.

Field Type	What the Field Contains
phone	Phone numbers. Values can include alphabetic characters. Client applications are responsible for phone number formatting. See Phone Field Type.
picklist	Picklists, which include a set of enumerated values from which one value can be selected. See Picklist Field Type.
reference	Cross-references to a different object. Analogous to a foreign key field in SQL. See Reference Field Type.
textarea	String that is displayed as a multiline text field. See Textarea Field Type.
url	URL values. Client applications commonly display URLs as hyperlinks. See URL Field Type.

These field types extend primitive data types. Many of these field types follow common data typing conventions that are made explicit in their metadata. However, certain field types have unique characteristics that you must understand before using them in your client application.

These field types apply to both standard and custom fields. They are enumerated in the `type` field of the Field type, which is described in the `fields` property of the DescribeSObjectResult.

Note: Some numeric fields have precision and scale limits. In addition, certain text fields have length restrictions. These restrictions are enforced when you `create()` or `update()` objects. However, the API can return data that does not meet these restrictions.

AnyType Field Type

The `anyType` field type is dynamic and returns `string`, `date`, `number`, or `boolean` data depending on the kind of field involved. For example, the element in a SOAP message has an `xsi:type="xsd:string"` attribute if the field is of type `string`. This field type is used in history objects for the `NewValue` and `OldValue` fields. It is also a valid field type for `fieldType` and `soapType`.

Note: Most SOAP toolkits automatically deserialize this element into the correct native type.

Calculated Field Type

Calculated fields are read-only fields in the API. These fields defined by a formula, which is an algorithm that derives its value from other fields, expressions, or values. You can filter on these fields in SOQL, but you don't replicate these fields. The length of text calculated fields is 3900 characters or less—anything longer is truncated.

Calculated fields are called formula fields in the Salesforce user interface.

ComboBox Field Type

A combobox is a picklist that also allows users to type a value that is not already specified in the list. A combobox is defined as a string value.

Currency Field Type

Currency fields contain currency values, such as the `ExpectedRevenue` field in a Campaign, and are defined as type double.

For organizations that have the multicurrency option enabled, the `CurrencyIsoCode` field is defined for any object that can have currency fields. The `CurrencyIsoCode` field and currency fields are linked in a special way. On any specific record, the `CurrencyIsoCode` field defines the currency of that record. Therefore, the values of all currency fields on that record are expressed in that currency.

For most cases, clients do not need to consider the linking of the `CurrencyIsoCode` field and the currency fields on an object. However, consider the following:

- The `CurrencyIsoCode` field exists only for those organizations that have enabled multicurrency support.
- When displaying the currency values in a user interface, it is preferred to prepend each currency value with its `CurrencyIsoCode` value and a space separator.
- The `CurrencyIsoCode` field is a restricted picklist field. The set of allowable values, defined in the CurrencyType object, can vary from organization to organization. Attempting to set it to a value that is not defined for an organization causes the operation to be rejected.
- If you update the `CurrencyIsoCode` field on an object, it implicitly converts all currency values on that object to the new currency code The field uses the conversion rates that are defined for that organization in the Salesforce user interface. If you specify currency values in that same `update()` call, the new currency values you specify are interpreted in the new `CurrencyIsoCode` field value, without conversion.
- The picklist values in a `CurrencyIsoCode` field do not exactly match the labels displayed in Salesforce.

To perform currency conversions, client applications can look up the `CurrencyIsoCode` in the CurrencyType object.

DataCategoryGroupReference Field Type

A data category group has categories that classify articles in Salesforce Knowledge and questions in the Answers feature. Every article and question object has two fields of type DataCategoryGroupReference which contain the category group and category unique name. You can use the `describeDataCategoryGroups()` and `describeDataCategoryGroupStructures()` calls to retrieve the category groups and categories associated to these objects.

Email Field Type

Email fields contain email addresses. Client applications are responsible for specifying valid and properly formatted email addresses in `create()` and `update()` calls.

ID Field Type

With rare exceptions, all objects in the API have a field of type ID. The field is named `Id` and contains a unique identifier for each record in the object. It is analogous to a primary key in relational databases. When you `create()` a new record, the Web service generates an ID value for the record, ensuring that it is unique within your organization's data. You cannot use the `update()` call on ID fields. Because the ID value stays constant over the lifetime of the record, you can refer to the record by its ID value in subsequent API calls. Also, the ID value contains a three-character code that identifies the object type, which client applications can retrieve via the `describeSObjects()` call.

In addition, certain objects, including custom objects, have one or more fields of type `reference` that contain the ID value for a related record. These fields have names that end in the suffix "-Id", for example, `OwnerId` in the account object. `OwnerId` contains the ID of the user who owns that object. Unlike the field named `Id`, `reference` fields are analogous to foreign keys and can be changed via the `update()` call. For more information, see Reference Field Type.

Some API calls, such as `retrieve()` and `delete()`, accept an array of IDs as parameters—each array element uniquely identifies the row to retrieve or delete. Similarly, the `update()` call accepts an array of sObject records—each sObject contains an `Id` field that uniquely identifies the sObject.

ID fields in the Salesforce user interface contain 15-character, base-62, case-sensitive strings. Each of the 15 characters can be a numeric digit (0-9), a lowercase letter (a-z), or an uppercase letter (A-Z). Two unique IDs can differ only by a change in case.

TSome applications, such as Access, do not recognize that 50130000000014c is a different ID from 50130000000014C. Therefore, all API calls return an 18-digit, case-safe version of the ID. The 18 character IDs have been formed by adding a suffix to each ID in the Lightning Platform API. 18-character IDs can be safely compared for uniqueness by case-insensitive applications, and can be used in all API calls when creating, editing, or deleting data.

To convert the 18-character ID to a 15-character version, truncate the last three characters. Salesforce recommends that you use the 18-character ID.

Note: Most Web services tools, including .NET and WSC, map the ID simple type defined in the API WSDL (Enterprise or Partner) to a string. However, other tools generate a specific ID class to represent the ID simple type. Consult your web services toolkit documentation for more information.

JunctionIdList Field Type

Starting in API version 34.0, the `JunctionIdList` field type lets you manipulate the many-to-many relationship of an entity directly. You no longer need to manipulate underlying junction entity records. `JunctionIdList` fields can be queried and updated like any other field on the entity. Queries or updates to `JunctionIdList` fields act as queries or updates to the underlying junction entity records. Fields of type `JunctionIdList` appear in the WSDL as an unbounded array of type ID.

Query JunctionIdList fields just like any other field. Here's an example of a SOQL query that includes the `TaskWhoIds` JunctionIdList field.

```
SELECT Id, Subject, TaskWhoIds
FROM Task
WHERE LastModifiedDate > LAST_WEEK
```

Note: The total number of records you can query for in a single SOQL query, when one of the fields being queried on is of type JunctionIdList, can't exceed 500. If the number of records returned exceeds 500, EXCEPTION: System.UnexpectedException: Truncated appears.

The restriction is <total number of entity records> * <total number of records in the entity's JunctionIdList field> <= 500.

For example, you query on the EventWhoIds JunctionIdList field for a list of events. There are 101 events and for each event, there are 5 records in the EventWhoIds JunctionIdList. Therefore, the SOQL query would be querying for 505 records in total, which is over the 500 limit, and you get an exception.

Multi-Select Picklist Field Type

Multi-select picklist fields contain a list of one or more items from which a user can choose multiple items. One of the items can be configured as the default item. Selections are maintained as a string containing a series of attributes delimited by semicolons. For example, a query can return the values of a multivalue picklist as "first value; second value; third value". For information on querying multi-select picklists, see Querying Multi-Select Picklists in the *Salesforce SOQL and SOSL Reference Guide*.

Percent Field Type

Percent fields contain percent values. Percent fields are defined as type double.

Phone Field Type

Phone fields contain phone numbers, which can include alphabetic characters. Client applications are responsible for phone number formatting.

Picklist Field Type

Picklist fields contain a list of one or more items from which a user chooses a single item. They display as dropdown lists in the Salesforce user interface. One of the items can be configured as the default item.

In the Field object associated with the DescribeSObjectResult, the `restrictedPicklist` field defines whether the field is a restricted picklist or not. The API does not enforce the list of values for advisory (unrestricted) picklist fields on `create()` or `update()`. When inserting an unrestricted picklist field that does not have a PicklistEntry, the system creates an "inactive" picklist value. This value can be promoted to an "active" picklist value by adding the picklist value in the Salesforce user interface.

When creating new, inactive picklists, the API checks to see if there is a match. This check is case-insensitive.

In theField object associated with the DescribeSObjectResult, the `picklistValues` field contains an array of items (PicklistEntry objects). Each PicklistEntry defines the item's label, value, and whether it is the default item in the picklist (a picklist has no more than one default value).

Enumerated fields support localization of the labels to the language of the user. For example, for the `Industry` field on an Account, the value "Agriculture" can be translated to various languages. The enumerated field values are fixed and do not change with a user's language. However, each value may have a specified "label" field that provides the localized label for that value. Always use the value when inserting or updating a field. The `query()` call always returns the value, not the label. Use the corresponding label for a value in the describeSObjectResult when displaying the value to the user in any user interface.

The API supports the retrieval of the certain picklists in the following objects: CaseStatus, ContractStatus, LeadStatus, OpportunityStage, PartnerRole, SolutionStatus, TaskPriority, and TaskStatus. Each object represents a value in the respective picklist. These picklist entries always specify some other piece of information, such as whether the status is converted. Your client application can invoke the `query()` call on any of these objects (such as CaseStatus) to retrieve the set of values in the picklist. The application can then use that information while processing other objects (such as Case objects) to find more information about those objects (such as a given case). These objects are read-only via the API. To modify items in picklists, you must use the Salesforce user interface.

Reference Field Type

A reference field contains an `Id` value that points to a unique record (usually the parent record) on another object. A reference field is analogous to the concept of a foreign key in relational databases. The name of a reference field ends, by convention, with the letters `Id` (such as `CaseId` or `OpportunityId`). For example, in the OpportunityCompetitor object, the `OpportunityId` field is a reference field that points to the Opportunity object. It contains an ID value that uniquely identifies an Opportunity record.

Sometimes, an object can refer to another object of its same type. For example, an Account can have a parent link that points to another Account.

The Event and Task objects both have `WhoId` and `WhatId` cross-reference ID fields. Each of these cross-reference fields can point to one of several other objects. The `WhoId` field can point to a Contact or Lead, and the `WhatId` field can point to an Account, Opportunity, Campaign, or Case. In addition, if the `WhoId` field refers to a Lead, then the `WhatId` field must be empty.

You can describe and query each cross-referenced object. When you query a cross-reference ID field, it returns an object ID of the appropriate type. You can then query that ID to get additional information about the object, using the ID in the `id` field for that query.

The cross-reference ID field value is either:

- a valid record in your organization, or
- an empty value, which indicates an empty reference

The cross-reference ID field value, if non-`null`, is guaranteed to be an object in your organization. However, it is not guaranteed that you can query that object. Users with the "View All Data" permission can always query that object. Other users can be restricted from viewing or editing the referenced object.

When specifying a value for a cross-reference ID field in a `create()` or `update()` call, the value must be a valid value of type ID, and the user must have appropriate access to that object. The exact requirements vary from field to field.

Textarea Field Type

Textarea fields contain text that can be longer than 4000 bytes. Unlike string fields, textarea fields cannot be specified in the WHERE clause of a queryString of a `query()` call. To filter records on this field, you must do so while processing records in the QueryResult. For fields with this restriction, its `filterable` field in the Field type (described in the `fields` property of the DescribeSObjectResult) is `false`.

URL Field Type

URL fields contain URLs. Client applications are responsible for specifying valid and properly formatted URLs in `create()` and `update()` calls.

Compound Fields

Compound fields group together multiple elements of primitive data types, such as numbers or strings, to represent complex data types, such as a location or an address. Compound fields are an abstraction that can simplify application code that handles the values, leading to more concise, understandable code.

Address compound fields are available in the SOAP and REST APIs in API version 30.0 and later. Geolocation fields are available in the SOAP and REST APIs in API version 26.0 and later, with some limitations on SOAP for API versions below 30.0.

Compound fields are accessible as a single, structured field, or as individual component fields. The values contained within the compound field and the values in individual fields both map to the same underlying data stored in Salesforce; they always have identical values. Code that references individual component fields is unaffected by the new compound fields.

Compound fields are read-only. Changes are performed by writing to the individual component fields. This maintains a single, consistent method for performing updates, and avoids the possibility of conflicts. For example, if both the `BillingAddress` compound field and `BillingCity` individual component field were updated in the same API call, it would be unclear which value should be saved.

Compound fields are available only through the SOAP and REST APIs. Compound fields are described in both the Enterprise and Partner WSDLs. Update your WSDL to at least API 30.0 to access the new compound data types.

Address Compound Fields

Standard addresses—addresses built into standard objects in Salesforce—are accessible in the SOAP and REST APIs as an `Address`, a structured compound data type, as well as individual address elements.

Geolocation Compound Field

Geolocation fields are accessible in the SOAP and REST APIs as a `Location`—a structured compound data type—or as individual latitude and longitude elements.

Compound Field Considerations and Limitations

Address and geolocation compound fields are convenient and result in more concise, clear code. Here are some things to consider when using them in your apps.

Address Compound Fields

Standard addresses—addresses built into standard objects in Salesforce—are accessible in the SOAP and REST APIs as an `Address`, a structured compound data type, as well as individual address elements.

The `Address` type extends the `Location` type, the data type used for compound geolocation fields. Using API 30.0 and later, standard addresses are available in the SOAP and REST APIs as a compound field of type `Address`, a structured data type that combines the following fields.

Field	Type	Description
`Accuracy`	picklist	Accuracy level of the geocode for the address. For example, this field is known as `MailingGeocodeAccuracy` on Contact.
`City`	string	The city detail for the address. For example, this field is known as `MailingCity` on Contact.
`Country`	string	The country detail for the address. For example, this field is known as `MailingCountry` on Contact.
`CountryCode`	picklist	The ISO country code for the address. For example, this field is known as `MailingCountryCode` on Contact. `CountryCode` is always available on compound address fields, whether or not state and country picklists are enabled in your organization.
`Latitude`	double	Used with `Longitude` to specify the precise geolocation of the address. For example, this field is known as `MailingLatitude` on Contact.
`Longitude`	double	Used with `Latitude` to specify the precise geolocation of the address. For example, this field is known as `MailingLongitude` on Contact.
`PostalCode`	string	The postal code for the address. For example, this field is known as `MailingPostalCode` on Contact.
`State`	string	The state detail for the address. For example, this field is known as `MailingState` on Contact.
`StateCode`	picklist	The ISO state code for the address. For example, this field is known as `MailingStateCode` on Contact. `StateCode` is always available on compound address fields, whether or not state and country picklists are enabled in your organization.
`Street`	textarea	The street detail for the address. For example, this field is known as `MailingStreet` on Contact.

Address fields are provided on many standard objects, such as Account, Contact, Quote, and User. Some objects provide fields for multiple addresses. For example, Account provides for four different addresses. In this case, address field names are prefixed with the type of address, for example, `BillingAddress`, `ShippingAddress`, and so on.

Note: Standard address compound fields are read-only, and are only accessible using the SOAP and REST APIs. See Compound Field Considerations and Limitations on page 13 for additional details of the restrictions this imposes.

When an address is geocoded, its latitude and longitude fields are populated with coordinates. A related geolocation field is also populated. Typically, geocoding service providers geocode addresses, and rate the accuracy of the geocodes.

The accuracy subfield `GeocodeAccuracy` stores the accuracy data for a geocoded location. External geolocation apps can get the accuracy level of a geocoded address via the API. When you retrieve an address via the API, any accuracy data is included. You can also retrieve the accuracy information by itself, if needed.

Like its parent, the compound `Address` field, the `GeocodeAccuracy` field is only available for standard address fields on standard objects.

Retrieving Compound Address Fields

Using compound fields can simplify code that works with addresses, especially for SOQL queries. SOQL `SELECT` clauses can reference addresses directly, instead of all of the individual component fields.

```
SELECT Name, BillingAddress
FROM Account
```

To write code that's compatible with API versions before 30.0, as well as API 30.0 and above, use the individual fields:

```
SELECT Name, BillingStreet, BillingCity, BillingState, BillingPostalCode,
       BillingCountry, BillingLatitude, BillingLongitude
FROM Account
```

Compound address field values are returned as a structured data type, `Address`. Code that works with compound address fields needs to reference the individual components of the returned value. See the code sample below.

Example: **Retrieve a Standard Address Compound Field with the SOAP API**

The following Java method uses the Salesforce SOAP API to retrieve and display the Mailing Address for a list of contacts.

```
// Modified version of code in the SOAP API QuickStart
private void querySample() {
    String soqlQuery = "SELECT FirstName, LastName, MailingAddress FROM Contact";
    try {
        QueryResult qr = connection.query(soqlQuery);
        boolean done = false;

        if (qr.getSize() > 0) {
            System.out.println("\nLogged-in user can see "
              + qr.getRecords().length + " contact records.");

            while (!done) {
                System.out.println("");
                SObject[] records = qr.getRecords();
                for (int i = 0; i < records.length; ++i) {
                    Contact con = (Contact) records[i];
                    String fName = con.getFirstName();
                    String lName = con.getLastName();

                    // Access the compound address field MailingAddress
                    Address addr = (Address) con.getMailingAddress();
                    String streetAddr = "";
                    if (null != addr) streetAddr = addr.getStreet();

                    if (fName == null) {
                        System.out.println("Contact " + (i + 1) + ": " + lName +
                            " -- " + streetAddr);
                    } else {
```

```
                        System.out.println("Contact " + (i + 1) + ": " + fName +
                            " " + lName +
                            " -- " + streetAddr);
                    }
                }

                if (qr.isDone()) {
                    done = true;
                } else {
                    qr = connection.queryMore(qr.getQueryLocator());
                }
            }
        } else {
            System.out.println("No records found.");
        }
    } catch (ConnectionException ce) {
        ce.printStackTrace();
    }
}
```

Using Compound Address Fields as Locations

Compound address fields include latitude and longitude fields. Address fields can be used as locations in SOQL `WHERE` and `ORDER BY` clauses. For example, here's a SOQL query that uses the `GEOLOCATION` function to retrieve the 10 accounts closest to San Francisco.

```
SELECT Id, Name, BillingAddress
FROM Account
WHERE DISTANCE(BillingAddress, GEOLOCATION(37.775,-122.418), 'mi') < 20
ORDER BY DISTANCE(BillingAddress, GEOLOCATION(37.775,-122.418), 'mi')
LIMIT 10
```

Note: In Developer, Professional, Enterprise, Unlimited, and Performance editions, Salesforce can automatically add or update geolocation fields for Account, Contact, Lead, and WorkOrder records. To use this feature, your administrator must enable the geo data integration rule for each object. For all other objects and editions, set values for latitude and longitude by using SOQL, Workbench, SOAP or REST API, or a geocoding service. You can then use address fields as locatable values. To find geocoding services, search AppExchange.

Geolocation Compound Field

Geolocation fields are accessible in the SOAP and REST APIs as a `Location`—a structured compound data type—or as individual latitude and longitude elements.

In API versions 26.0 and later, geolocation fields are available in the SOAP and REST APIs as a compound field of type `Location`. This structured data type contains the following fields.

- `latitude`
- `longitude`

Note: SOAP calls that use API versions earlier than 30.0 return geolocation compound values as strings. See "Returned Geolocation Data Types" later in this topic.

Geolocation fields are provided on many standard objects, such as Account, Contact, Quote, and User, as part of their address field or fields. Geolocation fields can also be added as custom fields to standard or custom objects.

Note:

- A geolocation compound field is read-only, although its `latitude` and `longitude` subfields are editable. You can only access compound fields using the SOAP or REST API. For more information about working with compound fields and their subfields, see Compound Field Considerations and Limitations on page 13.
- Although geolocation fields appear as a single field in the user interface, custom geolocation fields count as *three* custom fields towards your organization's limits: one for latitude, one for longitude, and one for internal use.

Retrieving Compound Geolocation Fields

Using compound fields can simplify code that works with geolocations, especially for SOQL queries. SOQL `SELECT` clauses can reference geolocations directly, instead of the individual component fields.

```
SELECT location__c
FROM Warehouse__c
```

To write code that's compatible with API versions earlier than 26.0 and with API versions 26.0 and later, use the individual latitude and longitude fields.

```
SELECT location__latitude__s, location__longitude__s
FROM Warehouse__c
```

Returned Geolocation Data Types

A compound geolocation field value is returned as the structured data type `Location`. Code that works with compound geolocation fields must reference the individual components of the returned value. See the sample code in Address Compound Fields on page 11.

In API versions earlier than 30.0, SOAP calls return compound geolocation field values as strings, instead of as a structured data type, for backward compatibility. If you plan to display your latitude and longitude values or pass them to a service that expects strings, use the values that are returned. If you plan to use the values in mathematical calculations or pass them to a map service that expects numbers, cast the results to numbers.

The string value format is:

```
API location: [latitudeValue longitudeValue]
```

An example of a regular expression to parse out the latitude and longitude values is:

```
API location: \[([-+]?\d{1,2}([.]\d+)?) ([-+]?\d{1,3}([.]\d+)?)]
```

The first capture is the latitude, and the third is the longitude.

Compound Field Considerations and Limitations

Address and geolocation compound fields are convenient and result in more concise, clear code. Here are some things to consider when using them in your apps.

Both address and geolocation compound fields have the following limitations.

- Compound fields are read-only. To update field values, modify the individual field components.
- Compound fields are accessible only through the SOAP and REST APIs. The compound versions of fields aren't accessible anywhere in the Salesforce user interface.

- Although compound fields can be queried with the `Location` and `Address` Apex classes, they're editable only as components of the actual field. Read and set geolocation field components by appending "__latitude__s" or "__longitude__s" to the field name, instead of the usual "__c." For example:

  ```
  Double theLatitude = myObject__c.aLocation__latitude__s;
  myObject__c.aLocation__longitude__s = theLongitude;
  ```

  You can't access or set the compound value.

- You can't use compound fields in Visualforce—for example, in an `<apex:outputField>`. To access or update field values, use the individual field components.
- If you select compound fields for export in the Data Loader, they cause error messages. To export values, use individual field components.
- Custom geolocation and location fields on standard addresses aren't supported with email templates.
- You can't use compound fields in lookup filters, except to filter distances that are within or not within given ranges. You can use distance lookup filters only in the Metadata API.
- The only formula functions that you can use with compound fields are `ISBLANK`, `ISCHANGED`, and `ISNULL`. You can't use `BLANKVALUE`, `CASE`, `NULLVALUE`, `PRIORVALUE`, or the equality and comparison operators with compound fields. The equality and comparison operators include `=` and `==` (equal), `<>` and `!=` (not equal), `<` (less than), `>` (greater than), `<=` (less than or equal), `>=` (greater than or equal), `&&` (AND), and `||` (OR).

Address compound fields have the following limitations.

- Compound address fields are available only for address fields that exist as part of the standard objects included in Salesforce. You can't create custom compound address fields.
- In Developer, Professional, Enterprise, Unlimited, and Performance editions, Salesforce can automatically add or update geolocation fields for Account, Contact, Lead, and WorkOrder records. To use this feature, your administrator must enable the geo data integration rule for each object. For all other objects and editions, set values for latitude and longitude by using SOQL, Workbench, SOAP or REST API, or a geocoding service. You can then use address fields as locatable values. To find geocoding services, search AppExchange.
- The accuracy subfield of address fields is populated only when an address is geocoded. Typically, geocoding service providers provide accuracy data for an address's latitude and longitude coordinates.
- Address fields can't be used in `WHERE` statements in SOQL. Address fields aren't filterable, but the `isFilterable()` method of the `DescribeFieldResult` Apex class erroneously returns `true` for address fields.

Geolocation compound fields have the following limitations.

- Geolocation fields aren't supported in custom settings.
- Geolocation fields aren't available in dashboards or Schema Builder.
- Geolocation fields are available in Visual Workflow and in formula-based workflow and approvals, but they can't be used in filter-based workflow updates and approvals.
- `DISTANCE` formulas are supported in:
  - Entry criteria for workflow rules and approval processes
  - Field update actions in workflow rules and approval processes
  - Custom validation rules
  - Lookup filters (in the Metadata API only)
- Geolocation fields and latitude and longitude on standard addresses aren't supported in Salesforce to Salesforce.
- In Developer, Professional, Enterprise, Unlimited, and Performance editions, Salesforce can automatically add or update geolocation fields for Account, Contact, Lead, and WorkOrder records. To use this feature, your administrator must enable the geo data integration

rule for each object. For all other objects and editions, set values for latitude and longitude by using SOQL, Workbench, SOAP or REST API, or a geocoding service. You can then use address fields as locatable values. To find geocoding services, search AppExchange.

- Geolocation fields are supported in SOQL with the following limitations.
  - `DISTANCE` and `GEOLOCATION` are supported in `WHERE` and `ORDER BY` clauses in SOQL, but not in `GROUP BY`. `DISTANCE` is supported in `SELECT` clauses.
  - `DISTANCE` supports only the logical operators > and <, returning values within (<) or beyond (>) a specified radius.
  - When using the `GEOLOCATION` function in SOQL queries, the geolocation field must precede the latitude and longitude coordinates. For example, `DISTANCE(warehouse_location__c, GEOLOCATION(37.775,-122.418), 'km')` works but `DISTANCE(GEOLOCATION(37.775,-122.418), warehouse_location__c, 'km')` doesn't work.
  - Apex bind variables aren't supported for the units parameter in `DISTANCE` or `GEOLOCATION` functions. This query doesn't work.

```
String units = 'mi';
List<Account> accountList =
    [SELECT ID, Name, BillingLatitude, BillingLongitude
     FROM Account
     WHERE DISTANCE(My_Location_Field__c, GEOLOCATION(10,10), :units) < 10];
```

For more information and examples, see the *SOQL and SOSL Reference*.

API Data Types and Salesforce Field Types

Generally, API data types and field types in the user interface have the same names. For example, a date field is represented by a date data type in the API. However, some field types are represented differently depending on whether you are inspecting an object via the API or the user interface. The following table contains the mapping for field types and data types that are different:

API Data Type	Corresponding Field Types in the User Interface
ID	Lookup relationship, master-detail relationship
string	Auto number, email, phone, picklist, multi-select picklist, text, text area, long text area, rich text area, data category group reference and URL. Different maximum lengths are specified in the WSDL for text, text area, and long text area.
boolean	Checkbox
double	Currency, formula, number, percent, and roll-up summary
Varies by type	When formula fields are created in the user interface, a type must be specified. This type corresponds to the API data type of the same name: currency, date, date/time, number, percent, or text.

All other fields that you can create in the user interface fall into one of the following categories:

- The field is not available in both the user interface and the API. For example, the BusinessHours object has fields of API data type time, but you cannot create a custom field of this type.
- Field types are the same as their corresponding API data type. For example, if you create a date field in the user interface, that field is the date data type in the API.

For more information about API data types, see Primitive Data Types and Field Types.

Required Fields

Required fields must have a non-`null` value. This rule affects the create and update calls:

- In a create call, the system automatically populates the data for certain required fields (such as system fields and the object ID fields). Similarly, if a required field has a default value (its `defaultedOnCreate attribute` is set to `true`, as described in Field in a describe result, then the system implicitly assigns a value for this field when the object is created, even if a value for this field is not explicitly passed in on the create call. For all other required fields, such as ID fields that are analogous to foreign keys in SQL, a client application must explicitly assign a value when the object is created (it cannot be `null`).
- In updates, a required field cannot be set to `null`, and many required fields can't be changed.

Any field not specified as required in the object description is optional, that is, it can be `null` when updated or created.

Some required fields for some objects require special handling.

System Fields

The following fields are read-only fields found on most objects. These fields are automatically updated during API operations. For example, the ID field is automatically generated during a create operation and the LastModifiedDate is automatically updated when a user modifies a record.

Field	Field Type	Description
`Id`	ID	Globally unique string that identifies a record. For information on IDs, see ID Field Type. Because this field exists in every object, it is not listed in the field table for each object. `Id` fields have Defaulted on create and Filter access.
`IsDeleted`	boolean	Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). Because this field does not appear in all objects, it is listed in the field table for each object.
		Audit Fields
`CreatedById`	reference	ID of the User who created this record. `CreatedById` fields have Defaulted on create and Filter access.
`CreatedDate`	dateTime	Date and time when this record was created. `CreatedDate` fields have Defaulted on create and Filter access.
`LastModifiedById`	reference	ID of the User who last updated this record. `LastModifiedById` fields have Defaulted on create and Filter access.
`LastModifiedDate`	dateTime	Date and time when a user last modified this record. `LastModifiedDate` fields have Defaulted on create and Filter access.
`SystemModstamp`	dateTime	Date and time when a user or automated process (such as a trigger) last modified this record. `SystemModstamp` fields have Defaulted on create and Filter access.

If you import data into Salesforce and want to retain the audit field values of the source system, you can set the values for audit fields on the following objects: Account, ArticleVersion, Attachment, CampaignMember, Case, CaseComment, Contact, ContentVersion, Contract, Event, Idea, IdeaComment, Lead, Opportunity, Question, Task, Vote, and custom objects. The only audit field you cannot set a value for is `systemModstamp`.

1. From Setup, enter `User Interface` in the `Quick Find` box, then select **User Interface** under Customize.
2. Under Setup, select **Enable "Set Audit Fields upon Record Creation" and "Update Records with Inactive Owners" User Permissions**.
3. In the permission set or profile that you want to set audit fields with, enable the permission **Set Audit Fields upon Record Creation**.
4. Using the API, create a record and set its audit fields.

Not all standard objects have all audit fields. Check the Enterprise WSDL to verify which audit fields are available for a given object.

Parent Reference Fields

If an object has a relationship to a parent object, two fields are added.

- *`Parent_Name`* contains the object name of the parent. For example, Case has a `Contact` field that contains a reference to the contact parent of the case.
- *`Parent_NameId`* contains the ID of the parent. For example, Case has a `ContactId` field that refers to the contact parent of the case. This field is used in SOQL relationship queries such as the following:

```
SELECT Case.ContactId, Case.Contact.Name FROM Case
```

Even if the object can parent itself, these fields occur. For example, the Campaign object has a `Campaign` and `CampaignId` field for referencing the parent Campaign.

API Field Properties

Fields on objects represent the details of each object and are analogous to columns in a database table. Each field on each object has one or more of the following properties:

Property	Description
Autonumber	The API creates an autonumber.
Create	Value for the field can be specified during create using the API.
Defaulted on create	When created, a default value is supplied if no other value is specified.
Delete	Value for the field can be deleted using the API.
Filter	Can be used as filter criteria in a SOQL query FROM or WHERE clause.
Group	Can be included in the GROUP BY clause of a SOQL query (`true`) or not (`false`). Available in API version 18.0 and later.
idLookup	Can be used to specify a record in an upsert call. The `Id` field of each object has this property and some `Name` fields. There are exceptions, so check for the property in any object you wish to upsert.
Nillable	The field can contain a null value.
Query	The field can be queried with SOQL using the API.
Restricted picklist	A picklist whose values are restricted to those values defined by a Salesforce admin. Users can't load unapproved values through the API.
Retrieve	Value of the field can be retrieved using the API.

Property	Description
Sort	Indicates whether a query can sort on this field (`true`) or not (`false`).
Update	Can be updated using the API.

Custom Fields

Salesforce administrators can define custom fields for standard or custom objects in their organization using the user interface. During creation, the `custom` flag—a Boolean field in the Field object—is set to true. Client applications cannot define custom fields via the API. Usually, client applications do not need to know whether a field is a standard field or a custom field.

Note that all numeric custom fields are handled as type double.

Use the following topics to understand custom fields:

- Objects That Support Custom Fields
- Naming Conventions for Custom Fields
- External ID Attribute on Custom Fields
- Uniqueness for Custom Fields
- Default Values in Custom Fields
- Managed Packages and API Names

Objects That Support Custom Fields

To identify the standard objects that support custom fields, see the table in Relationships Among Custom Objects.

Naming Conventions for Custom Fields

Custom objects have an associated name field that is defined by your Salesforce administrator. Custom fields must have unique names within the same object.

In the API, the names of custom fields are identified by a suffix of two underscores immediately followed by a lowercase "c" character. For example, a custom object labeled "Issue" in the user interface is seen as `Issue__c` in that organization's WSDL. Similarly, a custom field labeled "Hire Date" in the user interface is seen as `Hire_Date__c` in that organization's WSDL. For example, a custom field labeled "Hire Date" in the user interface is seen as `Hire_Date__c` in that organization's WSDL.

Relationships change the naming convention, see Relationships Among Custom Objects for more information.

External ID Attribute on Custom Fields

In the user interface, you can identify one custom field on an object as being an external ID field. The field type must be a text, number, or email field. An external ID contains record IDs from a system outside of Salesforce. You can match against this field during import or integration, or when upserting records.

Uniqueness for Custom Fields

In the user interface, you can specify that a custom field on a custom object contain unique values across all the records of that custom object type. The uniqueness can be either case sensitive or case insensitive. In the API, you can find out if a field is unique by issuing a describe call against the custom object and inspecting two attribute values:

- If the `unique` field is set to `true`, the custom field values must be unique across all records of that custom object type in the organization. A value of `false` means the field can have the same value in different records of that custom object type.
- If the `caseSensitive` field is set to `true`, the uniqueness (if enabled) is case sensitive. For example "ABC" and "abc" are considered two unique values. If the value is `false`, then "ABC" and "abc" are considered the same value.

These values cannot be set or modified using API calls. If a custom field on a custom object has `unique` set to `true`, and you try to insert a duplicate value, a `DUPLICATE_VALUE` exception code is returned.

Default Values in Custom Fields

You can set a default value on a custom field using a formula field:

- The user logged in for API activity must be have the "Customize Application" permission.
- The field must have a data type of currency, date, datetime, int, double, percent, string, textarea, email, phone, or url. You cannot use composite fields like Address, Person, Names, nor Fiscal Periods. Note that you can set a checkbox as checked or unchecked by default using the user interface, but you cannot set it using a formula field.
- Default formulas run on fields, and the results are saved, even if the fields are hidden by field-level security.
- Default values are not used for lead conversion, importing, or merging records.

Managed Packages and API Names

If you have an unmanaged package and a managed package version becomes available, the API names of custom fields, custom objects, and Scontrol objects in the package change. A namespace prefix is added to each component to make it unique: `name__c` becomes `prefix__name__c`. To move from an unmanaged package to a managed package version of the same application, export your data, uninstall the old package, and install the new package. Then review the name changes and import your data with the relevant mapping. For details, see the *ISVforce Guide*.

Custom Objects

In the user interface, you can extend your organization's data by defining custom objects. Custom objects are custom database tables that allow you to store information unique to your organization. For custom objects, the `custom` flag—a Boolean field in the describe results—is `true`.

Client applications with sufficient permissions can invoke API calls on existing custom objects. You can create custom objects with the user interface, or by using the metadata WSDL with a client application or using the Force.com IDE. For more information about using the metadata WSDL to create custom objects, see the *Lightning Platform Metadata API Developer's Guide*. For more information about the Force.com IDE, see *Salesforce Developers*.

Use the following topics to understand how the API interacts with custom objects and fields:

- Naming Conventions for Custom Objects
- Relationships Among Custom Objects
- Audit Fields for Custom Objects
- Sharing and Custom Objects

- Required Fields in Custom Objects
- Managed Packages and API Names

Naming Conventions for Custom Objects

Your Salesforce administrator defines an associated name field for each custom object during setup. Custom objects must have unique names within your organization.

In the API, the names of custom objects include a suffix of two underscores followed by a lowercase "c" . For example, a custom object labeled "Issue" in the Salesforce user interface is `Issue__c` in that organization's WSDL.

Relationships change the naming convention. See Relationships Among Custom Objects for more information.

For a custom object record to appear in the Salesforce user interface, its name field must be populated. If you use the API to create a custom object record that doesn't have a name, the record's ID is used as its name.

Relationships Among Custom Objects

Custom objects relate to other objects and behave just like standard objects, as described in Relationships Among Objects. For example, cascading deletes are supported in custom objects in a Master-Detail relationship.

Custom objects require special treatment so that they can participate in Relationship Queries. For the relationship field name of a custom object, `__r` is appended to the name to create the ID. Also, `__c` is appended to the name to create the parent object pointer. For example, if the relationship field name is MyRel, the name of the ID becomes `MyRelId__r`, the parent object pointer becomes `MyRel__c`, and the relationship name is `MyRel__r`. For more information, see Understanding Relationship Names, Custom Objects, and Custom Fields in the *Salesforce SOQL and SOSL Reference Guide*.

The following table summarizes whether a standard object can be:

- The master in a master-detail relationship with a custom object. Master-detail relationships involve cascading deletes and sharing rules that the parent controls.
- The lookup in a lookup relationship on a custom object. In other words, whether a custom object can have a lookup to the standard object.
- Extended with custom fields.

Standard Object	Master-Detail	Lookup	Custom Fields
Account	Yes	Yes	Yes
Campaign	Yes	Yes	Yes
Case	Yes	Yes	Yes
Contact	Yes	Yes	Yes
Contract	Yes	Yes	Yes
Event	No	No	Yes
Lead	No	No	Yes
Opportunity	Yes	Yes	Yes
Product2	No	Yes	Yes
Solution	Yes	Yes	Yes

Standard Object	Master-Detail	Lookup	Custom Fields
Task	No	No	Yes
User	No	Yes	Yes

Custom objects can also have many-to-many relationships with other custom objects or standard objects. A many-to-many relationship allows each record of one object to be linked to multiple records from another object and vice versa. For more information, see Relationships Among Objects.

Audit Fields for Custom Objects

Custom objects can have the same audit fields as standard objects. When you create a custom object, the four audit fields, `CreatedById`, `CreatedDate`, `LastModifiedById`, and `LastModifiedDate`, are created and populated for the object. These fields are read only. If you import data into Salesforce custom objects and want to retain the audit field values from the source system, you can set the values when you create the custom objects. The only audit field you cannot set a value for is `systemModstamp`. Your organization must be API enabled, and you must have the "Modify All Data" permission.

1. From Setup, enter *User Interface* in the `Quick Find` box, then select **User Interface** under Customize.
2. Under Setup, select **Enable "Set Audit Fields upon Record Creation" and "Update Records with Inactive Owners" User Permissions**.
3. In the permission set or profile that you want to set audit fields with, enable the permission **Set Audit Fields upon Record Creation**.
4. Using the API, create a record and set its audit fields.

Note these restrictions:

- `CreatedDate` can't be greater than the `LastModifiedDate`.
- You can't set any date field to be greater than the current time.

For more information about audit fields, see System Fields.

Sharing and Custom Objects

A sharing rule object is created for each custom object that does not have a master-detail relationship to another object. They are similar to standard object sharing rules, for example AccountOwnerSharingRule. If the user creating the custom object has the "Manage Sharing" permission, a sharing rule object is automatically created for it.

Apex sharing reasons can be retrieved describing the custom object's sharing object, and examining the information in the `rowCause` field. The name of a sharing object for each custom object is of the form: *MyObjectName*__Share, similar to AccountShare and other standard object sharing objects.

Tags and Custom Objects

When a custom object is created, a Tag object related to it is also created. These object names are of the form: *MyObjectName*__Tag, similar to AccountTag and other standard object tag objects.

Required Fields in Custom Objects

In the user interface, you can mark a custom field as required, and this rule is also enforced in the API. Each custom field has a `isRequired` field, with a data type boolean. The default value is `false`. If set to `true`, each request supplies a value (or leaves the current value) to this field. Otherwise, the request fails. When the value is set to `true`, the next time the field is edited or created, the validation applies. If no value is supplied or default value specified, the request fails.

To edit the `isRequired` field, you must log in as a user with the "Customize Application" permission.

If you change a custom object field to be required in an existing client application or integration, be sure that a value is supplied for that field. For example, if the custom picklist field `Education Level` on the contact object is required, supply a default value for that custom field. If a required field does not have a specified or default value, an error with the status code `REQUIRED_FIELD_MISSING` is returned.

Managed Packages and API Names

If you have an unmanaged package and a managed package version becomes available, the API names of custom fields, custom objects, and Scontrol objects in the package change. A namespace prefix is added to each component to make it unique: `name__c` becomes `prefix__name__c`. To move from an unmanaged package to a managed package version of the same application, export your data, uninstall the old package, and install the new package. Then review the name changes and import your data with the relevant mapping. For details, see the *ISVforce Guide*.

External Objects

External objects are supported in API version 32.0 and later. External objects are similar to custom objects, but external object record data is stored outside your Salesforce organization. For example, perhaps you have data that's stored on premises in an enterprise resource planning (ERP) system. Instead of copying the data into your org, you can use external objects to access the data in real time via web service callouts.

External objects are available with Salesforce Connect and Files Connect. Each external object is associated with an external data source definition in your Salesforce organization.

An external data source specifies how to access an external system. Salesforce Connect uses external data sources to access data that's stored outside your Salesforce organization. Files Connect uses external data sources to access third-party content systems. External data sources have associated external objects, which your users and the Lightning Platform use to interact with the external data and content.

By accessing record data on demand, external objects always reflect the current state of the external data. You don't have to manage a copy of that data in Salesforce, so you're not wasting storage and resources keeping data in sync.

External objects are best used when you have a large amount of data that you can't or don't want to store in your Salesforce organization, and you need to use only a small amount of data at any one time.

See "Define External Objects" in the Salesforce Help for how to create and modify external objects.

Naming Conventions for External Objects

Object names must be unique across all standard, custom, and external objects in the org.

In the API, the names of external objects are identified by a suffix of two underscores immediately followed by a lowercase "x" character. For example, an external object named "ExtraLogInfo" in the Salesforce user interface is seen as `ExtraLogInfo__x` in that organization's WSDL.

We recommend that you make object labels unique across all standard, custom, and external objects in the org.

External Object Relationships

External objects support standard lookup relationships, which use the 18-character Salesforce record IDs to associate related records with each other. However, data that's stored outside your Salesforce org often doesn't contain those record IDs. Therefore, two special types of lookup relationships are available for external objects: external lookups and indirect lookups. See "External Object Relationships" in the Salesforce Help for details.

Feature Support for External Objects

Most of the Salesforce features that support custom objects also support external objects. However, there are exceptions, and some features have special limitations and considerations for external objects. See the following topics in the Salesforce Help.

- Salesforce Compatibility Considerations for Salesforce Connect—All Adapters
- Considerations for Salesforce Connect—All Adapters

Salesforce Connect Adapters

Salesforce Connect uses a protocol-specific adapter to connect to an external system and access its data. This table describes the available adapters.

Salesforce Connect Adapter	Description	Where to Find Callout Limits
Cross-org	Uses the Lightning Platform REST API to access data that's stored in other Salesforce orgs.	No callout limits. However, each callout counts toward the API usage limits of the provider org. *Salesforce Help*: API Usage Considerations for Salesforce Connect—Cross-Org Adapter *Salesforce Limits Quick Reference Guide*: API Request Limits and Allocations
OData 2.0 OData 4.0	Uses Open Data Protocol to access data that's stored outside Salesforce. The external data must be exposed via OData producers.	*Salesforce Help*: General Limits for Salesforce Connect—OData 2.0 and 4.0 Adapters
Custom adapter created via Apex	You use the Apex Connector Framework to develop your own custom adapter when the other available adapters aren't suitable for your needs. A custom adapter can obtain data from anywhere. For example, some data can be retrieved from anywhere in the Internet via callouts, while other data can be manipulated or even generated programmatically.	*Apex Developer Guide*: Callout Limits and Limitations *Apex Developer Guide*: Execution Governors and Limits

Files Connect Adapters

Several Files Connect adapters are also available:

- Google Drive

- Box
- SharePoint Online
- OneDrive for Business

For more information about setting up Files Connect adapters see, The Files Connect Process.

For more information about Salesforce Connect, see “Salesforce Connect” in the Salesforce Help.

For details on using the Apex Connector Framework, see “Salesforce Connect” and “DataSource Namespace” in the *Apex Code Developer's Guide*.

Big Objects

Big objects let you store and manage massive amounts of data on the Salesforce platform.

Big objects capture data for use within Lightning Platform and are accessible via a standard set of APIs to clients and external systems. What differentiates big objects is that they have been built to provide consistent performance whether there is 1 million records, 100 million, or even 1 billion records. This scale is what gives big objects their power and what defines the features that are provided.

There are two types of big objects.

- **Standard big objects** — Objects defined by Salesforce and included in Salesforce products. `FieldHistoryArchive` is a standard big object that stores data as part of the Field Audit Trail product.
- **Custom big objects** — New objects that you create to store information unique to your org. Custom big objects extend the functionality that Lightning Platform provides. For example, if you're building an app to track product inventory, create a custom big object called `HistoricalInventoryLevels` to track historical inventory levels for analysis and future optimizations.

EDITIONS

Available in: both Salesforce Classic and Lightning Experience

Available in: **Enterprise**, **Performance**, **Unlimited**, and **Developer** Editions for up to 1 million records

Additional record capacity and Async SOQL query available as an add-on license.

Custom Big Object Use Cases

- **360° view of the customer** — Extend your Salesforce data model to include detailed information from loyalty programs, e-commerce transactions, billing and provisioning information, and more.
- **Auditing and tracking** — Track and maintain a long-term view of your user's usage of Salesforce or your customer's usage of your products for analysis or compliance purposes
- **Historical archive** — Maintain access to historical data for analysis or compliance purposes while optimizing the performance of your core CRM or Lightning Platform applications.

Considerations

- Big objects support only object and field permissions.
- You must use the Metadata API to define a big object or add a field to a custom big object.
- SOQL relationship queries are based on a lookup field from a big object to a standard or custom object in the select field list (not in filters or subqueries).
- Big objects support custom Lightning and Visualforce components rather than standard UI elements home pages, detail pages, list views, and so on).

- You can create up to 100 big object per org. The limits for big object fields are similar to the limits on custom objects, and depend on your org's license type.
- Big objects don't support transactions including both big objects, standard object and custom objects.
- To support the scale of data in a big object, features like triggers, flows, processes, and the Salesforce app are not available.
- You can't use Salesforce Connect external objects to access big objects in another org.

Define and Deploy Custom Big Objects
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EDITIONS

Available in: both Salesforce Classic and Lightning Experience

Available in: **Enterprise**, **Performance**, **Unlimited**, and **Developer** Editions for up to 1 million records

Additional record capacity and Async SOQL query available as an add-on license.

Define a Custom Big Object

Define a custom big object through the Metadata API by creating XML files that contain its definition, fields, and index.

- `object` files—Create a file for each object to define the custom big object, its fields, and its index.
- `permissionset/profile` files—Create a permissionSet or profile file to specify permissions for each field. These files are not required, but is required to grant access to users. By default, access to a custom big object is restricted.
- `package` file—Create a file for the metadata package to specify the contents.

Note: While custom big objects use the "CustomObject" metadata type, some parameters are unique to big objects and others are not applicable. The specific metadata parameters that apply to big objects are outlined in this document.

Naming Conventions for Custom Big Objects

Object names must be unique across all standard objects, custom objects, external objects, and big objects in the org. In the API, the names of custom big objects have a suffix of two underscores immediately followed by a lowercase "b" (__b). For example, an external object named "HistoricalInventoryLevels" is seen as HistoricalInventoryLevels__b in that organization's WSDL. We recommend that you make object labels unique across all objects in the org - standard, custom, external and big objects.

CustomObject Metadata

Field Name	Field Type	Description
`deploymentStatus`	DeploymentStatus (enumeration of type string)	Custom big object's deployment status (`Deployed` for all big objects)
`fields`	CustomField[]	Definition of a field in the object
`fullName`	string	Unique API name of a field

Field Name	Field Type	Description
`indexes`	Index[]	Definition of the index
`label`	string	Object's name as displayed in the UI
`pluralLabel`	string	Field plural name as displayed in the UI

CustomField Metadata

Field Name	Field Type	Description
`fullName`	string	Unique API name of a field.
`label`	string	Field name as displayed in the UI.
`length`	int	Length of a field in characters (Text and LongTextArea fields only).
`pluralLabel`	string	Field plural name as displayed in the UI.
`precision`	int	Number of digits for a number value. For example, the number 256.99 has a precision of 5 (number fields only).
`referenceTo`	string	Related object type for a lookup field (lookup fields only).
`relationshipName`	string	Name of a relationship as displayed in the UI (lookup fields only).
`required`	boolean	Specifies whether the field is required. All fields that are part of the index must be marked as required.
`scale`	int	Number of digits to the right of the decimal point for a number value. For example, the number 256.99 has a scale of 2 (number fields only).
`type`	FieldType	Field type. Supports DateTime, Lookup, Number, Text, and LongTextArea.

Note: Uniqueness is not supported for custom fields.

Index Metadata

Represents an index defined within a custom big object. Use this metadata type to define the composite primary key (index) for a custom big object.

Field Name	Field Type	Description
`fields`	IndexField[]	The definition of the fields in the index.

IndexField Metadata

Defines which fields make up the index, their order, and sort direction. The order in which the fields are defined determines the order fields are listed in the index.

Field Name	Field Type	Description
`name`	string	Required. The API name for the field that's part of the index. This value must match the value of the `fullName` value for the field in the fields section and be marked as required.
`sortDirection`	string	Required. The sort direction of the field in the index. Valid values are `ASC` for ascending order and `DESC` for descending order.

Example: Create Metadata Files for Deployment

The following XML excerpts create metadata files that you can deploy as a package. Each Customer Interaction object represents customer data from a single session in an online video game. The index is defined by the `Account__c`, `Game_Platform__c`, and `Play_Date__c` fields, and a lookup field relates the Customer Interactions to the Account object.

Customer_Interaction__b.object

```
<?xml version="1.0" encoding="UTF-8"?>
<CustomObject xmlns="http://soap.sforce.com/2006/04/metadata">
    <deploymentStatus>Deployed</deploymentStatus>

    <fields>
        <fullName>In_Game_Purchase__c</fullName>
        <label>In-Game Purchase</label>
        <length>16</length>
        <required>false</required>
        <type>Text</type>
        <unique>false</unique>
    </fields>

    <fields>
        <fullName>Level_Achieved__c</fullName>
        <label>Level Achieved</label>
        <length>16</length>
        <required>false</required>
        <type>Text</type>
        <unique>false</unique>
    </fields>

    <fields>
        <fullName>Lives_This_Game__c</fullName>
        <label>Lives Used This Game</label>
        <length>16</length>
        <required>false</required>
        <type>Text</type>
        <unique>false</unique>
    </fields>

    <fields>
        <fullName>Game_Platform__c</fullName>
        <label>Platform</label>
        <length>16</length>
        <required>true</required>
        <type>Text</type>
```

```
        <unique>false</unique>
    </fields>

     <fields>
        <fullName>Score_This_Game__c</fullName>
        <label>Score This Game</label>
        <length>16</length>
        <required>false</required>
        <type>Text</type>
        <unique>false</unique>
    </fields>

    <fields>
        <fullName>Account__c</fullName>
        <label>User Account</label>
        <referenceTo>Account</referenceTo>
        <relationshipName>Game_User_Account</relationshipName>
        <required>true</required>
        <type>Lookup</type>
    </fields>

    <fields>
        <fullName>Play_Date__c</fullName>
        <label>Date of Play</label>
        <required>true</required>
        <type>DateTime</type>
    </fields>

    <fields>
        <fullName>Play_Duration__c</fullName>
        <label>Play Duration</label>
        <required>false</required>
        <type>Number</type>
        <scale>2</scale>
        <precision>18</precision>
    </fields>

    <indexes>
        <fullName>CustomerInteractionsIndex</fullName>
        <label>Customer Interactions Index</label>
        <fields>
            <name>Account__c</name>
            <sortDirection>DESC</sortDirection>
        </fields>
        <fields>
            <name>Game_Platform__c</name>
            <sortDirection>ASC</sortDirection>
        </fields>
        <fields>
        <name>Play_Date__c</name>
        <sortDirection>DESC</sortDirection>
        </fields>
    </indexes>
```

```
    <label>Customer Interaction</label>
    <pluralLabel>Customer Interactions</pluralLabel>
</CustomObject>
```

package.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Package xmlns="http://soap.sforce.com/2006/04/metadata">
    <types>
        <members>*</members>
        <name>CustomObject</name>
    </types>
    <types>
        <members>*</members>
        <name>PermissionSet</name>
    </types>
    <version>41.0</version>
</Package>
```

Customer_Interaction_BigObject.permissionset

```
<?xml version="1.0" encoding="UTF-8"?>
<PermissionSet xmlns="http://soap.sforce.com/2006/04/metadata">

    <label>Customer Interaction Permission Set</label>

    <fieldPermissions>
        <editable>true</editable>
        <field>Customer_Interaction__b.In_Game_Purchase__c</field>
        <readable>true</readable>
    </fieldPermissions>

    <fieldPermissions>
        <editable>true</editable>
        <field>Customer_Interaction__b.Level_Achieved__c</field>
        <readable>true</readable>
    </fieldPermissions>

    <fieldPermissions>
        <editable>true</editable>
        <field>Customer_Interaction__b.Lives_This_Game__c</field>
        <readable>true</readable>
    </fieldPermissions>


    <fieldPermissions>
        <editable>true</editable>
        <field>Customer_Interaction__b.Play_Duration__c</field>
        <readable>true</readable>
    </fieldPermissions>

    <fieldPermissions>
        <editable>true</editable>
        <field>Customer_Interaction__b.Score_This_Game__c</field>
        <readable>true</readable>
```

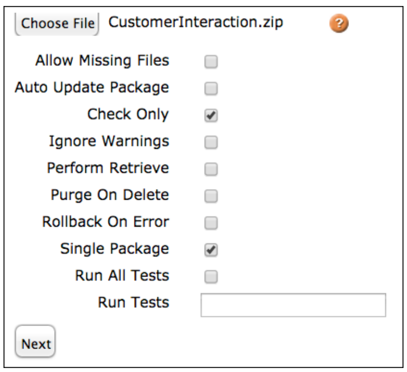
```
    </fieldPermissions>

</PermissionSet>
```

Deploy Custom Big Objects as a Metadata Package

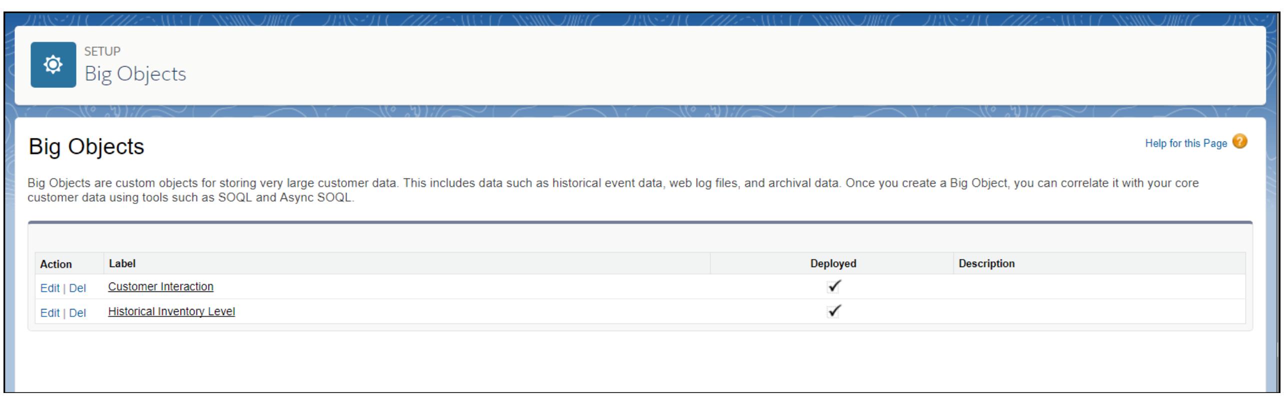
Use the Metadata API to deploy a custom big object. You can use several different tools, like Workbench or the Ant Migration Tool, to deploy. When building a package to deploy a custom big object, make sure the `object` file is in a folder called “objects” and the `permissionset` file is in a folder called “permissionsets”. `package.xml` must be in the root directory, and not in a folder within the package.

Note: You can run a test deployment by using the `checkOnly` deployment option. In Workbench, select the **Check Only** option on the Deploy screen.

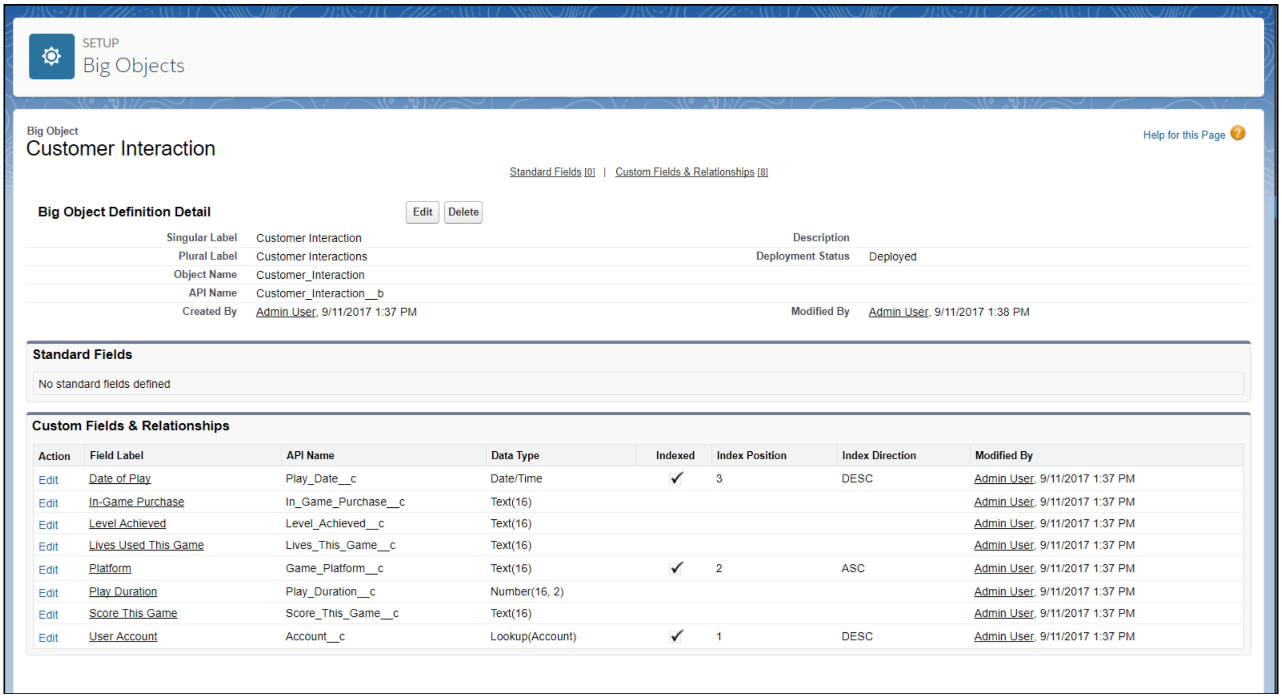


View a Custom Big Object in Setup

After you’ve deployed your custom big object, you can view it by logging in to your organization and, from Setup, entering *`Big Objects`* in the `Quick Find` box, then selecting **Big Objects**.



Click the name of a big object, to see its fields and relationships.



Relationships Among Objects

Relationships associate objects with other objects. For example, a relationship can link a custom object to standard object in a related list, such as linking a custom object called Bugs to cases to track product defects associated with customer cases. To view the parent and child relationships among standard objects, see the ERD diagrams in Data Model.

Note:

- You can use parent-child relationships in SOQL queries. For more information, see Relationship Queries in the *Salesforce SOQL and SOSL Reference Guide*.
- Only lookup, external lookup, and indirect lookup relationships are available for external objects. No other relationship types are supported. See "External Object Relationships" in the Salesforce Help.

You can define different types of relationships by creating custom relationship fields on an object. The differences between relationship types include how they handle data deletion, record ownership, security, and required fields in page layouts:

- **Master-Detail (1:n)** — A parent-child relationship in which the master object controls certain behaviors of the detail object:
  - When a record of the master object is deleted, its related detail records are also deleted.
  - The `Owner` field on the detail object is not available and is automatically set to the owner of its associated master record. Custom objects on the detail side of a master-detail relationship cannot have sharing rules, manual sharing, or queues, as these require the `Owner` field.
  - The detail record inherits the sharing and security settings of its master record.
  - The master-detail relationship field is required on the page layout of the detail record.
  - By default, records can't be reparented in master-detail relationships. Administrators can, however, allow child records in master-detail relationships on custom objects to be reparented to different parent records by selecting the `Allow reparenting` option in the master-detail relationship definition.

You can define master-detail relationships between custom objects or between a custom object and a standard object. However, the standard object cannot be on the detail side of a relationship with a custom object. In addition, you cannot create a master-detail relationship in which the User or Lead objects are the master.

When you define a master-detail relationship, the custom object on which you are working is the detail side. Its data can appear as a custom related list on page layouts for the other object.

- **Many-to-many** — You can use master-detail relationships to model *many-to-many* relationships between any two objects. A many-to-many relationship allows each record of one object to be linked to multiple records from another object and vice versa. For example, you create a custom object called “Bug” that relates to the standard case object such that a bug could be related to multiple cases and a case could also be related to multiple bugs. To create a many-to-many relationship, simply create a custom junction object with two master-detail relationship fields, each linking to the objects you want to relate. See the Salesforce online help for details.

  Custom objects with two master-detail relationships are supported in API version 11 and later.

  Starting in API version 34.0, the `JunctionIdList` field type lets you manipulate the many-to-many relationship of an entity directly. You no longer need to manipulate underlying junction entity records. `JunctionIdList` fields can be queried and updated like any other field on the entity. Queries or updates to `JunctionIdList` fields act as queries or updates to the underlying junction entity records. Fields of type `JunctionIdList` appear in the WSDL as an unbounded array of type ID. `JunctionIdList` is implemented in the `Task` and `Event` objects.

- **Lookup (1:n)** — This type of relationship links two objects together, but has no effect on deletion or security. Unlike master-detail fields, lookup fields are not automatically required. When you define a lookup relationship, data from one object can appear as a custom related list on page layouts for the other object. See the Salesforce online help for details.

To create relationships, use the user interface or Salesforce Metadata API.

Factors that Affect Data Access

When using the API, the following factors affect access to your organization’s data:

Access

Your organization must be enabled for API access.

Objects may not be available until you contact Salesforce and request access. For example Territory is visible only if territory management has been enabled in the application. Such requirements are in the “Usage” section for each object.

Sometimes a feature must be used once before objects related to it can be accessed with the API. For example, the `recordTypeIds` is available only after at least one record type has been created for your organization in the user interface.

To investigate data access issues, you can start by inspecting the WSDL:

- **Enterprise WSDL**: The generated enterprise WSDL file contains all of the objects that are available to your organization. By using the API, a client application can access objects that are defined in your enterprise WSDL file.
- **Partner WSDL**: When using the generated partner WSDL file, a client application can access objects that are returned in the `describeGlobal()` call.

Object-Level and Field-Level Security

The API respects object-level and field-level security configured in the user interface. You can access objects and fields only if the logged-in user's permissions and access settings allow such access. For example, fields that are not visible to a given user are not returned in a `query()` or `describeSObjects()` call. Similarly, read-only fields can't be updated.

User Permissions

A user attempting to access the API must have the permission “API Enabled” selected. It’s selected by default.

Your client application logs in as a user called a *logged-in* user. The logged-in user's permissions grant or deny access to specific objects and fields in your organization:

- **Read**—Users can only view objects of this type.
- **Create**—Users can read and create objects of this type.
- **Edit**—Users can read and update objects of this type.
- **Delete**—Users can read, edit, and delete objects of this type.

User permissions do not affect field-level security. If field-level security specifies that a field is hidden, users with "Read" on that object can view only those fields that are not hidden on the record. In addition, users with "Read" on an object can view only those records that sharing settings allow. The one exception is the "Edit Read Only Fields" permission, which gives users the ability to edit fields marked as read only via field-level security.

Sharing

For most API calls, data that is outside of the logged-in user's sharing model is not returned. Users are granted the most permissive access that is available to them, either through organization-wide defaults or manual record sharing, just as in the application.

User Permissions that Override Sharing

- **View All**—Users can view all records associated with this object, regardless of sharing settings.
- **Modify All**—Users can read, edit, delete, transfer, and approve all records associated with this object, regardless of sharing settings.
- **Modify All Data**—users can read, edit, delete, transfer, and approve all records regardless of sharing settings. This permission is not an object-level permission, unlike "View All" and "Modify All."

To protect the security of your data, give the logged-in user only the permissions needed to successfully execute all the calls made by the application. For large integration applications, "Modify All Data" may speed up call response times. If you are loading a large number of records, use the Bulk API instead.

Related Objects

Some objects depend on other objects for permission. For example, AccountTeamMember follows sharing on the associated permission-assigned object such as the Account record. Similarly, a Partner depends on the permissions in the associated .

Ownership changes to a record do not automatically cascade to related records. For example, if ownership changes for a given Account, ownership does not then automatically change for any Contract associated with that Account—each ownership change must be made separately and explicitly by the client application.

Object Properties

To create an object with the `create()` call, the object's `createable` attribute must be set to `true`. To determine what operations are allowed on a given object, your client application can invoke the `describeSObjects()` call on the object and inspect the properties in the DescribeSObjectResult.

Note: `replicatable` allows`getUpdated()` and `getDeleted()` calls.

Page Layouts and Record Types

Requirements defined in the Salesforce user interface for page layouts and record types are not enforced by the API:

- Page layouts can specify whether a given field is required, but the API does not enforce such layout-specific field restrictions or validations in `create()` and `update()` calls. It's up to the client application to enforce any such constraints, if applicable.
- Record types can control which picklist values can be chosen in a given record and which page layouts users with different profiles can see. However, such rules that are configured and enforced in the user interface are not enforced in the API. For example, the API does not validate whether the value in a picklist field is allowed per any record type restrictions associated with the profile of the logged-in user. Similarly, the API does not prevent a client application from adding data to a particular field simply because that field does not appear in a layout associated with the profile of the logged-in user.

Referential Integrity

To ensure referential integrity, the API forces or prevents certain behaviors:

- ID values in reference fields are validated in `create()` and `update()` calls.
- If a client application deletes a record, then its children are automatically deleted as part of the call if the `cascadeDelete` property on ChildRelationship for that child has a value of `true`. For example, if a client application deletes an Opportunity, then any associated OpportunityLineItem records are also deleted. However, if an OpportunityLineItem is not deletable or is currently being used, then deletion of the parent Opportunity fails. For example, if a client application deletes an Invoice_Statement, then any associated Line_Item records are also deleted. However, if a Line_Item is not deletable or is currently being used, then deletion of the parent Invoice_Statement fails. Use DescribeSObjectResult to view the ChildRelationship value if you want to be sure what will be deleted.

  There are certain exceptions that prevent the execution of a `cascadeDelete`. For example, you can't delete an account if it has associated cases, if it has related opportunities that are owned by other users, or if associated contacts are enabled for the Customer Portal. In addition, if you attempt to delete an account that has closed/won opportunities owned by you or has active contracts, then the delete request for that record will fail.

REFERENCE

CHAPTER 2 Standard Objects

This section provides a list of standard objects and their standard fields. Some fields may not be listed for some objects.

To see the system fields for each object, see System Fields.

To verify the complete list of fields for an object, you can use a describe call from the API, or inspect with an appropriate tool, for example, inspecting the WSDL or using a schema viewer.

AcceptedEventRelation

Represents invitees with the status `Accepted` for a given event.

Account

Represents an individual account, which is an organization or person involved with your business (such as customers, competitors, and partners).

AccountBrand

Represents the brand details of a Partner Account. This object is available in API version 43.0 and later.

AccountBrandShare

Represents a sharing entry on an account brand record. This object is available in API version 43.0 and later.

AccountContactRelation

Represents a relationship between a contact and one or more accounts.

AccountCleanInfo

Stores the metadata Data.com Clean uses to determine an account record's clean status. AccountCleanInfo helps you automate the cleaning or related processing of account records.

AccountContactRole

Represents the role that a Contact plays on an Account.

AccountFeed

Represents a single feed item on an account record detail page. This object is available in API version 18.0 and later.

AccountHistory

Represents the history of changes to the values in the fields of an account. This object is available in versions 11.0 and later.

AccountOwnerSharingRule

Represents the rules for sharing an account with a User other than the owner.

AccountPartner

This read-only object represents a partner relationship between two Account objects. It is automatically created when a Partner object is created for a partner relationship between two accounts.

AccountShare

Represents a sharing entry on an Account.

AccountTag

Associates a word or short phrase with an Account.

AccountTeamMember

Represents a User who is a member of an Account team.

AccountTerritoryAssignmentRule

An account assignment rule that assigns accounts to territories based on account fields. Only available if territory management has been enabled for your organization.

AccountTerritoryAssignmentRuleItem

A row of selection criteria for an AccountTerritoryAssignmentRule object. Only available if territory management has been enabled for your organization.

AccountTerritorySharingRule

Represents the rules for sharing an Account within a Territory.

ActionLinkGroupTemplate

Action link templates let you reuse action link definitions and package and distribute action links. An action link is a button on a feed element. Clicking on an action link can take a user to another Web page, initiate a file download, or invoke an API call to an external server or Salesforce. Use action links to integrate Salesforce and third-party services into the feed. Every action link belongs to an action link group and action links within the group are mutually exclusive. This object is available in API version 33.0 and later.

ActionLinkTemplate

Action link templates let you reuse action link definitions and package and distribute action links. An action link is a button on a feed element. Clicking an action link can take a user to another Web page, initiate a file download, or invoke an API call to an external server or Salesforce. Use action links to integrate Salesforce and third-party services into the feed. This object is available in API version 33.0 and later.

ActiveScratchOrg

Represents an active scratch org. This object is available in API version 41.0 and later.

ActivityHistory

This read-only object is displayed in a related list of closed activities—past events and closed tasks—related to an object. It includes activities for all contacts related to the object. ActivityHistory fields for phone calls are only available if your organization uses Salesforce CRM Call Center.

AdditionalNumber

Represents an optional additional number for a call center. This additional number is visible in the call center's phone directory.

Address

Represents a mailing, billing, or home address.

AgentWork

Represents a work assignment that's been routed to an agent. This object is available in API version 32.0 and later.

AllowedEmailDomain

Represents an allowed email domain for users in your organization. You can define a whitelist to restrict the email domains allowed in a user's `Email` field. This object is available in API version 29.0 and later.

Announcement

Represents a Chatter group announcement. This object is available in API version 30.0 and later.

ApexClass

Represents an Apex class.

ApexComponent

Represents a definition for a custom component that can be used in a Visualforce page alongside standard components such as `<apex:relatedList>` and `<apex:dataTable>`.

ApexLog

Represents a debug log containing information about a transaction, including information about Apex, Visualforce, and workflow and validation rules. This object is available in API version 19.0 and later.

ApexPage

Represents a single Visualforce page.

ApexTestQueueItem

Represents a single Apex class in the Apex job queue. This object is available in API version 23.0 and later.

ApexTestResult

Represents the result of an Apex test method execution. This object is available in API version 23.0 and later.

ApexTestResultLimits

Captures the Apex test limits used for a particular test method execution. An instance of this object is associated with each ApexTestResult record. This object is available in API version 37.0 and later.

ApexTestRunResult

Contains summary information about all the test methods that were run in a particular Apex job. This object is available in API version 37.0 and later.

ApexTestSuite

Represents a suite of Apex classes to include in a test run. A TestSuiteMembership object associates each class with the suite. This object is available in API version 36.0 and later.

ApexTrigger

Represents an Apex trigger.

AppDefinition

Represents the metadata of an app and its navigation items. Metadata is returned only for apps that the current user can access. This object is available in API version 43.0 and later.

AppExtension

Represents a connection between the Field Service Lightning mobile app and another app, typically for passing record data to the Salesforce app or other apps. This object is available in API version 41.0 and later.

AppMenuItem

Represents the organization’s default settings for items in the app menu or App Launcher.

Approval

Represents an approval request for a Contract.

AppTabMember

Represents the list of tabs for each of the available apps. This object is available in API version 43.0 and later.

Article Type__DataCategorySelection

A data category selection represents a data category that classifies an article. This object is available in API version 19.0 and later.

Article Type__Feed

Represents a single feed item in the feed displayed on the detail page for an article. This object is available in API version 20.0 and later.

Asset

Represents an item of commercial value, such as a product sold by your company or a competitor, that a customer has purchased and installed.

AssetFeed

Represents a single feed item in the feed displayed on the detail page for an asset record.

AssetOwnerSharingRule

Represents the rules for sharing an Asset with users other than the owner. This object is available in API version 33.0 and later.

AssetRelationship

Represents a non-hierarchical relationship between assets due to replacement, upgrade, or other circumstances.

AssetShare

Represents a sharing entry on an Asset. This object is available in API version 33.0 and later.

AssetTag

Associates a word or short phrase with an Asset.

AssetTokenEvent

Represents an event associated with an asset token, such as token issuance and registration of a connected device as an Asset. This object is available in API version 39.0 and later.

AssignedResource

Represents a service resource who is assigned to a service appointment. Assigned resources appear in the Assigned Resources related list on service appointments. This object is available in API version 38.0 and later.

AssignmentRule

Represents an assignment rule associated with a Case or Lead.

AssociatedLocation

Represents a link between an account and a location in Field Service Lightning. You can associate multiple accounts with one location. For example, a shopping center location may have multiple customer accounts.

AsyncApexJob

Represents an individual Apex sharing recalculation job, a batch Apex job, a method with the `future` annotation, or a job that implements `Queueable`.

AttachedContentDocument

This read-only object contains all `ContentDocument` objects associated with an object.

AttachedContentNote

This read-only object contains all ContentNote objects associated with an object. This object is available in API version 35.0 and later.

Attachment

Represents a file that a User has uploaded and attached to a parent object.

AuraDefinition

Represents a Lightning definition, such as component markup, a client-side controller, or an event. This object is available in API version 32.0 and later.

AuraDefinitionBundle

Represents a Lightning definition bundle, such as a component or application bundle. A bundle contains a Lightning definition and all its related resources. This object is available in API version 32.0 and later.

AuthConfig

Represents authentication options for a communityor custom domain that was created by using My Domain. This object is available in API version 32.0 and later.

AuthConfigProviders

Represents an authentication provider that's configured in an organization. This object is a child of the AuthConfig object. This object is available in API version 32.0 and later.

AuthProvider

Represents an authentication provider in your org.

AuthSession

The AuthSession object represents an individual user session in your organization. This object is available in versions 29.0 and later.

BackgroundOperation

Represents a background operation in an asynchronous job queue. This object is available in API version 35.0 and later.

BackgroundOperationResult

Stores error messages generated when running Async SOQL queries or importing data into big objects using Bulk API. This is a big object, available in API version 37.0 and later.

Bookmark

Represents a link between opportunities that share common information.

BrandTemplate

Letterhead for HTML EmailTemplate.

BusinessHours

Specifies the business hours of your support organization. Escalation rules are run only during these hours.

BusinessProcess

Represents a business process.

CallCenter

Represents a call center, which is a logical representation of a single computer-telephony integration (CTI) system instance in an organization.

Campaign

Represents and tracks a marketing campaign, such as a direct mail promotion, webinar, or trade show.

CampaignFeed

Represents a single feed item in the feed on a campaign record detail page. This object is available in API version 18.0 and later.

CampaignHistory

Represents the history of changes to the values in the fields of a campaign. This object is available in versions 40.0 and later.

CampaignInfluence

Represents the association between a campaign and an opportunity in Customizable Campaign Influence. This object is available in API version 37.0 and later.

CampaignInfluenceModel

This read-only object represents a campaign influence model in Customizable Campaign Influence. Use campaign influence models to group `CampaignInfluence` records created by a specific set of triggers and workflows that you define. The Primary Campaign Source influence model is the default model. This object is available in API version 37.0 and later.

CampaignMember

Represents the association between a campaign and either a lead or a contact.

CampaignMemberStatus

One or more member status values defined for a campaign.

CampaignOwnerSharingRule

Represents the rules for sharing a campaign with User records other than the owner or anyone above the owner in the role hierarchy.

CampaignShare

Represents a sharing entry on a Campaign.

CampaignTag

Associates a word or short phrase with a Campaign.

Case

Represents a case, which is a customer issue or problem.

CaseArticle

Represents the association between a Case and a KnowledgeArticle. This object is available in API version 20.0 and later.

CaseComment

Represents a comment that provides additional information about the associated Case.

CaseContactRole

Represents the role that a given Contact plays on a Case.

CaseFeed

Represents a single feed item in the feed displayed on the detail page for a case record. A case feed shows recent changes to a case record for any fields that are tracked in feeds, and comments and posts about the record. It is a useful way to stay up-to-date with changes to cases. This object is available in API version 18.0 and later.

CaseHistory

Represents historical information about changes that have been made to the associated Case.

CaseMilestone

Represents a milestone (required step in a customer support process) on a Case. This object is available in API version 18.0 and later.

CaseOwnerSharingRule

Represents the rules for sharing a case with users other than the owner.

CaseShare

Represents a sharing entry on a Case.

CaseSolution

Represents the association between a Case and a Solution.

CaseStatus

Represents the status of a Case, such as New, On Hold, or In Process.

CaseTag

Associates a word or short phrase with a Case

CaseTeamMember

Represents a case team member, who works with a team of other users to help resolve a case.

CaseTeamRole

Represents a case team role. Every case team member has a role on a case, such as “Customer Contact” or “Case Manager.”

CaseTeamTemplate

Represents a predefined case team, which is a group of users that helps resolve a case.

CaseTeamTemplateMember

Represents a member on a predefined case team, which is a group of users that helps resolve cases.

CaseTeamTemplateRecord

The CaseTeamTemplateRecord object is a linking object between the Case and CaseTeamTemplate objects. To assign a predefined case team to a case (customer inquiry), create a CaseTeamTemplateRecord record and point the `ParentId` to the case and the `TeamTemplateId` to the predefined case team.

CategoryData

Represents a logical grouping of Solution records.

CategoryNode

Represents a tree of Solution categories.

CategoryNodeLocalization

When the Translation Workbench is enabled for your organization, the CategoryNodeLocalization object provides the translation of the label of a solution category.

ChannelProgram

Represents a channel program that vendors use to market and sell their products through channel partners. This object is available in API version 41.0 and later.

ChannelProgramFeed

Represents a single feed item on a channel program feed. This object is available in API version 41.0 and later.

ChannelProgramHistory

Represents the history of changes to the values in the fields of a channel program object. Access is read-only. This object is available in API version 41.0 and later.

ChannelProgramLevel

Represents a level, based on member experience, in a channel program. This object is available in API version 41.0 and later.

ChannelProgramLevelFeed

Represents a single feed item on a channel program level feed. This object is available in API version 41.0 and later.

ChannelProgramLevelHistory

Represents the history of changes to the values in the fields of a channel program level object. Access is read-only. This object is available in API version 41.0 and later.

ChannelProgramLevelShare

Represents a sharing entry on a channel program level record. This object is available in API version 43.0 and later.

ChannelProgramMember

Represents a partner who is a member of a channel program. This object is available in API version 41.0 and later.

ChannelProgramMemberShare

Represents a sharing entry on a channel program member record. This object is available in API version 43.0 and later.

ChannelProgramOwnerSharingRule

Represents a rule for sharing a channel program object with users other than the owner. This object is available in API version 41.0 and later.

ChannelProgramShare

Represents a sharing entry on a channel program record. This object is available in API version 41.0 and later.

ChatterActivity

ChatterActivity represents the number of posts and comments made by a user and the number of comments and likes on posts and comments received by the same user. This object is available in API version 23.0 and later.

ChatterAnswersActivity

Represents the reputation of a User in Chatter Answers communities. This object is available in API version 25.0 and later.

ChatterAnswersReputationLevel

Represents a reputation level within a Chatter Answers zone. This object is available in API version 26.0 and later.

ChatterConversation

Represents a private conversation in Chatter, consisting of messages that conversation members have sent or received. This object is available in API version 23.0 and later.

ChatterConversationMember

Represents a member of a private conversation in Chatter. A member has either sent messages to or received messages from other conversation participants. This object is available in API version 23.0 and later.

ChatterMessage

Represents a message sent as part of a private conversation in Chatter. This object is available in API version 23.0 and later.

ClientBrowser

Represents a cookie added to the browser upon login, and also includes information about the browser application where the cookie was inserted. This object is available in version 28.0 and later.

CollaborationGroup

Represents a Chatter group. This object is available in API version 19.0 and later.

CollaborationGroupFeed

Represents a single feed item on a Chatter group feed. A group feed shows posts and comments about the group. This object is available in API version 19.0 and later.

CollaborationGroupMember

Represents a member of a Chatter group. This object is available in API version 19.0 and later.

CollaborationGroupMemberRequest

Represents a request to join a private Chatter group. This object is available in API version 21.0 and later.

CollaborationGroupRecord

Represents the records associated with Chatter groups.

CollaborationInvitation

Represents an invitation to join Chatter, either directly or through a group. This object is available in API version 21.0 and later.

ColorDefinition

Represents the color-related metadata for a custom tab. This object is available in API version 43.0 and later.

CombinedAttachment

This read-only object contains all notes, attachments, Google Docs, documents uploaded to libraries in Salesforce CRM Content, and files added to Chatter that are associated with a record.

Community (Zone)

Represents a zone that contains Idea or Question objects.

ConnectedApplication

Represents a connected app and its details; all fields are read-only.

Contact

Represents a contact, which is a person associated with an account.

ContactCleanInfo

Stores the metadata Data.com Clean uses to determine a contact record's clean status. Helps you automate the cleaning or related processing of contact records. ContactCleanInfo includes a number of bit vector fields.

ContactFeed

Represents a single feed item in the feed on a contact record detail page. This object is available in API version 18.0 and later.

ContactHistory

Represents the history of changes to the values in the fields of a contact. This object is available in versions 11.0 and later.

ContactOwnerSharingRule

Represents the rules for sharing a contact with a User other than the owner.

ContactShare

Represents a list of access levels to a Contact along with an explanation of the access level. For example, if you have access to a record because you own it, the `ContactAccessLevel` is `All` and `RowCause` is Owner.

ContactTag

Associates a word or short phrase with a Contact.

ContentAsset

Represents a Salesforce file that has been converted to an asset file in a custom app in Lightning Experience. Use asset files for org setup and configuration. Asset files can be packaged and referenced by other components. This object is available in API version 38.0 and later.

ContentBody

Represents the body of a file in Salesforce CRM Content or Salesforce Files. This object is available in API version 40.0 and later.

ContentDistribution

Represents information about sharing a document externally. This object is available in API version 32.0 and later.

ContentDistributionView

Represents information about views of a shared document. This read-only object is available in API version 32.0 and later.

ContentDocument

Represents a document that has been uploaded to a library in Salesforce CRM Content or Salesforce Files. This object is available in versions 17.0 and later for Salesforce CRM Content. This object is available in API version 21.0 and later for Salesforce Files.

ContentDocumentFeed

Represents a single feed item associated with ContentDocument. A content document feed shows these content document changes: creating a ContentDocument file and uploading a new ContentDocument. This object is available in versions 20.0 and later.

ContentDocumentHistory

Represents the history of a document. This object is available in versions 17.0 and later.

ContentDocumentLink

Represents the link between a Salesforce CRM Content document or Salesforce file and where it's shared. A file can be shared with other users, groups, records, and Salesforce CRM Content libraries. This object is available in versions 21.0 and later for Salesforce CRM Content documents and Salesforce Files.

ContentDocumentSubscription

Represents a subscription for a user following or commenting on a file in a library. This object is available in API version 42.0 and later.

ContentFolder

Represents a folder in a content library for adding files. This object is available in API version 34.0 and later.

ContentFolderItem

Represents a file (ContentDocument) or folder (ContentFolder) that resides in a ContentFolder in a ContentWorkspace. This object is available in API version 35.0 and later.

ContentFolderLink

Defines the association between a library and its root folder. This object is available in API version 34.0 and later.

ContentFolderMember

Defines the association between a file and a folder. This object is available in API version 34.0 and later.

ContentHubItem

Represents a file or folder in a Files Connect external data source, such as Microsoft SharePoint or OneDrive for Business. This object is available in API version 33.0 and later.

ContentHubRepository

Represents a Files Connect external data source such as Microsoft SharePoint or OneDrive for Business. This object is available in API version 33.0 and later.

ContentNote

Represents a note created with the enhanced note taking tool, released in Winter '16. This object is available in API version 32.0 and later.

ContentNotification

Represents a notification for a file. This object is available in API version 42.0 and later.

ContentTagSubscription

Represents a subscription for a user following a tag on a file. This object is available in API version 42.0 and later.

ContentUserSubscription

Represents a subscription for a user following another user. This object is available in API version 42.0 and later.

ContentVersion

Represents a specific version of a document in Salesforce CRM Content or Salesforce Files. This object is available in versions 17.0 and later for Salesforce CRM Content documents. This object is available in versions 20.0 and later for Salesforce Files.

ContentVersionComment

Represents a comment on a version of a file. This object is available in API version 42.0 and later.

ContentVersionHistory

Represents the history of a specific version of a document. This object is available in version 17.0 and later.

ContentVersionRating

Represents a rating on a version of a file. This object is available in API version 42.0 and later.

ContentWorkspace

Represents a content library. This object is available in versions 17.0 and later.

ContentWorkspaceDoc

Represents a link between a document and a public library in Salesforce CRM Content. This object is available in versions 17.0 and later.

ContentWorkspaceMember

Represents a member of a content library. This object is available in API version 40.0 and later.

ContentWorkspacePermission

Represents a library permission. This object is available in API version 40.0 and later.

ContentWorkspaceSubscription

Represents a subscription for a user following a library. This object is available in API version 42.0 and later.

Contract

Represents a contract (a business agreement) associated with an Account.

ContractContactRole

Represents the role that a given Contact plays on a Contract.

ContractFeed

Represents a single feed item in the feed on the contract record detail page. This object is available in API version 18.0 and later.

ContractHistory

Represents the history of changes to the values in the fields of a contract.

ContractLineItem

Represents a product covered by a service contract (customer support agreement). This object is available in API version 18.0 and later.

ContractLineItemHistory

Represents the history of changes to the values in the fields on a ContractLineItem (items in a customer support agreement). This object is available in API version 18.0 and later.

ContractStatus

Represents the status of a Contract, such as Draft, InApproval, Activated, Terminated, or Expired.

ContractTag

Associates a word or short phrase with a Contract.

CorsWhitelistEntry

Cross-Origin Resource Sharing (CORS) enables web browsers to request resources from origins other than their own (cross-origin). For example, using CORS, JavaScript code at `https://www.example.com` could request a resource from `https://www.salesforce.com`. To access supported Salesforce APIs, Apex REST resources, and Lightning Out from JavaScript code in a web browser, add the origin serving the code to a Salesforce CORS whitelist.

CronJobDetail

Contains details about the associated scheduled job, such as the job's name and type. This object is available in API version 29.0 and later.

CronTrigger

Contains schedule information for a scheduled job. CronTrigger is similar to a cron job on UNIX systems. This object is available in API version 17.0 and later.

CurrencyType

Represents the currencies used by an organization for which the multicurrency feature is enabled.

CustomBrand

Represents a custom branding and color scheme. This object is available in API version 28.0 and later.

CustomBrandAsset

Represents a branding element in a custom branding scheme. For example, a color, logo image, header image, or footer text. A CustomBrandAsset can apply to a community or to an org using the Salesforce app. This object is available in API version 28.0 and later.

CustomHttpHeader

Represents a custom HTTP header that provides context information from Salesforce such as region, org details, or the role of the person viewing the external object. This object is available in API version 43.0 and later.

Custom Metadata Type__mdt

Represents a custom metadata record. This object is available in API version 34.0 and later.

Custom Object__Feed

`Custom Object`__Feed is the base object for all record feed objects. For example, AccountFeed is based on `Custom Object`__Feed. The `Custom Object`__Feed object is not, in itself, accessible. Objects based on the `Custom Object`__Feed object are available in API version 18.0 and later.

CustomPermission

Represents a permission created to control access to a custom process or app, such as sending email. This object is available in API version 31.0 and later.

CustomPermissionDependency

Represents the dependency between two custom permissions when one custom permission requires that you enable another custom permission. This object is available in API version 32.0 and later.

DandBCompany

Represents a Dun & Bradstreet® company record, which is associated with an account added from Data.com. This object is available in API version 25.0 and later.

Dashboard

Represents a dashboard, which shows data from custom reports as visual components. Access is read-only. This object is available in API version 20.0 and later.

DashboardComponent

Represents a dashboard component, which can be a chart, metric, table, or gauge on a dashboard. Access is read-only. This object is available in API version 21.0 and later.

DashboardComponentFeed

Represents a single feed item in the feed displayed on a dashboard component. This object is available in API version 21.0 and later.

DashboardFeed

Represents a single feed item in the feed displayed on a dashboard. This object is available in API version 20.0 and later.

DashboardTag

Associates a word or short phrase with a Dashboard. This object is available in API version 20.0 and later.

DataAssessmentFieldMetric

Represents summary statistics for matched, blank, and differing fields in account records of an org compared to records in Data.com.This object is available in API version 37.0 and later.

DataAssessmentMetric

Represents a summary of statistics for fields matched and unmatched in your account records with Data.com account records.This object is available in API version 37.0 and later.

DataAssessmentValueMetric

Summarizes the number of fields matched for your account records with Data.com account records.This object is available in API version 37.0 and later.

DatacloudCompany

Represents the fields for Data.com company records. This object is available in API version 30.0 or later.

DatacloudContact

The fields and properties for Data.com contact records. This object is available in API version 30.0 or later.

DatacloudDandBCompany

Represents a set of read-only fields that are used to return D&B company data from Data.com API calls. This object is available in API version 30.0 or later.

DatacloudOwnedEntity

Represents fields in the DatacloudOwnedEntity object. The DatacloudOwnedEntity object tracks user-purchased records. This object is available in API version 30.0 or later.

DatacloudPurchaseUsage

Represents an object used to identify and track Data.com record purchases. This object is available in API version 30.0 or later.

DatacloudSocialHandle

Returns normalized URLs with userids for different social media used by Data.com contacts. The DatacloudSocialHandle object is a child object of the DatacloudContact object.This object is available in API version 30.0 or later.

DataIntegrationRecordPurchasePermission

Indicates Lightning Data purchase credits that a Salesforce admin has granted to users.

DatasetExport

Represents a dataset exported from Einstein Analytics. When a dataset is exported, the data is converted into a .csv file and the schema is stored in a separate JSON file. These files are stored in two objects: DatasetExport and DatasetExportPart. DatasetExport acts as the header and includes the JSON schema.

DatasetExportPart

Represents a dataset exported from Einstein Analytics. When a dataset is exported, the data is converted into a .csv file and the schema is stored in a separate JSON file. These files are stored in two objects: DatasetExport and DatasetExportPart. DatasetExportPart contains parts of the .csv file.

DatedConversionRate

Represents the dated exchange rates used by an organization for which the multicurrency and the effective dated currency features are enabled.

DcSocialProfile

The `DcSocialProfile` object is a read-only object accessible only through the Data.com Social Key API. This object is available in API version 32.0 or later.

DcSocialProfileHandle

The `DcSocialProfileHandle` object. a child object to `DcSocialProfile`, is a read-only object accessible only through the Data.com Social Key API. The `DcSocialProfileHandle` object is a child object of the `DcSocialProfile` object.This object is available in API version 32.0 or later.

DeclinedEventRelation

Represents invitees with the status `Declined` for a given event. This object is available in API versions 29.0 and later.

DigitalSignature

Represents a signature captured on a service report in field service.

Division

A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.

DivisionLocalization

When the Translation Workbench is enabled for your organization, the DivisionLocalization object provides the translation of the label for a division.

Document

Represents a file that a user has uploaded. Unlike Attachment records, documents are not attached to a parent object.

DocumentAttachmentMap

Maps the relationship between an EmailTemplate and its attachment, which is stored as a Document.

DocumentTag

Associates a word or short phrase with a Document.

Domain

Read-only object that represents a custom Web address assigned to a site in your organization. This object is available in API version 26.0 and later.

DomainSite

Read-only junction object that joins together the Site and Domain objects. This object is available in API version 26.0 and later.

DuplicateJob

Represents an instance of a job that identifies duplicates among existing records in the system.

DuplicateJobDefinition

Setup object defining a job that identifies duplicate record items globally.

DuplicateJobMatchingRule

Represents a MatchingRule to be used with a DuplicateJob sharing the corresponding DuplicateJobMatchingRuleDefinition.

DuplicateJobMatchingRuleDefinition

Setup object specifying a MatchingRule to use with DuplicateJob instances that share a DuplicateJobDefinition.

DuplicateRecordItem

Represents an individual record that's part of a duplicate record set. Use this object to create custom report types.

DuplicateRecordSet

Represents a group of records that have been identified as duplicates. Each duplicate record set contains one or more duplicate record items. Use this object to create custom report types and view the results of duplicate jobs.

DuplicateRule

Represents a duplicate rule for detecting duplicate records.

EmailDomainFilter

Represents a filter that determines whether an email relay is restricted to a specific list of domains. This object is available in API version 43.0 and later.

EmailDomainKey

Represents a domain key for an organization's domain, used to authenticate outbound email that Salesforce sends on the organization's behalf. This object is available in API version 28.0 and later.

EmailMessage

Represents an email in Salesforce.

EmailMessageRelation

Represents the relationship between an email and contacts, leads, and users. This object is available in API version 37.0 and later

EmailRelay

Represents the configuration for sending an email relay. An email relay routes email sent from Salesforce through your company's email servers. This object is available in API version 43.0 and later.

EmailServicesAddress

An email service address.

EmailServicesFunction

An email service.

EmailStatus

Represents the status of email sent.

EmailTemplate

Represents a template for mass email, or email sent when the activity history related list of a record is modified.

EmbeddedServiceDetail

Represents a metadata catalog object that exposes fields from the underlying Embedded Service setup objects defined in each EmbeddedServiceConfig deployment for guest users. Guest users don't have direct access to the Embedded Service setup objects. Available in API version 39.0 and later.

Entitlement

Represents the customer support an account or contact is eligible to receive. This object is available in API version 18.0 and later. Entitlements may be based on an asset, product, or service contract.

EntitlementContact

Represents a Contact eligible to receive customer support via an Entitlement. This object is available in API version 18.0 and later.

EntitlementFeed

Represents a single feed item in the feed displayed on the detail page for an entitlement. An entitlement feed shows recent changes to an entitlement record for any fields that are tracked in feeds, and comments and posts about the record. It's a useful way to stay up-to-date with changes to entitlements. This object is available in API version 23.0 and later.

EntitlementHistory

Represents the changes to field values on an Entitlement. This object is available in API version 18.0 and later.

EntitlementTemplate

Represents predefined terms of customer support for a product (Product2). This object is available in API version 18.0 and later.

EntityHistory

Represents historical information about an object's changed field values. This object is only available to users with the "View All Data" permission. This object is unavailable beginning with API version 8.0. Use the object-specific History objects instead: CaseHistory, ContractHistory, LeadHistory, OpportunityFieldHistory, OpportunityHistory ProcessInstanceHistory, QuantityForecastHistory, RevenueForecastHistory, or SolutionHistory.

EntityMilestone

Represents a required step in a customer support process on a work order. The Salesforce user interface uses the term "object milestone." This object is available in API version 37.0 and later.

EntitySubscription

Represents a subscription for a user following a record or another user. This object is available in API version 34.0 and later.

EnvironmentHubMember

Represents a member organization in the Environment Hub. This object is available in API version 29.0 and later.

Event

Represents an event in the calendar. In the user interface, event and task records are collectively referred to as activities.

EventFeed

Represents a single feed item in the feed on an Event. This object is available in API version 20.0 and later.

EventLogFile

Represents event log files for event monitoring. The event monitoring product gathers information about your Salesforce org's operational events, which you can use to analyze usage trends and user behavior. This object is available in API version 32.0 and later. The `Interval` and `Sequence` fields are available only in API version 37.0 and later.

EventRelation

Represents a person (a user, lead, or contact) or a resource (such as a conference room) invited to an event. This object lets you add or remove invitees from an event and use the API to manage invitees' responses to invitations. If Shared Activities is enabled, EventRelation can also represent other objects that are related to an event. EventRelation does not support triggers, workflow, or data validation rules.

EventBusSubscriber

Represents a trigger, process, or flow that is subscribed to a platform event.

EventTag

Associates a word or short phrase with an Event.

EventWhoRelation

Represents the relationship between an event and a lead or contacts. This derived object is a filtered version of the EventRelation on page 1043 object; that is, IsParent is `true` and IsWhat is `false`. It doesn't represent relationships to invitees or to accounts, opportunities, or other objects. This object is available in API versions 29.0 and later.

ExternalDataSource

Represents an external data source, which defines connection details for integration with data and content that are stored outside the Salesforce org. This object is available in API version 27.0 and later.

ExternalDataUserAuth

Stores authentication settings for a Salesforce user to access an external system. The external system must be defined in an external data source or a named credential that's configured to use per-user authentication. This object is available in API version 27.0 and later.

FeedAttachment

Represents an attachment to a feed item, such as a file attachment or a link. Use FeedAttachment to add various attachments to one feed item. This object is available in API version 36.0 and later.

FeedComment

Represents a comment added to a feed by a user. This object is available in API version 18.0 and later.

FeedItem

FeedItem represents an entry in the feed, such as changes in a record feed, including text posts, link posts, and content posts. This object is available in API version 21.0 and later. This object replaces FeedPost.

FeedLike

Indicates that a user has liked a feed item. This object is available in API version 21.0 and later.

FeedPollChoice

Shows the choices for a poll posted in the feed. This object is available in API version 29.0 and later.

FeedPollVote

Shows how users voted on a poll posted in the feed. This object is available in API version 29.0 and later.

FeedPost

FeedPost represents the following types of changes in a record feed, such as AccountFeed: text posts, link posts, and content posts. This object is available in API version 18.0 through 21.0. FeedPost is no longer available in later versions. Starting with API version 21.0, use FeedItem to represent text posts, link posts, and content posts in feeds.

FeedRevision

Holds the revision history of a specific feed item or comment, including a list of attributes that changed for each revision. This object is available in API version 34.0 and later.

FeedTrackedChange

Represents an individual field change or set of field changes. A FeedTrackedChange is a child object of a record feed, such as AccountFeed This object is available in API version 18.0 and later..

FieldHistoryArchive

Represents field history values for all objects that retain field history. `FieldHistoryArchive` is a big object, available only to users with the “Retain Field History” permission. This object is available in API version 29.0 and later.

FieldPermissions

Represents the enabled field permissions for the parent PermissionSet. This object is available in API version 24.0 and later.

FieldServiceMobileSettings

Represents a configuration of settings that control the Field Service Lightning iOS and Android mobile app experience. This object is available in API version 38.0 and later.

FiscalYearSettings

Settings to define a custom or standard fiscal year for your organization. This object has a parent-child relationship with the Period object.

FlexQueueItem

Represents an asynchronous Apex job in the Apex flex queue. Provides information about the job type and flex queue position of the AsyncApexJob. This object is available in API version 36.0 and later.

FlowInterview

Represents a flow interview. A *flow interview* is a running instance of a flow.

FlowInterviewOwnerSharingRule

Represents the rules for sharing a FlowInterview with users other than the owner. This object is available in API version 33.0 and later.

FlowInterviewShare

Represents a sharing entry on a FlowInterview. This object is available in API version 33.0 and later.

FlowRecordRelation

Represents a relationship between a record and a flow interview. When a flow interview is paused, Salesforce uses the $Flow.CurrentRecord system variable in the flow to associate the interview with a record. Available in API version 42.0 and later.

FlowStageRelation

Represents a relationship between a paused flow interview and its stages. When a flow interview is paused, Salesforce creates a FlowStageRelation record for each stage that’s set to the `$Flow.CurrentStage` or `$Flow.ActiveStages` system variable. Available in API version 43.0 and later.

Folder

Represents a repository for a Document, EmailTemplate, Report, or Dashboard. Only one type of item can be contained in a folder.

FolderedContentDocument

Represents the relationship between a parent and child ContentFolderItem in a ContentWorkspace.

ForecastingAdjustment

This object represents an individual sales manager’s adjustment for a subordinate’s forecast via a ForecastingItem. Available in API versions 26 and greater. This object is separate from the ForecastingOwnerAdjustment object, which represents forecast users’ adjustments of their *own* forecasts.

ForecastingDisplayedFamily

Represents the table in Forecasts Settings where an admin selects the product families that users can forecast on in Lightning Experience. This object is available in API version 40.0 and later.

ForecastingFact

This is a read-only object linking a ForecastingItem with its opportunities, such as opportunities that share the same owner or forecast category and have a closing date within the period of the forecasting item. Available in API versions 26 and greater.

ForecastingItem

This is a read-only object used for individual forecast amounts. Users see amounts based on their perspectives and forecast roles. The amounts users see include one of the following when forecasting in revenue: `AmountWithoutAdjustments`, `AmountWithoutManagerAdjustment`, `ForecastAmount`, `OwnerOnlyAmount`. The amounts users see include one of the following when forecasting in quantity: `QuantityWithoutAdjustments`, `QuantityWithoutManagerAdjustment`, `ForecastQuantity`, `OwnerOnlyQuantity`. Available in API versions 26 and greater.

ForecastingOwnerAdjustment

This object represents an individual forecast user's adjustment of their *own* forecast via a ForecastingItem. Available in API versions 33 and greater. This object is separate from the ForecastingAdjustment object, which represents managers' adjustments of *subordinates'* forecasts.

ForecastingQuota

This object represents an individual user's quota for a specified time period. The "Manage Quotas" user permission is required for creating, updating, or deleting quotas. (Users can only edit their subordinates' quotas, not their own.) The "View All Forecasts" permission is required to View any user's forecast, regardless of the forecast role hierarchy. Available in API versions 25 and greater. Forecast managers can view the forecasts of subordinates who report to them in the forecast hierarchy.

ForecastingType

This object is used to identify the forecast type associated with `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingQuota`, `ForecastingFact`, and `ForecastingItem` objects. Available in API versions 30.0 and greater.

ForecastingUserPreference

Represents the forecasting selections that a user has made, such as display options, date range, forecasting type, and currency.

ForecastShare

Represents the sharing of a customizable forecast at a given role and territory.

Goal

The Goal object represents the components of a goal such as its name, description, and status.

GoalFeed

Represents a single feed item in the feed displayed for a Goal record. The goal feed shows changes to a goal for fields that are tracked in feeds, posts, and comments about the goal.

GoalHistory

This read-only object contains historical information about changes that have been made to the Goal object.

GoalLink

Represents the relationship between two goals. This is a many-to-many relationship, meaning that each goal can link to many other goals.

GoalShare

Represents a sharing entry on a Goal object.

GoogleDoc

Represents a link to a Google Document. This object is available in API version 14.0 and later.

Group

A set of User records.

GroupMember

Represents a User or Group that is a member of a public group.

HashtagDefinition

HashtagDefinition represents hashtag (#) topics in public Chatter posts and comments. Public posts and comments include those on profiles and in public groups, but not those on records or in private groups. This object is available in API version 26.0 and later.

Holiday

Represents a period of time during which your customer support team is unavailable. Business hours and escalation rules associated with business hours are suspended during any holidays with which they are affiliated.

IconDefinition

Represents the icon-related metadata for a custom tab. This object is available in API version 43.0 and later.

Idea

Represents an idea on which users are allowed to comment and vote, for example, a suggestion for an enhancement to an existing product or process. This object is available in API version 12 and later.

IdeaComment

Represents a comment that a user has submitted in response to an idea.

IdeaReputation

Represents a collection of statistics and scores derived from a user's activity within an Ideas zone or internal organization. This object is available in API version 28.0 and later.

IdeaReputationLevel

Represents a reputation level within an Ideas zone or internal organization and is used by the system to calculate reputation. You can create up to 25 levels per zone or internal organization. This object is available in API version 28.0 and later.

IdeaTheme

Represents an invitation to community members to submit ideas that are focused on a specific topic. This object is available in API version 26 and later.

Individual

Represents a customer's data privacy and protection preferences. Data privacy records based on the Individual object store your customers' preferences. Data privacy records are associated with related leads and contacts. This object is available in API version 42.0 and later.

IndividualHistory

Represents the history of changes to values in the fields of a data privacy record, based on the Individual object. This object is available in versions 42.0 and later.

IndividualShare

Represents a list of access levels to a data privacy record along with an explanation of the access level. For example, if you have access to a record because you own it, the `IndividualAccessLevel` is `All` and `RowCause` is Owner. This object is available in API version 42.0 and later.

KnowledgeableUser

Represents a user identified as knowledgeable about a specific topic, and ranks them relative to other knowledgeable users. This object is available in API version 31.0 and later.

KnowledgeArticle

Provides read-only access to an article and the ability to delete the master article. This object is available in API version 19.0 and later.

KnowledgeArticleVersion

Provides a global view of standard article fields across all article types depending on their version. This object is available in API version 18.0 and later.

KnowledgeArticleVersionHistory

Enables read-only access to the full history of an article. This object is available in API version 25.0 and later.

KnowledgeArticleViewStat

Provides statistics on the number of views for the specified article across all article types. This object is read-only and available in API version 20 and later.

KnowledgeArticleVoteStat

Provides the weighted rating for the specified article on a scale of 1 to 5 across all article types. This object is read-only and available in API version 20 and later.

Lead

Represents a prospect or lead.

LeadCleanInfo

Stores the metadata Data.com Clean uses to determine a lead record's clean status. Helps you automate the cleaning or related processing of lead records.

LeadFeed

Represents a single feed item in the feed displayed on the detail page for a lead record. This object is available in API version 18.0 and later.

LeadHistory

Represents the history of changes to the values in the fields of a lead.

LeadOwnerSharingRule

Represents the rules for sharing a lead with users other than the owner.

LeadShare

Represents a sharing entry on a Lead.

LeadStatus

Represents the status of a Lead, such as Open, Qualified, or Converted.

LeadTag

Associates a word or short phrase with a Lead.

LightningToggleMetrics

Represents users who switched from Lightning Experience back to Salesforce Classic. This object is available in API version 43.0 and later.

LightningUsageByAppTypeMetrics

Represents number of users on Lightning Experience and Salesforce Mobile. This object is available in API version 43.0 and later.

LightningUsageByBrowserMetrics

Represents Lightning Experience usage grouped by user's browser. This object is available in API version 43.0 and later.

LightningUsageByFlexiPageMetrics

Represents custom pages users viewed most frequently in Lightning Experience. This object is available in API version 43.0 and later.

LightningUsageByPageMetrics

Represents standard pages users viewed most frequently in Lightning Experience. This object is available in API version 43.0 and later.

LimitAllocationPerApp

Represents a connected app quota for an API limit. This object is available in API version 30.0 and later.

LineitemOverride

A forecast override of a line item on an Opportunity. This read-only object for customizable forecasting has a child-parent relationship with OpportunityOverride.

LinkedArticle

Represents a knowledge article that is attached to a work order, work order line item, or work type. This object is available in API version 37.0 and later.

LinkedArticleFeed

Represents a single feed item on a linked knowledge article attached to a work order, work order line item, or work type. This object is available in API version 37.0 and later.

LinkedArticleHistory

Represents the history of changes made to tracked fields on a linked article. This object is available in API version 37.0 and later.

ListEmail

Represents a list email in Salesforce. Available in API version 41.0 and later. Has a one-to-many relationship with ListEmailRecipientSource.

ListEmailRecipientSource

For a list email in Salesforce, represents the source of a recipient's email. Available in API version 41.0 and later.

ListView

Represents a list view. A list view specifies a set of records for an object, based on specific criteria. This object is available in API version 32.0 and later.

ListViewChart

Represents a graphical chart that's displayed on Salesforce for Android, iOS, and mobile web list views. The chart aggregates data that is filtered based on the list view that's currently displayed. This object is available in API version 33.0 and later.

ListViewChartInstance

Retrieves metadata for all standard and custom charts for a given entity in context of a given list view. This object is available in API versions 34.0 and later.

LiveAgentSession

This object is automatically created for each Live Agent session and stores information about the session. This object is available in API versions 28.0 and later.

LiveAgentSessionHistory

This object is automatically created for each Live Agent session and stores information about changes made to the session. This object is available in API versions 28.0 and later.

LiveAgentSessionOwnerSharingRule

Represents the rules for sharing a Live Agent session record with users other than the record owner. This object is available in API version 28.0 and later.

LiveAgentSessionShare

This object is automatically created for each Live Agent session and stores information about the session. This object is available in API versions 28.0 and later.

LiveChatBlockingRule

Represents a rule for blocking chat visitors' IP addresses from starting new chats with agents. This object is available in API version 34.0 and later.

LiveChatButton

Represents a button that allows visitors to request chats with Live Agent users. This object is available in API version 24.0 and later.

LiveChatButtonDeployment

Associates a Live Agent automated chat invitation with a specific deployment. This object is available in API versions 28.0 and later.

LiveChatButtonSkill

Represents all the skills available to a LiveChatButton except the one currently assigned. To retrieve the skill currently assigned, query LiveChatButton. This object is available in API version 25.0 and later.

LiveChatDeployment

Represents the general settings for deploying Live Agent on a website. This object is available in API version 24.0 and later.

LiveChatSensitiveDataRule

Represents a rule for masking or deleting data of a specified pattern. Written as a regular expression (regex). This object is available in API version 35.0 and later.

LiveChatTranscript

This object is automatically created for each Live Agent chat session and stores information about the session. This object is available in API version 24.0 and later.

LiveChatTranscriptEvent

Captures specific events that occur over the lifetime of a chat. This object is available in API version 24.0 and later.

LiveChatTranscriptHistory

Represents changes to field values on a LiveChatTranscript object. This object is available in API version 24.0 and later.

LiveChatTranscriptOwnerSharingRule

Represents the rules for sharing a Live Agent chat transcript record with users other than the record owner. This object is available in API version 29.0 and later.

LiveChatTranscriptShare

Represents a sharing entry on a LiveChatTranscript object. This object is available in API version 24.0 and later.

LiveChatTranscriptSkill

Represents a join between LiveChatTranscript and Skill. This object is available in API version 25.0 and later.

LiveChatUserConfig

Represents a setting that controls the console settings for Live Agent users. This object is available in API version 24.0 and later.

LiveChatUserConfigProfile

Represents a join between LiveChatUserConfig and Profile. This object is available in API version 24.0 and later.

LiveChatUserConfigUser

Represents a join between LiveChatUserConfig and User. This object is available in API version 24.0 and later.

LiveChatVisitor

Represents a website visitor who has started or tried to start a chat session. This object is available in API version 24.0 and later.

Location

Represents a warehouse, service vehicle, work site, or other element of the region where your team performs field service work.

LocationFeed

Represents a single feed item on a field service location record detail page.

LoginEvent

Represents a trackable user login event in your org. This object is available in API version 36.0 and later.

LoginGeo

Represents the geographic location of the user's IP address for a login event. Due to the nature of geolocation technology, the accuracy of geolocation fields (for example, country, city, postal code) may vary. This object is available in API version 34.0 and later.

LoginHistory

Represents the login history for all successful and failed login attempts for organizations and enabled portals. This object is available in API version 21.0 and later.

LoginIp

Represents a validated IP address. This object is available in version 28.0 and later.

LogoutEventStream (Beta)

LogoutEventStream represents an event associated with a user UI logout. A logout event records a successful user logout from your org's UI. This object is read only, and you can't retrieve it using a SOQL query. This object is available in API version 41.0 and later.

LookedUpFromActivity

This read-only object is displayed as a related list on an activity record (an event or a task); the list contains records that have custom lookup relationships from the activity to another object. This object is not queryable.

Macro

Represents a macro, which is a set of instructions that tells the system to perform one or more tasks. This object is available in API version 32.0 and later.

MacroInstruction

Represents an instruction in a macro. An instruction can specify the object that the macro interacts with, the context or publisher that the macro works within, the operation or action that the macro performs, and the target of the macro's actions. It is a useful way to programmatically define instructions, instead of using the macro widget in the console.

MailmergeTemplate

Represents a mail merge template (a Microsoft Word document) used for performing mail merges for your organization.

MaintenanceAsset

Represents an asset covered by a maintenance plan in field service. Assets can be associated with multiple maintenance plans.

MaintenancePlan

Represents a preventive maintenance schedule for one or more assets in field service.

MatchingRule

Represents a matching rule that is used to identify duplicate records. This object is available in API version 33.0 and later.

MatchingRuleItem

Represents criteria used by a matching rule to identify duplicate records. This object is available in API version 33.0 and later.

MetadataPackage

Represents a managed or unmanaged package that has been developed in the org you're logged in to.

MetadataPackageVersion

Represents a package version (managed or unmanaged) that has been uploaded from the org you're logged in to.

Metric

The Metric object represents the components of a goal metric such as its name, metric type, and current value.

MetricDataLink

The link between the metric and the data source, such as a report.

MetricDataLinkHistory

This read-only object contains historical information about changes that have been made to the MetricDataLink object.

MetricFeed

Represents a single feed item in the feed displayed on a Metric record.

MetricHistory

This read-only object contains historical information about changes that have been made to the Metric object.

MetricsDataFile

Represents a data file containing usage metrics on all installations of a managed package in a Salesforce instance. This object is available in API version 30.0 and later.

MetricShare

Represents a sharing entry on a Metric object.

MilestoneType

Represents a milestone (required step in a customer support process). This object is available in API version 18.0 and later.

MobileSettingsAssignment

Represents the assignment of a particular field service mobile settings configuration to a user profile. This object is available in API version 41.0 and later.

Name

Non-queryable object that provides information about foreign key traversals when the foreign key has more than one parent.

NamedCredential

Represents a named credential, which specifies the URL of a callout endpoint and its required authentication parameters in one definition. A named credential can be specified as an endpoint to simplify the setup of authenticated callouts. This object is available in API version 33.0 and later.

NamespaceRegistry

Represents a namespace that you can link to scratch orgs that were created from your org's Dev Hub. You use the namespace when developing, packaging, and releasing an app. You can't create this object with the API. Use the **Link Namespace** action in the Dev Hub graphical interface to insert a `NamespaceRegistry` record. This object is available in API version 41.0 and later.

NavigationLinkSet

Represents the navigation menu in a community. A navigation menu consists of items that users can click to go to other parts of the community. This object is available in API version 35.0 and later.

NavigationMenuItem

Represents a single menu item in a NavigationLinkSet. Use this object to create, delete, or update menu items in your community's navigation menu. This object is available in API version 35.0 and later.

NavigationMenuItemLocalization

Represents the translated value of a navigation menu item in a community. This object is available in API version 36.0 and later.

Network

Represents a community, which is a customizable public or private space where employees, end-customers, and partners can collaborate on best practices and business processes. Communities give you the opportunity to share information, records, and files with coworkers and related external stakeholders all in one place. This object is available in API version 26.0 and later.

NetworkActivityAudit

Represents an audit trail of moderation actions in Communities. This object is available in API version 30.0 and later.

NetworkAffinity

Represents a junction object that associates a user profile with a Network object, that is, with a community. Use NetworkAffinity to assign a default community to a user profile. This object is available in API version 41.0 and later.

NetworkMember

Represents a member of a community. Members can be either users in your company or external users with portal profiles. This object is available in API version 26.0 and later.

NetworkMemberGroup

Represents a group of members in a community. Members can be either users in your internal organization or external users assigned portal profiles. An administrator adds members to a community by adding a profile or a permission set, and any user with the profile or permission set becomes a member of the community. This object is available in API version 26.0 and later.

NetworkModeration

Represents a flag on an item in a community. This object is available in API version 30.0 and later.

NetworkPageOverride

Represents information about custom pages used to override the default pages in communities. You can create Community Builder (Site.com Studio) or Visualforce pages and override the default pages in a community. Using custom pages allows you to create a more personalized experience for your users. This object is available in API version 34.0 and later.

NetworkSelfRegistration

Represents the account that self-registering community members are associated with by default. Self-registering users in a community are required to be associated with an account, which the administrator must specify while setting up self-registration for the community. If an account isn't specified, Salesforce creates person accounts (when enabled) for self-registering users. This object is available in API version 34.0 and later.

NetworkUserHistoryRecent

Represents a community user's history of accessed records. This object is available in API version 42.0 and later.

NewsFeed

Represents a single feed item on a user's home tab. A Chatter feed shows recent changes to records that the user is following.

Note

Represents a note, which is text associated with a custom object or a standard object, such as a Contact, Contract, or Opportunity.

OauthToken

Represents an OAuth access token for connected app authentication and can be used to create a user interface for token management. This object is available in API version 32.0 and later.

NoteAndAttachment

This read-only object contains all notes and attachments associated with an object.

NoteTag

Associates a word or short phrase with a Note.

ObjectPermissions

Represents the enabled object permissions for the parent PermissionSet. This object is available in API version 24.0 and later.

ObjectTerritory2AssignmentRule

Represents a territory assignment rule that's associated with an object, such as Account. ObjectTerritory2AssignmentRuleItem can only be created or deleted if the BooleanFilter field on its corresponding ObjectTerritory2AssignmentRule is `null`. Available only if Enterprise Territory Management has been enabled for your organization.

ObjectTerritory2AssignmentRuleItem

A single row of selection criteria for an ObjectTerritory2AssignmentRule object. ObjectTerritory2AssignmentRuleItem can only be created or deleted if the `BooleanFilter` field on its corresponding ObjectTerritory2AssignmentRule object is a `null` value. Available only if Enterprise Territory Management has been enabled for your organization.

ObjectTerritory2Association

Represents an association (by assignment) between a territory and an object record, such as an account. Available only if Enterprise Territory Management has been enabled for your Salesforce org.

OpenActivity

This read-only object is displayed in a related list of open activities—future events and open tasks—related to an object. It includes activities for all contacts related to the object. OpenActivity fields for phone calls are only available if your organization uses Salesforce CRM Call Center.

OperatingHours

Represents the hours in which a service territory, service resource, or account is available for field service work. This object is available in API version 38.0 and later.

OperatingHoursFeed

Represents a single feed item on an operating hours record detail page. This object is available in API version 38.0 and later.

OperatingHoursHistory

Represents the history of changes made to tracked fields on an operating hours record. This object is available in API version 38.0 and later.

Opportunity

Represents an opportunity, which is a sale or pending deal.

OpportunityCompetitor

Represents a competitor on an Opportunity.

OpportunityContactRole

Represents the role that a Contact plays on an Opportunity.

OpportunityFeed

Represents a single feed item in the feed displayed on the detail page for an opportunity record. This object is available in API version 18.0 and later.

OpportunityFieldHistory

Represents the history of changes to the values in the fields of an opportunity. This object is available in versions 13.0 and later.

OpportunityHistory

Represents the stage history of an Opportunity.

OpportunityLineItem

Represents an opportunity line item, which is a member of the list of Product2 products associated with an Opportunity.

OpportunityLineItemSchedule

Represents information about the quantity, revenue distribution, and delivery dates for a particular OpportunityLineItem.

OpportunityOverride

Represents a forecast override of an Opportunity. This read-only object is specific to customizable forecasting. It has a parent-child relationship with LineitemOverride.

OpportunityOwnerSharingRule

Represents a rule for sharing an opportunity with users other than the owner.

OpportunityPartner

This read-only object represents a partner relationship between an Account and an Opportunity. This object is automatically created when a Partner object is created for a partner relationship between an account and an opportunity.

OpportunityShare

Represents a sharing entry on an Opportunity.

OpportunitySplit

OpportunitySplit credits one or more opportunity team members with a portion of the opportunity amount. This object is available in API version 16.0 and later for pilot customers, and version 28.0 and later for others.

OpportunitySplitType

OpportunitySplitType provides unique labels and behavior for each split type. This object is available in API version 28.0 and later.

OpportunityStage

Represents the stage of an Opportunity in the sales pipeline, such as New Lead, Negotiating, Pending, Closed, and so on.

OpportunityTag

Associates a word or short phrase with an Opportunity.

OpportunityTeamMember

Represents a User on the opportunity team of an Opportunity.

Order

Represents an order associated with a contract or an account.

OrderFeed

Represents a single feed item in the feed displayed on an order.

OrderHistory

Represents historical information about changes that have been made to the standard fields of the associated order, or to any custom fields with history tracking enabled.

OrderItem

Represents an order product that your organization sells.

OrderItemFeed

Represents a single feed item in the feed displayed on the detail page for an order product record.

OrderItemHistory

Represents the history of changes to the values in the fields of an order product.

OrderOwnerSharingRule

Represents a rule which determines order sharing access for the order's owners.

Organization

Represents key configuration information for an organization.

OrgDeleteRequest

Represents a request to delete a developer edition (DE) org. This object is available in API version 42.0 and later. It is available only in Developer and Database.com editions.

OrgWideEmailAddress

Represents an organization-wide email address for user profiles.

OutOfOffice

Represents a user-set value on a profile that shows when the user intends to be out of the office. This object is available in API version 41.0 and later.

OwnedContentDocument

Represents a file owned by a user. This object is available in version 30.0 and later.

OwnerChangeOptionInfo

Represents default and optional actions that can be performed when a record's owner is changed. Available in API version 35.0 and later, but to query for change owner metadata, use the OwnerChangeOptionInfo object in Tooling API instead. For more information, see OwnerChangeOptionInfo in the Tooling API.

PackageLicense

Represents a license for an installed managed package. This object is available in API version 31.0 and later.

PackagePushError

Represents an error encountered during a push request. The number of PackagePushError records created depends on the number of push jobs in the request that result in an error.

PackagePushJob

Represents an individual push job for upgrading a package in an org from one version to another version. There can be multiple push jobs created for one push request. For example, if you want to upgrade five orgs as part of one push, you have one PackagePushRequest record and five PackagePushJob records.

PackagePushRequest

Represents the push request for upgrading a package in one or many orgs from one version to another version.

PackageSubscriber

Represents an installation of a package in an org. This object contains installation information for managed packages developed in the org you're logged in to.

Partner

Represents a partner relationship between two Account records or between an Opportunity and an Account.

PartnerFundAllocation

Represents allocated funds from a partner marketing budget for channel partners. This object is available in API version 41.0 and later.

PartnerFundAllocationFeed

Represents a single feed item on a partner fund allocation feed. This object is available in API version 41.0 and later.

PartnerFundAllocationHistory

Represents the history of changes to the values in the fields of a partner fund allocation object. Access is read-only. This object is available in API version 41.0 and later.

PartnerFundAllocationOwnerSharingRule

Represents a rule for sharing a partner fund allocation object with users other than the owner. This object is available in API version 41.0 and later.

PartnerFundAllocationShare

Represents a sharing entry on a partner fund allocation record. This object is available in API version 41.0 and later.

PartnerFundClaim

Represents a claim of funds from the partner marketing budget by a channel partner. This object is available in API version 41.0 and later.

PartnerFundClaimFeed

Represents a single feed item on a partner fund claim feed. This object is available in API version 41.0 and later.

PartnerFundClaimHistory

Represents the history of changes to the values in the fields of a partner fund claim object. Access is read-only. This object is available in API version 41.0 and later.

PartnerFundClaimOwnerSharingRule

Represents a rule for sharing a partner fund claim object with users other than the owner. This object is available in API version 41.0 and later.

PartnerFundClaimShare

Represents a sharing entry on a partner fund claim record. This object is available in API version 41.0 and later.

PartnerFundRequest

Represents a request for funds from the partner marketing budget by a channel partner. This object is available in API version 41.0 and later.

PartnerFundRequestFeed

Represents a single feed item on a partner fund request feed. This object is available in API version 41.0 and later.

PartnerFundRequestHistory

Represents the history of changes to the values in the fields of a partner fund request object. Access is read-only. This object is available in API version 41.0 and later.

PartnerFundRequestOwnerSharingRule

Represents a rule for sharing a partner fund request object with users other than the owner. This object is available in API version 41.0 and later.

PartnerFundRequestShare

Represents a sharing entry on a partner fund request record. This object is available in API version 41.0 and later.

PartnerMarketingBudget

Represents a budget that provides funds to channel partners for selling and marketing products and services. This object is available in API version 41.0 and later.

PartnerMarketingBudgetFeed

Represents a single feed item on a partner marketing budget feed. This object is available in API version 41.0 and later.

PartnerMarketingBudgetHistory

Represents the history of changes to the values in the fields of a partner marketing budget object. Access is read-only. This object is available in API version 41.0 and later.

PartnerMarketingBudgetOwnerSharingRule

Represents a rule for sharing a partner marketing budget object with users other than the owner. This object is available in API version 41.0 and later.

PartnerMarketingBudgetShare

Represents a sharing entry on a partner marketing budget record. This object is available in API version 41.0 and later.

PartnerNetworkConnection

Represents a Salesforce to Salesforce connection between Salesforce organizations.

PartnerNetworkRecordConnection

Represents a record shared between Salesforce organizations using Salesforce to Salesforce.

PartnerNetworkSyncLog

Represents the Org Sync Log tab in Salesforce, where Salesforce administrators can track the replication of record inserts and updates being performed in Organization Sync. The Connection Detail page for the replication connection also displays the Org Sync Log's twenty most recent entries, and provides a link to the log.

PartnerRole

Represents a role for an account Partner, such as consultant, supplier, and so on.

Period

Represents a fiscal period defined in FiscalYearSettings.

PermissionSet

Represents a set of permissions that's used to grant additional access to one or more users without changing their profile or reassigning profiles. This object is available in API version 22.0 and later.

PermissionSetAssignment

Represents the association between a User and a PermissionSet. This object is available in API version 22.0 and later.

PermissionSetLicense

Represents a license that's used to enable one or more users to receive a specified permission without changing their profile or reassigning profiles. You can use permission set licenses to grant access, but not to deny access. This object is available in API version 29.0 and later.

PermissionSetLicenseAssign

Represents the association between a User and a PermissionSetLicense. This object is available in API version 29.0 and later.

PlatformAction

PlatformAction is a virtual read-only object. It enables you to query for actions displayed in the UI, given a user, a context, device format, and a record ID. Examples include standard and custom buttons, quick actions, and productivity actions.

PresenceUserConfig

Represents a configuration that determines a presence user's settings. This object is available in API version 32.0 and later.

PresenceUserConfigProfile

Represents a configuration that determines the settings that are assigned to presence users who are assigned to a specific profile. User-level configurations override profile-level configurations. This object is available in API version 32.0 and later.

PresenceUserConfigUser

Represents a configuration that determines the settings that are assigned to a presence user. These user-level configurations override profile-level configurations. This object is available in API version 32.0 and later.

Pricebook2

Represents a price book that contains the list of products that your org sells.

Pricebook2History

Represents historical information about changes that have been made to the standard fields of the associated Pricebook2, or to any custom fields with history tracking enabled. This object is available in API version 43.0 and later.

PricebookEntry

Represents a product entry (an association between a Pricebook2 and Product2) in a price book.

ProcessDefinition

Represents the definition of a single approval process.

ProcessInstance

Represents an instance of a single, end-to-end approval process. Use this and the node, step, and workitem process instance objects to create approval history reports.

ProcessInstanceHistory

This read-only object shows all steps and pending approval requests associated with an approval process (ProcessInstance).

ProcessInstanceStep

Represents one work item in an approval process (ProcessInstance).

ProcessInstanceNode

Represents a step in an instance of an approval process. Compare to ProcessNode, which describes the step in a process definition. Use this object to retrieve approval history.

ProcessInstanceWorkitem

Represents a user's pending approval request.

ProcessNode

Describes a step in a process definition. Compare to ProcessInstanceNode, which describes the step in a running process.

Product2

Represents a product that your org sells.

Product2Feed

Represents a single feed item in the feed displayed on the detail page for a product record. This object is available in API version 18.0 and later.

ProductConsumed

Represents an item from your inventory that was used to complete a work order or work order line item in field service.

ProductEntitlementTemplate

Represents predefined terms of customer support (Entitlement) that users can add to products (Product2).

ProductItem

Represents the stock of a particular product at a particular location in field service, such as all bolts stored in your main warehouse.

ProductItemTransaction

Represents an action taken on a product item in field service. Product item transactions are auto-generated records that help you track when a product item is replenished, consumed, or adjusted.

ProductRequest

Represents an order for a part or parts in field service.

ProductRequestFeed

Represents a single feed item on an product request record detail page.

ProductRequestHistory

Represents historical information about changes that have been made to the standard fields of the associated product request, or to any custom fields with history tracking enabled.

ProductRequestLineItem

Represents a request for a part in field service. Product request line items are components of product requests.

ProductRequestOwnerSharingRule

Represents the rules for sharing a product request with users other than the owner.

ProductRequestShare

Represents a sharing entry on a product request object.

ProductRequired

Represents a product that is needed to complete a work order or work order line item in field service.

ProductTransfer

Represents the transfer of inventory between locations in field service.

ProductTransferFeed

Represents a single feed item in the feed displayed on the detail page for a product transfer record.

ProductTransferHistory

Represents historical information about changes that have been made to the standard fields of the associated product transfer, or to any custom fields with history tracking enabled.

ProductTransferOwnerSharingRule

Represents the rules for sharing a product transfer with users other than the owner.

ProductTransferShare

Represents a sharing entry on a product transfer object.

Profile

Represents a profile, which defines a set of permissions to perform different operations, such as querying, adding, updating, or deleting information.

ProfileSkill

Represents a profile skill, which describes a user's professional knowledge. This is a global record for the organization, and users are associated through the ProfileSkillUser object.

ProfileSkillEndorsement

Represents a detail relationship of ProfileSkillUser. An endorsement of a profile skill shows approval and support of another user's publicly declared skill.

ProfileSkillEndorsementFeed

Represents a single feed item in the feed displayed on the detail page for a ProfileSkillEndorsement record. This object is available in API version 34.0 and later.

ProfileSkillEndorsementHistory

Represents the history of changes to the fields of a ProfileSkillEndorsement.

ProfileSkillFeed

Represents a single feed item in the feed displayed on the detail page for a profile skill.

ProfileSkillHistory

Represents the history of changes to the fields of a ProfileSkill.

ProfileSkillShare

Represents a sharing entry on a ProfileSkill.

ProfileSkillUser

Represents a detail relationship of User. The object connects profile skills with users.

ProfileSkillUserFeed

Represents a single feed item in the feed displayed on the detail page for a ProfileSkillUser record. This object is available in API version 34.0 and later.

ProfileSkillUserHistory

Represents the history of changes to the fields of a ProfileSkillUser.

PushTopic

QuantityForecast

Represents a quantity-based forecast.

QuantityForecastHistory

Represents historical information about quantity-based forecasts that have been submitted (saved) in the user interface.

QueueRoutingConfig

Represents the settings that determine how work items are routed to agents. This object is available in API version 32.0 and later.

Question

Represents a question in a community that users can view and reply to.

QuestionDataCategorySelection

A data category selection represents a data category that classifies a question.

QuestionReportAbuse

Represents a user-reported abuse on a Question in a Chatter Answers community. This object is available in API version 24.0 and later.

QuestionSubscription

Represents a subscription for a user following a Question. This object is available in API version 24.0 and later.

QueueSobject

Represents the mapping between a queue Group and the sObject types associated with the queue, including custom objects.

QuickText

This object stores a snippet of text that allows users to send a quick response to a customer. Use quick text to create greetings, answers to common questions, short notes, and more. This object is available in API version 24.0 and later.

QuickTextHistory

Represents changes to field values on a QuickText object. This object is available in API version 24.0 and later.

QuickTextOwnerSharingRule

Represents a rule for sharing a QuickText object with users other than the owner.

QuickTextShare

Represents a sharing entry on a QuickText object. This object is available in API version 24.0 and later.

Quote

The Quote object represents a quote, which is a record showing proposed prices for products and services. Available in API version 18.0 and later.

QuoteDocument

Represents a quote in document format. Available in API version 18.0 and later.

QuoteFeed

Represents a single feed item on the quote record detail page. This object is available in API version 39.0 and later.

QuoteLineItem

The QuoteLineItem object represents a quote line item, which is a member of the list of Product2 products associated with a Quote, along with other information about those line items on that quote. Available in API version 18.0 and later.

QuoteOwnerSharingRule

Represents a rule for sharing a Quote with users other than the owner. This object is available in API version 41.0 and later.

QuoteShare

Represents a sharing entry on a Quote. This object is available in API version 41.0 and later.

RecentlyViewed

Represents records that the current user has recently viewed or referenced (by viewing a related record).

RecordAction

Represents a relationship between a record and a flow. Create a RecordAction for every flow you want associated to a particular record. Available in API version 42.0 and later.

RecordType

Represents a record type.

RecordTypeLocalization

Represents the translated value of a label for a record type when the Translation Workbench is enabled for your organization.

Reply

Represents a reply that a user has submitted to a question in an answers community.

ReplyReportAbuse

Represents a user-reported abuse on a Reply in a Chatter Answers community. This object is available in API version 24.0 and later.

Report

Represents a report, a set of data that meets certain criteria, displayed in an organized way. Access is read-only. This object is available in API version 20.0 and later.

ReportFeed

Represents a single feed item in the feed displayed on a report. This object is available in API version 20.0 and later.

ReportTag

Associates a word or short phrase with a Report. This object is available in API version 20.0 and later.

ReputationLevel

Represents a reputation level defined for a community. This object is available in API version 32.0 and later.

ReputationLevelLocalization

Represents the translated value of a reputation level. Reputation level localization only applies for reputation levels in communities. This object is available in API version 35.0 and later.

ReputationPointsRule

Represents the reputation point rules for a community. Each rule specifies an action that community members can earn points from and the points associated with those actions in a particular community. This object is available in API version 32.0 and later.

ResourceAbsence

Represents a time period in which a service resource is unavailable to work. This object is available in API version 38.0 and later.

ResourceAbsenceFeed

Represents a single feed item on a resource absence record detail page. This object is available in API version 38.0 and later.

ResourceAbsenceHistory

Represents the history of changes made to tracked fields on a resource absence. This object is available in API version 38.0 and later.

ResourcePreference

Represents an account's preference for a specified service resource on field service work.

ResourcePreferenceFeed

Represents a single feed item on a resource preference record detail page.

ResourcePreferenceHistory

Represents the history of changes made to tracked fields on a resource preference.

ReturnOrder

Represents the return or repair of inventory or products in field service. This object is available in API version 42.0 and later.

ReturnOrderFeed

Represents a single feed item on a return order record detail page. This object is available in API version 42.0 and later.

ReturnOrderHistory

Represents the history of changes made to tracked fields on a return order. This object is available in API version 42.0 and later.

ReturnOrderLineItem

Represents a specific product that is returned or repaired as part of a return order in field service. This object is available in API version 42.0 and later.

ReturnOrderLineItemFeed

Represents a single feed item on a return order line item record detail page. This object is available in API version 42.0 and later.

ReturnOrderLineItemHistory

Represents the history of changes made to tracked fields on a return order line item. This object is available in API version 42.0 and later.

ReturnOrderOwnerSharingRule

Represents the rules for sharing a return order with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 42.0 and later.

ReturnOrderShare

Represents a sharing entry on a return order. This object is available in API version 42.0 and later.

RevenueForecast

Represents a revenue-based forecast.

RevenueForecastHistory

Represents historical information about revenue-based forecasts that have been submitted (saved) in the user interface.

RuleTerritory2Association

Represents a record-assignment rule and its association to an object, such as Account. Available only if Enterprise Territory Management has been enabled for your organization.

SamlSsoConfig

Represents a SAML Single Sign-On configuration. This object is available in API version 32.0 and later.

Scontrol

A custom s-control, which is custom content that is hosted by the system but executed by the client application.

ScontrolLocalization

The translated value of the field label for an s-control.

ScratchOrgInfo

Represents a scratch org and its audit log. Use this object to create a scratch org and keep a log of its creation and deletion. This object is available in API version 41.0 and later.

SearchPromotionRule

Represents a promoted search term, which is one or more keywords that you associate with a Salesforce Knowledge article. When a user's search query includes these keywords, the associated article is returned first in search results. This object is available in API version 31.0 and later.

SecureAgent

Represents a Secure Agent that connects Salesforce to on-premises external data sources like SharePoint 2010 and 2013. This object is available in API version 32.0 and later.

SecureAgentsCluster

Represents a cluster consisting of several Secure Agents on different servers. Clusters provide failover protection if an agent on a particular server becomes inaccessible. This object is available in API version 35.0 and later.

SecurityCustomBaseline

Provides the ability to read, create, and delete user-defined custom security baselines, which define an org's security standards. This object is available in API version 39.0 and later.

SelfServiceUser

Represents a Contact who has been enabled to use your organization's Self-Service portal, where he or she can obtain online support.

ServiceAppointment

Represents an appointment to complete field service work for a customer. This object is available in API version 38.0 and later.

ServiceAppointmentFeed

Represents a single feed item on a service appointment record detail page. This object is available in API version 38.0 and later.

ServiceAppointmentHistory

Represents the history of changes made to tracked fields on a service appointment. This object is available in API version 38.0 and later.

ServiceAppointmentOwnerSharingRule

Represents the rules for sharing a service appointment with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 38.0 and later.

ServiceAppointmentShare

Represents a sharing entry on a service appointment. This object is available in API version 38.0 and later.

ServiceAppointmentStatus

Represents a possible status of a service appointment in field service.

ServiceChannel

Represents a channel of work items that are received from your organization—for example, cases, chats, or leads. This object is available in API version 32.0 and later.

ServiceChannelStatus

Represents the status that's associated with a specific service channel. This object is available in API version 32.0 and later.

ServiceContract

Represents a customer support contract (business agreement). This object is available in API version 18.0 and later.

ServiceContractFeed

Represents a single feed item in the feed displayed on the detail page for a service contract record. This object is available in API version 23.0 and later.

ServiceContractHistory

Represents the history of changes to the values in the fields on a ServiceContract (customer support agreement). This object is available in API version 18.0 and later.

ServiceContractOwnerSharingRule

Represents the rules for sharing a ServiceContract (customer service agreement) with users other than the owner. This object is available in API version 18.0 and later.

ServiceContractShare

Represents a sharing entry on a ServiceContract (customer support agreement). This object is available in API version 18.0 and later.

ServiceCrew

Represents a group of service resources who can be assigned to service appointments as a unit.

ServiceCrewFeed

Represents a single feed item on a service crew record detail page.

ServiceCrewHistory

Represents the history of changes made to tracked fields on a service crew.

ServiceCrewMember

Represents a technician service resource that belongs to a service crew.

ServiceCrewMemberFeed

Represents a single feed item on a service crew member record detail page.

ServiceCrewMemberHistory

Represents the history of changes made to tracked fields on a service crew member.

ServiceCrewOwnerSharingRule

Represents the rules for sharing a service crew with user records other than the owner or anyone above the owner in the role hierarchy.

ServiceCrewShare

Represents a sharing entry on a service crew.

ServicePresenceStatus

Represents a presence status that can be assigned to a service channel. This object is available in API version 32.0 and later.

ServiceReport

Represents a report that summarizes a work order, work order line item, or service appointment.

ServiceReportLayout

Represents a service report template in field service.

ServiceResource

Represents a service technician or service crew in field service. This object is available in API version 38.0 and later.

ServiceResourceCapacity

Represents the maximum number of scheduled hours or number of service appointments that a capacity-based service resource can complete within a specific time period. This object is available in API version 38.0 and later.

ServiceResourceCapacityFeed

Represents a single feed item on a service resource capacity record detail page. This object is available in API version 38.0 and later.

ServiceResourceCapacityHistory

Represents the history of changes made to tracked fields on a service resource capacity record. This object is available in API version 38.0 and later.

ServiceResourceFeed

Represents a single feed item on a service resource record detail page. This object is available in API version 38.0 and later.

ServiceResourceHistory

Represents the history of changes made to tracked fields on a service resource. This object is available in API version 38.0 and later.

ServiceResourceOwnerSharingRule

Represents the rules for sharing a service resource with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 38.0 and later.

ServiceResourceShare

Represents a sharing entry on a service resource. This object is available in API version 38.0 and later.

ServiceResourceSkill

Represents a skill that a service resource possesses. This object is available in API version 38.0 and later.

ServiceResourceSkillFeed

Represents a single feed item on a service resource skill record detail page. This object is available in API version 38.0 and later.

ServiceResourceSkillHistory

Represents the history of changes made to tracked fields on a service resource skill. This object is available in API version 38.0 and later.

ServiceTerritory

Represents a geographic or functional region in which field service work can be performed. This object is available in API version 38.0 and later.

ServiceTerritoryFeed

Represents a single feed item on a service territory record detail page. This object is available in API version 38.0 and later.

ServiceTerritoryHistory

Represents the history of changes made to tracked fields on a service territory. This object is available in API version 38.0 and later.

ServiceTerritoryLocation

Represents a location associated with a particular service territory in field service.

ServiceTerritoryMember

Represents a service resource who can be assigned to service appointments in a service territory. This object is available in API version 38.0 and later.

ServiceTerritoryMemberFeed

Represents a single feed item on a service territory member record detail page. This object is available in API version 38.0 and later.

ServiceTerritoryMemberHistory

Represents the history of changes made to tracked fields on a service territory member. This object is available in API version 38.0 and later.

SessionPermSetActivation

The SessionPermSetActivation object represents a permission set assignment activated during an individual user session. When a SessionPermSetActivation object is inserted into a permission set, an activation event fires, allowing the permission settings to apply to the user's specific session. This object is available in API versions 37.0 and later.

SetupAuditTrail

Represents changes you or other admins made in your org's Setup area for at least the last 180 days. This object is available in API version 15.0 and later.

SetupEntityAccess

Represents the enabled setup entity access settings (such as for Apex classes) for the parent PermissionSet. This object is available in API version 25.0 and later.

Shipment

Represents the transport of inventory in field service.

SignupRequest

Represents a request for a new signup. This object is available in API version 27.0 and later.

Site

Represents a public website that is integrated with an org. This object is available in API version 16.0 and later.

SiteDomain

SiteDomain is a read-only object, and a one-to-many replacement for the Site.TopLevelDomain field. This object is available in API version 21.0, and has been deprecated as of API version 26.0. In API version 26.0 and later, use the Domain and DomainSite objects instead.

SiteHistory

Represents the history of changes to the values in the fields of a site. This object is generally available in API version 18.0 and later.

Skill

Represents a category or group that Live Agent users or field service resources can be assigned to. This object is available in API version 24.0 and later.

SkillProfile

Represents a join between Skill and Profile. This object is available in API version 24.0 and later.

SkillRequirement

Represents a skill that is required to complete a particular task. Skill requirements can be added to work types, work orders, and work order line items in Field Service. This object is available in API version 38.0 and later. You also can add skill requirements to work items in Omni-Channel skills-based routing using API version 42.0 and later.

SkillRequirementFeed

Represents a single feed item on a skill requirement record detail page. This object is available in API version 38.0 and later.

SkillRequirementHistory

Represents the history of changes made to tracked fields on a skill requirement. This object is available in API version 38.0 and later.

SkillUser

Represents a join between Skill and User. This object is available in API version 24.0 and later.

SlaProcess

Represents an entitlement process associated with an Entitlement. This object is available in API version 19.0 and later.

Solution

Represents a detailed description of a customer issue and the resolution of that issue.

SolutionFeed

Represents a single feed item in the feed displayed on the detail page for a solution record. This object is available in API version 18.0 and later.

SolutionHistory

Represents the history of changes to the values in the fields of a solution.

SolutionStatus

Represents the status of a Solution, such as Draft, Reviewed, and so on.

SolutionTag

Associates a word or short phrase with a Solution.

SOSDeployment

Represents the general settings for deploying SOS video call capability in a native mobile application. This object is available in API version 34.0 and later.

SOSSession

This object is automatically created for each SOS session and stores information about the session. This object is available in API versions 34.0 and later.

SOSSessionActivity

Captures information about specific events that occur during an SOS video call, such as when an SOS call begins or ends. This object is available in API version 34.0 and later.

SOSSessionHistory

This object is automatically created for each SOS session and stores information about changes made to the session. This object is available in API versions 34.0 and later.

SOSSessionOwnerSharingRule

Represents the rules for sharing an SOS session record with users other than the record owner. This object is available in API version 34.0 and later.

SOSSessionShare

Represents a sharing entry on an SOS session. This object is available in API version 34.0 and later.

Stamp

Represents a User Specialty. This object is available in API version 39.0 and later.

StampAssignment

Represents assignment of a User Specialty to a user. This object is available in API version 39.0 and later.

StaticResource

Represents a static resource that can be used in Visualforce markup.

StreamingChannel

Survey

Represents a survey.

SurveyEmailBranding

Represents the configuration settings for invitation emails sent to survey participants for a particular survey.

SurveyFeed

Represents a single item in the feed displayed on the detail page for the Survey object. This object is available in API version 42.0 and later.

SurveyInvitation

Represents the invitation sent to a participant to complete the survey.

SurveyInvitationShare

Represents a sharing entry on a SurveyInvitation object.

SurveyPage

Represents a page, such as the title page or a question page, in a survey.

SurveyQuestion

Represents a question in a survey.

SurveyQuestionChoice

Represents an answer choice that a participant can select for a survey question.

SurveyQuestionResponse

Represents a participant's answer to a specific question.

SurveyResponse

Represents information about a participant's response to a survey, such as the status of the response, the participant's location, and when the survey was completed.

SurveyShare

Represents a sharing entry on a Survey object.

SurveyVersion

Represents a version of a survey.

TabDefinition

Represents a custom tab. Returns only the tabs that the current user has access to. This object is available in API version 43.0 and later.

TagDefinition

Defines the attributes of child Tag objects.

Task

Represents a business activity such as making a phone call or other to-do items. In the user interface, Task and Event records are collectively referred to as activities.

TaskFeed

Represents a single feed item in the feed on a Task. This object is available in API version 20.0 and later.

TaskPriority

Represents the importance or urgency of a Task, such as High, Normal, or Low.

TaskRelation

Represents the relationship between a task and a lead, contacts, and other objects related to the task. If Shared Activities is enabled, this object doesn't support triggers, workflow, or data validation rules. This object is available in API version 24.0 and later.

TaskStatus

Represents the status of a Task, such as Not Started, Completed, or Closed.

TaskTag

Associates a word or short phrase with a Task.

TaskWhoRelation

Represents the relationship between a task and a lead or contacts. This object is available in API version 29.0 and later.

TenantSecret

This object stores an encrypted organization-specific key fragment that is used with the master secret to produce organization-specific data encryption keys. This object is available in API version 34.0 and later.

Territory

Represents a flexible collection of accounts and users where the users have at least read access to the accounts, regardless of who owns the accounts. Only available if territory management has been enabled for your organization.

Territory2

Represents a sales territory. Available only if Enterprise Territory Management has been enabled for your organization.

Territory2Model

Represents a territory model. Available only if Enterprise Territory Management has been enabled for your organization.

Territory2ModelHistory

Represents the history of changes to the values in the fields on a territory model. Available only if Enterprise Territory Management has been enabled for your organization.

Territory2Type

Represents a category for territories (Territory2). Every Territory2 must have a Territory2Type. Available only if Enterprise Territory Management has been enabled for your organization.

TestSuiteMembership

Associates an Apex class with an ApexTestSuite. This object is available in API version 36.0 and later.

ThirdPartyAccountLink

Represents the list of external users who authenticated using an Auth. Provider. This object is available in API version 32.0 and later.

TimeSheet

Represents a schedule of a service resource's time in field service.

TimeSheetEntry

Represents a span of time that a service resource spends on a field service task.

TimeSheetEntryFeed

Represents a single feed item on a time sheet entry record detail page.

TimeSheetEntryHistory

Represents the history of changes made to tracked fields on a time sheet entry in field service.

TimeSheetFeed

Represents a single feed item on a time sheet record detail page.

TimeSheetHistory

Represents the history of changes made to tracked fields on a time sheet in field service.

TimeSheetOwnerSharingRule

Represents the rules for sharing a time sheet with user records other than the owner or anyone above the owner in the role hierarchy.

TimeSheetShare

Represents a sharing entry on a field service time sheet.

TimeSlot

Represents a period of time on a specified day of the week during which field service work can be performed. Operating hours consist of one or more time slots. This object is available in API version 38.0 and later.

TimeSlotHistory

Represents the history of changes made to tracked fields on a time slot. This object is available in API version 38.0 and later.

Topic

Represents a topic on a Chatter post or record. This object is available in API version 28.0 and later.

TopicAssignment

Represents the assignment of a topic to a specific feed item, record, or file. This object is available in API version 28.0 and later.

TopicFeed

Represents a single feed item on a topic page. This object is available in API version 29.0 and later.

TopicLocalization—Beta

Represents the translated version of a topic name. Topic localization applies only to navigational and featured topics in communities. This object is available in API version 33.0 and later.

TopicUserEvent

Represents an action (such as comment, post, like, or share) made by a user on a topic. This object is available in API version 42.0 and later.

TransactionSecurityPolicy

Represents a transaction security policy definition.

TwoFactorInfo

Stores a user's secret for two-factor operations. Use this object when customizing two-factor authentication in your organization. This object is available in API version 32.0 and later.

TwoFactorMethodsInfo

Stores information about which identity verification methods a user has registered. This object is available in API version 37.0 and later.

TwoFactorTempCode

Stores information about a user's temporary identity verification code. This object is available in API version 37.0 and later.

UndecidedEventRelation

Represents invitees with the status `Not Responded` for a given event. This object is available in API versions 29.0 and later.

User

Represents a user in your organization.

UserAccountTeamMember

Represents a User on the default account team of another User.

UserAppInfo

Stores the last Lightning app logged in to. This object is available in API version 38.0 and later.

UserAppMenuCustomization

Represents an individual user's settings for items in the app menu or App Launcher. This object is available in API version 35.0 and later.

UserAppMenuCustomizationShare

Represents a sharing entry on a UserAppMenuCustomization record. This object is available in API version 35.0 and later.

UserAppMenuItem

Represents the organization-wide settings for items in the app menu or App Launcher that the requesting user has access to in Setup. This object is available in API version 35.0 and later.

UserConfigTransferButton

Represents the association between a Live Agent configuration and a live chat button. This association allows users associated with a specific configuration to transfer chats to a button queue.

UserConfigTransferSkill

Represents the association between a Live Agent configuration and a skill. This association allows users associated with a specific configuration to transfer chats to agents who have that skill.

UserCustomBadge

Represents a custom badge for a user. This object is available in API version 38.0 and later.

UserCustomBadgeLocalization

Represents the translated version of a custom badge for a user. This object is available in API version 38.0 and later.

UserDevice

Represents information unique to a device. Available in API version 43.0 and later.

UserDeviceApplication

Represents information on applications installed on a device that is accessing Salesforce. Available in API version 43.0 and later.

UserFeed

Represents a single feed item in the feed displayed on a Chatter user profile feed. A user profile feed shows changes to a user record for fields that are tracked in feeds, and posts and comments about the record. This object is available in API version 18.0 and later.

UserLicense

Represents a user license in your organization. A user license entitles a user to specific functionality and determines the profiles and permission sets available to the user.

UserListView

Represents the customizations a user made to a list view. This object is available in API version 32.0 and later.

UserListViewCriterion

Represents the criterion for a user's customized list view. The criterion consists of the filters or sort order a user added to a list view for the Salesforce Mobile app. This object is available in API version 32.0 and later.

UserLogin

Represents the settings that affect a user's ability to log into an organization. To access this object, you need the `UserPermissions.ManageUsers` permission. This object is available in API version 29.0 and later.

UserMembershipSharingRule

Represents the rules for sharing user records from a source group to a target group. A user record contains details about a user. Users who are members of the source group can be shared with members of the target group. The source and target groups can be based on roles, portal roles, public groups, or territories. This object is available in API version 26.0 and later.

UserPackageLicense

Represents a license for an installed managed package, assigned to a specific user. This object is available in API version 31.0 and later.

UserPermissionAccess

Represents the permissions accessibility for a current user. Available in API version 41.0 and later.

UserPreference

Represents a functional preference for a specific user in your organization.

UserProfile

Represents a Chatter user profile.

UserProfileFeed

Represents a user profile feed, which tracks all actions by a user on records that can be tracked in a feed. This feed is displayed on the user profile page.

UserProvAccount

Represents information that links a Salesforce user account with an account in a third-party (target) system, such as Google, for users of connected apps with Salesforce user provisioning enabled. This object is available in API version 33.0 and later.

UserProvAccountStaging

Temporarily stores user account information while a user completes the User Provisioning Wizard. This information that is stored in the UserProvAccount object when you click the button to collect and analyze accounts on the target system.

UserProvMockTarget

Represents an entity for testing user data before committing the data to a third-party system for user provisioning.

UserProvisioningConfig

Represents information for a flow to use during a user provisioning request process, such as the attributes for an update. This object is available in API version 34.0 and later.

UserProvisioningLog

Represents messages generated during the process of provisioning users for third-party applications. This object is available in API version 33.0 and later.

UserProvisioningRequest

Represents an individual provisioning request to create, update, or delete a single user account in a third-party service system (or another Salesforce organization). This object is available in API version 33.0 and later.

UserProvisioningRequestOwnerSharingRule

Represents a rule for sharing a UserProvisioningRequest object with users other than the owner. This object is available in API version 34.0 and later.

UserProvisioningRequestShare

Represents a sharing entry on a UserProvisioningRequest record. This object is available in API version 34.0 and later.

UserRecordAccess

Represents a user's access to a set of records. This object is read only and is available in API version 24.0 and later.

UserRole

Represents a user role in your organization.

UserServicePresence

Represents a presence user's real-time presence status. This object is available in API version 32.0 and later.

UserShare

Represents a sharing entry on a user record. This object is available in API version 26.0 and later.

UserTeamMember

Represents a single User on the default opportunity team of another User.

UserTerritory

Represents a User who has been assigned to a Territory.

UserTerritory2Association

Represents an association (by assignment) between a territory and a user record. Available only if Enterprise Territory Management has been enabled for your organization.

VerificationHistory

Represents the past six months of your org users' attempts to verify their identity. This object is available in API version 36.0 and later.

VisualforceAccessMetrics

Represents summary statistics for Visualforce pages.

VoiceCall

Represents a Lightning Dialer phone call.

VoiceCallList

Represents a prioritized list of numbers to call.

VoiceCallListItem

Represents a single phone number in a prioritized call list.

VoiceCallListShare

Represents a sharing entry on a VoiceCallList.

VoiceCallShare

Represents a sharing entry on a VoiceCall object.

VoiceCoaching

Represents a call that is using call monitoring.

VoiceCoachingShare

Represents a sharing entry on a VoiceCoaching record.

VoiceLocalPresenceNumber

Represents a phone number with the same area code as the person who's being called.

VoiceMailContent

Represents a voicemail message left by a caller to the context user.

VoiceMailContentShare

Represents a sharing entry on a VoiceMailContent.

VoiceMailGreeting

Represents a custom greeting message that plays upon reaching a user's voicemail. This object is available in API version 41.0 and later.

VoiceMailGreetingShare

Represents a sharing entry on a VoiceMailGreeting. This object is available in API version 41.0 and later.

VoiceMailMessage

Represents a prerecorded voicemail message.

VoiceMailMessageShare

Represents a sharing entry on a VoiceMailMessage.

VoiceUserLine

Represents a user's forwarding phone number.

VoiceUserLineShare

Represents a sharing entry on a user's phone number.

VoiceUserPreferences

Represents the number the user displays when making outbound calls. This object is available in API version 41.0 and later.

VoiceUserPreferencesShare

Represents a sharing entry on a VoiceUserPreferences object. This object is available in API version 41.0 and later.

VoiceVendorInfo

Represents information about the Lightning Dialer provider's vendor.

VoiceVendorLine

Represents a user's phone number reserved with the vendor.

VoiceVendorLineShare

Represents a sharing entry on a vendor's phone number.

Vote

Represents a vote that a user has made on an Idea or a Reply.

WebLink

Represents a custom link to a URL or Scontrol.

WebLinkLocalization

Represents the translated value of the field label for a custom link to a URL or s-control when the Translation Workbench is enabled for your organization.

WorkAccess

Used to grant or restrict user access to give badge definitions. Each badge definition record must have one WorkAccess record.

WorkAccessShare

Used to control Givers of WorkBadgeDefinition records.

WorkBadge

Represents information about who the badge was given to and which badge was given. A WorkBadge record is created for each recipient of a WorkBadgeDefinition.

WorkBadgeDefinition

Represents the attributes of a badge including the badge name, description, and image. Each WorkBadge record must have a lookup to a WorkBadgeDefinition since badge attributes (like badge name) are derived from the WorkBadgeDefinition object.

WorkBadgeDefinitionHistory

Represents the history of changes to the values in the fields of a WorkBadgeDefinition object.

WorkBadgeDefinitionShare

Represents a sharing entry on a WorkBadgeDefinition object.

WorkCoaching

Represents a single coaching relationship between two users. One of the users is defined as the coach and the other is defined as a coachee. WorkCoaching is feed-enabled so there is a private feed available to the coach and coachee.

WorkCoachingFeed

Represents a single feed item in the feed on the detail page for a coaching record.

WorkCoachingHistory

Represents the history of changes to the values in the fields of a WorkCoaching object.

WorkCoachingShare

Represents a sharing entry on a WorkCoaching object.

WorkFeedback

Represents the answer to a question that a person was asked via a feedback request. Also used to store offered feedback without linking it to a particular question.

WorkFeedbackHistory

Represents the history of changes to the values in the fields of a WorkFeedback object. Access is read-only.

WorkFeedbackQuestion

Represents a free-form text type or multiple choice question within a set of questions.

WorkFeedbackQuestionHistory

Represents the history of changes to the values in the fields of a WorkFeedbackQuestion.

WorkFeedbackQuestionSet

Represents a set of questions being asked. The question set is used to link all the individual requests where different recipients were asked the same set of questions on the same subject.

WorkFeedbackQuestionSetHistory

Represents the history of changes to the values in the fields of a WorkFeedbackQuestionSet object. Access is read-only.

WorkFeedbackQuestionSetShare

Represents a sharing entry on a WorkFeedbackQuestionSet.

WorkFeedbackQuestionShare

Represents a sharing entry on a WorkFeedbackQuestion.

WorkFeedbackRequest

Represents a single feedback request on a subject or topic (question) to a single recipient in the feedback application. In the case of offered feedback, WorkFeedbackRequest represents feedback that is offered about a subject. In the performance application, WorkFeedbackRequest represents a request for feedback on a set of questions from a question set, on a subject—for the recipient to complete and submit.

WorkFeedbackRequestFeed

Represents a single feed item in the feed displayed on the feedback request detail page.

WorkFeedbackRequestHistory

Represents the history of changes to the values in the fields of a WorkFeedbackRequest.

WorkFeedbackRequestShare

Represents a sharing entry on a WorkFeedbackRequest.

WorkFeedbackShare

Represents a sharing entry on a WorkFeedback object.

WorkGoal

Represents the components of a goal, such as its description and associated metrics. This object has been deprecated as of API version 35.0. Use the Goal object to query information about Work.com goals.

WorkGoalCollaborator

Represents collaborators on a WorkGoal object. This doesn't include WorkGoal followers, which is handled by Chatter Feed Follow functionality. This object has been deprecated as of API version 35.0. Use the Goal object to query information about Work.com goals.

WorkGoalCollaboratorHistory

Represents the history of changes to the values in the fields in a WorkGoalCollaborator object. Access is read-only.

WorkGoalFeed

Represents a single feed item in the feed displayed on the goal page for a Goal record. The goal feed shows changes to a goal for fields that are tracked in feeds, posts, and comments about the goal, and updates on metrics. This object has been deprecated as of API version 35.0. Use the GoalFeed object to query information about feed items for Work.com goals.

WorkGoalHistory

Represents the history of changes to the values in the fields of a WorkGoal. Access is read-only. This object has been deprecated as of API version 35.0. Use the GoalHistory object to query historical information for Work.com goals.

WorkGoalLink

Represents the relationship between two goals (many to many relationship). This object has been deprecated as of API version 35.0. Use the GoalLink object to query information about the relationship between two Work.com goals.

WorkGoalShare

Represents a sharing entry on a WorkGoal object. This object has been deprecated as of API version 35.0. Use the GoalShare object to query information about sharing for Work.com goals.

WorkOrder

Represents field service work to be performed for a customer. This object is available in API version 36.0 and later.

WorkOrderFeed

Represents a single feed item on a work order record detail page. This object is available in API version 36.0 and later.

WorkOrderHistory

Represents the history of changes made to tracked fields on a work order. This object is available in API version 36.0 and later.

WorkOrderLineItem

Represents a subtask on a work order in field service. This object is available in API version 36.0 and later.

WorkOrderLineItemFeed

Represents a single feed item on a work order line item record detail page. This object is available in API version 36.0 and later.

WorkOrderLineItemHistory

Represents the history of changes made to tracked fields on a work order line item. This object is available in API version 36.0 and later.

WorkOrderLineItemStatus

Represents a possible status of a work order line item in field service.

WorkOrderShare

Represents a sharing entry on a work order. This object is available in API version 36.0 and later.

WorkOrderStatus

Represents a possible status of a work order in field service.

WorkPerformanceCycle

Represents feedback that is gathered to assess the performance of a specific set of employees.

WorkPerformanceCycleFeed

Represents a single feed item in the feed that is displayed on a Work.com Performance detail page.

WorkPerformanceCycleHistory

Represents the history of changes to the values in the fields of a WorkPerformanceCycle object.

WorkPerformanceCycleShare

Represents a sharing entry on a WorkPerformanceCycle object.

WorkReward

Used to store reward codes tied to a Reward Fund. Reward Funds must have at least one WorkReward record.

WorkRewardFund

Represents a Reward Fund and describes the Reward Fund attributes.

WorkRewardFundHistory

Represents the history of changes to the values in the fields of a WorkRewardFund object.

WorkRewardFundShare

Share records for WorkRewardFund.

WorkRewardFundType

Represents the type of WorkRewardFund object.

WorkRewardFundTypeHistory

Represents the history of changes to the values in the fields of a WorkRewardFundType object.

WorkRewardFundTypeShare

Represents a sharing entry on a WorkRewardFundType.

WorkRewardHistory

Represents the history of changes to the fields of a WorkReward.

WorkRewardShare

Share records for WorkReward object.

WorkThanks

Represents the source and message of a thanks post.

WorkThanksShare

Share records for WorkThanks object.

WorkType

Represents a type of work to be performed. Work types are templates that can be applied to work order or work order line items. This object is available in API version 38.0 and later.

WorkTypeFeed

Represents a single feed item on a work type record detail page. This object is available in API version 38.0 and later.

WorkTypeHistory

Represents the history of changes made to tracked fields on a work type. This object is available in API version 38.0 and later.

WorkTypeOwnerSharingRule

Represents the rules for sharing a work type with user records other than the owner or anyone above the owner in the role hierarchy.

WorkTypeShare

Represents a sharing entry on a work type.

AcceptedEventRelation

Represents invitees with the status `Accepted` for a given event.

This object is available in API versions 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`EventId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the event.
`RelationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the invitee.
`RespondedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the most recent date and time when the invitee accepted an invitation to the event.
`Response`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates the content of the response field. Label is `Comment`.
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates whether the invitee is a user, lead or contact, or resource.

Usage

Query invitees who have accepted an invitation to an event

```
SELECT eventId, type, response FROM AcceptedEventRelation WHERE eventid='00UTD000000ZH5LA'
```

SEE ALSO:

DeclinedEventRelation

UndecidedEventRelation

Account

Represents an individual account, which is an organization or person involved with your business (such as customers, competitors, and partners).

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `merge()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can access their own accounts and any account shared with them.

Fields

Field Name	Details
`AccountNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Account number assigned to this account (not the unique, system-generated ID assigned during creation). Maximum size is 40 characters.
`AccountSource`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The source of the account record. For example, *`Advertisement`*, *`Data.com`*, or *`Trade Show`*. The source is selected from a picklist of available values, which are set by an administrator. Each picklist value can have up to 40 characters.

Field Name	Details
AnnualRevenue	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Estimated annual revenue of the account.
BillingAddress	**Type** address **Properties** Filter, Nillable **Description** The compound form of the billing address. Read-only. See Address Compound Fields for details on compound address fields.
BillingCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address of this account. Maximum size is 40 characters.
BillingCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address of this account. Maximum size is 80 characters.
BillingCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the account's billing address.
BillingGeocodeAccuracy	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable

Field Name	Details
	Description Accuracy level of the geocode for the billing address. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`BillingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLongitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`BillingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLatitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`BillingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address of this account. Maximum size is 20 characters.
`BillingState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address of this account. Maximum size is 80 characters.
`BillingStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the account's billing address.

Field Name	Details
`BillingStreet`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street address for the billing address of this account.
`ChannelProgramName`	**Type** string **Properties** Group, Nillable **Description** Read only. Name of the channel program the account has enrolled. Note: If this account has enrolled more than one channel program, the oldest channel program name will be displayed. .
`ChannelProgramLevelName`	**Type** string **Properties** Group, Nillable **Description** Read only. Name of the channel program level the account has enrolled. Note: If this account has enrolled more than one channel program level, the oldest channel program name will be displayed.
`CleanStatus`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the record's clean status as compared with Data.com. Values are: `Matched`, `Different`, `Acknowledged`, `NotFound`, `Inactive`, `Pending`, `SelectMatch`, or `Skipped`. Several values for `CleanStatus` display with different labels on the account record detail page. • `Matched` displays as `In Sync` • `Acknowledged` displays as `Reviewed` • `Pending` displays as `Not Compared`

Field Name	Details
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Text description of the account. Limited to 32,000 KB.
`DunsNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The Data Universal Numbering System (D-U-N-S) number is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. D-U-N-S numbers are used by industries and organizations around the world as a global standard for business identification and tracking. Maximum size is 9 characters. This field is available on business accounts, not person accounts. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.
`Fax`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Fax number for the account.
`Industry`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An industry associated with this account. Maximum size is 40 characters.
`IsCustomerPortal`	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether the account has at least one contact enabled to use the organization's Customer Portal (`true`) or not (`false`). This field is available if Customer Portal is enabled OR Communities is enabled and you have Customer Portal licenses. If you change this field's value from `true` to `false`, you can disable up to 100 Customer Portal users associated with the account and permanently delete all of the account's Customer Portal roles and groups. You can't restore deleted Customer Portal roles and groups. This field can be updated in API version 16.0 and later. Tip: We recommend that you update up to 50 contacts simultaneously when changing the accounts on contacts enabled for a Customer Portal or partner portal. We also recommend that you make this update after business hours.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPartner`	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether the account has at least one contact enabled to use the organization's partner portal (`true`) or not (`false`). This field is available if partner relationship

Field Name	Details
	management (partner portal) is enabled OR Communities is enabled and you have partner portal licenses. If you change this field's value from `true` to `false`, you can disable up to 15 partner portal users associated with the account and permanently delete all of the account's partner portal roles and groups. You can't restore deleted partner portal roles and groups. Disabling a partner portal user in the Salesforce user interface or the API does not change this field's value from `true` to `false`. Even if this field's value is `false`, you can enable a contact on an account as a partner portal user via the API. This field can be updated in API version 16.0 and later. Tip: We recommend that you update up to 50 contacts simultaneously when changing the accounts on contacts enabled for a Customer Portal or partner portal. We also recommend that you make this update after business hours.
`IsPersonAccount`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Read only. Label is **Is Person Account**. Indicates whether this account has a record type of Person Account (`true`) or not (`false`).
`Jigsaw`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** References the ID of a company in Data.com. If an account has a value in this field, it means that the account was imported from Data.com. If the field value is `null`, the account was not imported from Data.com. Maximum size is 20 characters. Available in API version 22.0 and later. Label is **Data.com Key**. This field is available on business accounts, not person accounts. Important: The `Jigsaw` field is exposed in the API to support troubleshooting for import errors and reimporting of corrected data. Do not modify the value in the `Jigsaw` field.
`LastActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Value is one of the following, whichever is the most recent:

Field Name	Details
	• Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`MasterRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** If this object was deleted as the result of a merge, this field contains the ID of the record that was kept. If this object was deleted for any other reason, or has not been deleted, the value is `null`.
`NaicsCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The six-digit North American Industry Classification System (NAICS) code is the standard used by business and government to classify business establishments into industries, according to their economic activity for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. Maximum size is 8 characters. This field is available on business accounts, not person accounts. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.
`NaicsDesc`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on its NAICS code. Maximum size is 120 characters. This field is available on business accounts, not person accounts. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Label is **Account Name**. Name of the account. Maximum size is 255 characters. If the account has a record type of Person Account: • This value is the concatenation of the `FirstName`, `MiddleName`, `LastName`, and `Suffix` of the associated person contact. • You can't modify this value.
`NumberOfEmployees`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Label is **Employees**. Number of employees working at the company represented by this account. Maximum size is eight digits.
`OperatingHoursId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The operating hours associated with the account. Available only if Field Service Lightning is enabled.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who currently owns this account. Default value is the user logged in to the API to perform the create.

Field Name	Details
	If you have set up account teams in your organization, updating this field has different consequences depending on your version of the API: • For API version 12.0 and later, sharing records are kept, as they are for all objects. • For API version before 12.0, sharing records are deleted. • For API version 16.0 and later, users must have the "Transfer Record" permission in order to update (transfer) account ownership using this field.
`Ownership`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Ownership type for the account, for example Private, Public, or Subsidiary.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the parent object, if any.
`PersonIndividualId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the data privacy record associated with this person's account. This field is available if you enabled Data Protection and Privacy in Setup. Available in API version 42.0 and later.
`Phone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Phone number for this account. Maximum size is 40 characters.
`PhotoUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Path to be combined with the URL of a Salesforce instance (for example, https://*yourInstance*.salesforce.com/) to generate a URL to request the social network profile image associated with the account. Generated URL returns an HTTP redirect (code 302) to the social network profile image for the account. Blank if Social Accounts and Contacts isn't enabled for the organization or if Social Accounts and Contacts is disabled for the requesting user.
`Rating`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account's prospect rating, for example Hot, Warm, or Cold.
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
`Salutation`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Honorific added to the name for use in letters, etc.
`ShippingAddress`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the shipping address. Read-only. See Address Compound Fields for details on compound address fields.
`ShippingCity`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Details of the shipping address for this account. City maximum size is 40 characters
`ShippingCountry`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details of the shipping address for this account. Country maximum size is 80 characters.
`ShippingCountryCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the account's shipping address.
`ShippingGeocodeAccuracy`	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable **Description** Accuracy level of the geocode for the shipping address. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`ShippingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLongitude` to specify the precise geolocation of a shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`ShippingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLatitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.

Field Name	Details
ShippingPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details of the shipping address for this account. Postal code maximum size is 20 characters.
ShippingState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details of the shipping address for this account. State maximum size is 80 characters.
ShippingStateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the account's shipping address.
ShippingStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street address of the shipping address for this account. Maximum of 255 characters.
Sic	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Standard Industrial Classification code of the company's main business categorization, for example, 57340 for Electronics. Maximum of 20 characters. This field is available on business accounts, not person accounts.
SicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of an organization's line of business, based on its SIC code. Maximum length is 80 characters. This field is available on business accounts, not person accounts.
`Site`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the account's location, for example `Headquarters` or `London`. Label is **Account Site**. Maximum of 80 characters.
`TickerSymbol`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The stock market symbol for this account. Maximum of 20 characters. This field is available on business accounts, not person accounts.
`Tradestyle`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A name, different from its legal name, that an organization may use for conducting business. Similar to "Doing business as" or "DBA". Maximum length is 255 characters. This field is available on business accounts, not person accounts. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Type of account, for example, Customer, Competitor, or Partner.
`Website`	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The website of this account. Maximum of 255 characters.
`YearStarted`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date when an organization was legally established. Maximum length is 4 characters. This field is available on business accounts, not person accounts. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.

IsPersonAccount Fields

These fields are the subset of person account fields that are contained in the child person contact record of each person account. If the `IsPersonAccount` field has the value `false`, the following fields have a null value and can't be modified. If `true`, the fields can be modified.

Person accounts are not enabled by default.

Field Name	Details
`FirstName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** First name of the person for a person account. Maximum size is 40 characters.
`LastName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Last name of the person for a person account. Required if the record type is a person account record type. Maximum size is 80 characters.
`MiddleName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Middle name of the person for a person account. Maximum size is 40 characters. Contact Salesforce Customer Support to enable this field.
`PersonAssistantName`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The person account's assistant name. Label is **Assistant**. Maximum size is 40 characters.
`PersonAssistantPhone`	**Type** phone **Properties** Create, Filter, Nillable, Update **Description** The person account's assistant phone. Label is **Asst. Phone**. Maximum size is 40 characters.

`PersonBirthDate`	**Type**
	date
	Properties
	Create, Filter, Nillable, Update
	Description
	The assistant name. Label is **Birthdate**.
	Note: The year portion of the `PersonBirthDate` field is ignored in filter criteria, including report filters, list view filters, and SOQL queries. For example, the following SOQL query returns person accounts with birthdays later in the year than today:
	`SELECT FirstName, LastName, PersonBirthDate`
	`FROM Account`
	`WHERE Birthdate > TODAY`

`PersonContactId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID for the contact associated with this person account. Label is **Contact ID**.
`PersonDepartment`	**Type** string

Field Name	Details
	Properties Create, Filter, Nillable, Update **Description** The department. Label is **Department**. Maximum size is 80 characters.
`PersonEmail`	**Type** email **Properties** Create, Filter, Nillable, Update **Description** Email address for thisperson account. Label is **Email**.
`PersonEmailBouncedDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Update **Description** If bounce management is activated and an email sent to the person account bounces, the date and time the bounce occurred.
`PersonEmailBouncedReason`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** If bounce management is activated and an email sent to the person account bounces, the reason the bounce occurred
`PersonHasOptedOutOfEmail`	**Type** boolean **Properties** Create, Filter, Nillable, Update **Description** Indicates whether the person account has opted out of email (`true`) or not (`false`). Label is **Email Opt Out**.
`PersonHomePhone`	**Type** phone **Properties** Create, Filter, Nillable, Update **Description** The home phone number for this person account. Label is **Home Phone**.

Field Name	Details
PersonLeadSource	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** The person account's lead source. Label is **Lead Source**.
PersonMailingAddress	**Type** address **Properties** Filter, Nillable **Description** The compound form of the person account mailing address. Read-only. See Address Compound Fields for details on compound address fields.
PersonMailingCity	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details about the person account's mailing city. Labels are **Mailing City**, **Mailing Country**, **Postal Code**, and **State**. Maximum size for city and country is 40 characters. Maximum size for postal code and state is 20 characters.
PersonMailingGeocodeAccuracy	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable **Description** Accuracy level of the geocode for the person's mailing address. See Compound Field Considerations and Limitations for details on geolocation compound fields.
PersonMailingLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `PersonMailingLongitude` to specify the precise geolocation of a person account's mailing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.

Field Name	Details
PersonMailingLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with PersonMailingLatitude to specify the precise geolocation of a person account's mailing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations on page 13 for details on geolocation compound fields.
PersonMailingStreet	**Type** textarea **Properties** Create, Filter, Nillable, Update **Description** The mailing street address for this person account. Label is **Mailing Street**. Maximum size is 255 characters.
PersonMobilePhone	**Type** phone **Properties** Create, Filter, Nillable, Update **Description** The mobile phone number for this person account. Label is **Mobile**.
• PersonOtherCity • PersonOtherCountry • PersonOtherPostalCode • PersonOtherState	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details about the alternate address for this person account. Labels are **Other City**, **Other Country**, **Other Zip/Postal Code**, and **Other State**.
• PersonOtherCountryCode • PersonOtherStateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country or state code for the alternate address of the person account.
PersonOtherLatitude	**Type** double

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** Used with `PersonOtherLongitude` to specify the precise geolocation of a person account's alternate address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`PersonOtherLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `PersonOtherLatitude` to specify the precise geolocation of a person account's alternate address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields.
`PersonOtherPhone`	**Type** phone **Properties** Create, Filter, Nillable, Update **Description** The alternate phone number for this person account. Label is **Other Phone**.
`PersonOtherStreet`	**Type** textarea **Properties** Create, Filter, Nillable, Update **Description** The person account's alternate street address. Label is **Other Street**.
`PersonTitle`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The person account's title. Label is **Title**. Maximum size is 80 characters.
`Suffix`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Name suffix of the person for a person account. Maximum size is 40 characters. Contact Salesforce Customer Support to enable this field.

Note: If you are importing Account data into Salesforce and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself.

Usage

Use this object to query and manage accounts in your organization. Client applications can create, update, delete, or query Attachment records associated with an account via the API.

Client applications can also create or update account objects by converting a Lead via the `convertLead()` call.

If the values in the IsPersonAccount Fields are not null, you can't change `IsPersonAccount` to `false`, or an error occurs.

SEE ALSO:

AccountShare

AccountTeamMember

AccountHistory

AccountBrand

Represents the brand details of a Partner Account. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObject()`, `getDeleted()`, `getUpdated()` `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field	Details
`AccountId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** ID of the Account. This number is unique within your organization.
`Address`	**Type** address **Properties** Filter, Nillable **Description** The street address.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city.
`CompanyName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The name of the company associated with the account brand.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country where the account is physically located.
`Email`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Email address associated with the account.
`GeocodeAccuracy`	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist Sort, Update **Description** Stores data for accurate geocoded location.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Most recent date referenced.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Most recent date viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used in conjunction with `Longitude`to specify the precise geolocation of an address.
`LogoId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the logo.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used in conjunction with `Latitude`to specify the precise geolocation of an address.
`Name`	**Type** string

Field	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** Required. Name of the account.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create Filter, Group, Sort, Update **Description** Required. ID of the Owner.
`Phone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Phone number.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code where the user's IP address is physically located.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address state.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address street.
`Website`	**Type** url

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Website for the Account Brand.

AccountBrandShare

Represents a sharing entry on an account brand record. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the account brand record with them.

Field Name	Details
	• `Owner`—The user is the owner of the channel program record or is in a role above the account brand record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the account brand record.

AccountContactRelation

Represents a relationship between a contact and one or more accounts.

This object is available in API version 37.0. The AccountContactRelation object supports person accounts. That means that a person account can be either a related contact on a business account or a related account on a contact. A person account can also be related to another person account as either a related contact or related account.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Fields

Field Name	Details
`AccountContactRelationshipCurrency`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description ID of the account that is related to the contact. Field can't be modified when updating existing account-contact relationship records.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the contact that is related to the account. Field can't be modified when updating existing account-contact relationship records.
`EndDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date a relationship between a contact and account ended. Use with the `Start Date` to keep a history of the relationship.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether relationship is active (`true`) or not (`false`).
`IsDirect`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the account associated with the contact is the contact's primary account (`true`) or not (`false`).
`Roles`	**Type** multipicklist **Properties** Create, Filter, Nillable, Update **Description** The contact’s participating role in the account. Values are `Business User`, `Decision Maker`, `Economic Buyer`, `Economic Decision`

Field Name	Details
	Maker, Evaluator, Executive Sponsor, Influencer, Technical Buyer, and Other.
StartDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date a relationship between a contact and account began. Use with the End Date to keep a history of the relationship.

Usage

Use this object to associate a single contact record to multiple account records so you can easily track the relationships between the people and businesses they work with.

AccountCleanInfo

Stores the metadata Data.com Clean uses to determine an account record's clean status. AccountCleanInfo helps you automate the cleaning or related processing of account records.

Account Clean Info provides a snapshot of the data in your Salesforce account record and its matched Data.com record at the time the Salesforce record was cleaned.

Account Clean Info includes a number of bit vector fields, whose component fields each correspond to individual object fields and provide related data or status information about those fields. For example, the bit vector field `IsDifferent` has an `IsDifferentState` field. If the `IsDifferentState` field's value is `False`, that means the `State` field value is *the same* on the Salesforce account record and its matched Data.com record.

AccountCleanInfo bit vector fields include:

- `CleanedBy` indicates who (a user) or what (a Clean job) cleaned the account record.
- `IsDifferent` indicates whether or not a field on the account record has a value that differs from the corresponding field on the matched Data.com record.
- `IsFlaggedWrong` indicates whether or not a field on the account record has a value that is flagged as wrong to Data.com.
- `IsReviewed` indicates whether or not a field on the account record is in a `Reviewed` state, which means that the value was reviewed but not accepted.

Their individual bits are defined here.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
AccountId	**Type** reference **Properties** Filter, Group, Sort **Description** The unique, system-generated ID assigned when the account record was created.
AccountSite	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Information about the account's location, such as single location, headquarters, or branch.
Address	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
AnnualRevenue	**Type** currency **Properties** Filter, Nillable, Sort **Description** Estimated annual revenue of the account.
City	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the account.
CleanedByJob	**Type** boolean

Field Name	Details
	Properties Filter **Description** Indicates whether the account record was cleaned by a Data.com Clean job (`true`) or not (`false`).
`CleanedByUser`	**Type** boolean **Properties** Filter **Description** Indicates whether the account record was cleaned by a Salesforce user (`true`) or not (`false`).
`CompanyName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the company.
`CompanyStatusDataDotCom`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The status of the company per Data.com. Values are: `Company is In Business per Data.com` or `Company is Out of Business per Data.com.`
`Country`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the account.
`DandBCompanyDunsNumber`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The D-U-N-S Number on the D&B Company record (if any) that is linked to the account.
DataDotComId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID Data.com maintains for the company.
Description	**Type** textarea **Properties** Nillable **Description** A description of the account.
DunsNumber	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The Data Universal Numbering System (D-U-N-S) number is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. D-U-N-S numbers are used by industries and organizations around the world as a global standard for business identification and tracking.
DunsRightMatchConfidence	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The account's DUNSRight confidence code.
DunsRightMatchGrade	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The account's DUNSRight match grade.

Field Name	Details
`Fax`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The account's fax number.
`Industry`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The industry the account belongs to.
`IsDifferentAccountSite`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `AccountSite` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentAnnualRevenue`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `AnnualRevenue` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCity`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `City` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCompanyName`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the account's `AccountName` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountry`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Country` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountryCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Country Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentDandBCompanyDunsNumber`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `DandBCompanyID` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentDescription`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Description` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentDunsNumber`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the account's `DunsNumber` field value is different from the D-U-N-S Number on its matched Data.com record (`true`) or not (`false`).
`IsDifferentFax`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Fax` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentIndustry`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Industry` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentNaicsCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `NaicsCode` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentNaicsDescription`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `NaicsDescription` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentNumberOfEmployees`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the account's `NumberOf Employees` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentOwnership`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Ownership` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPhone`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Phone` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPostalCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `PostalCode` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentSic`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Sic` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentSicDescription`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the account's `SicDescription` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentState`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `State` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentStateCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `State Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentStreet`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `State` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentTickerSymbol`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `TickerSymbol` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentTradestyle`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the account's `Tradestyle` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentWebsite`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Website` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentYearStarted`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `YearStarted` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsFlaggedWrongAccountSite`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `AccountSite` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongAddress`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Address` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongAnnualRevenue`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `AnnualRevenue` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongCompanyName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `CompanyName` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Description` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `DunsNumber` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongFax`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Fax` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongIndustry`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Industry` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongNaicsCode`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NaicsCode` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongNaicsDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NaicsDescription` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongNumberOfEmployees`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NumberOfEmployees` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongOwnership`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Ownership` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongPhone`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Phone` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongSic`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Sic` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongSicDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `SicDescription` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongTickerSymbol`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `TickerSymbol` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongTradestyle`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Tradestyle` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongWebsite`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Website` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongYearStarted`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `YearStarted` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsInactive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the account has been reported to Data.com as *`Inactive`* (`true`) or not (`false`).
`IsReviewedAccountSite`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `AccountSite` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedAddress`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Address` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedAnnualRevenue`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `AnnualRevenue` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedCompanyName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `CompanyName` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedDandBCompanyDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `DandBCompanyID` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Description` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `DunsNumber` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedFax`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Fax` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedIndustry`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Industry` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedNaicsCode`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NaicsCode` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedNaicsDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NaicsDescription` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedNumberOfEmployees`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `NumberOfEmployees` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedOwnership`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Ownership` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedPhone`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Phone` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedSic`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Sic` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedSicDescription`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `SicDescription` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedTickerSymbol`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `TickerSymbol` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedTradestyle`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the account's `Tradestyle` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedWebsite`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `Website` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedYearStarted`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the account's `YearStarted` field value is in a `Reviewed` state (`true`) or not (`false`).
`LastMatchedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The date the account record was last matched and linked to a Data.com record.
`LastStatusChangedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of who or what last changed the record's `Clean Status` field value: a Salesforce user or a Clean job.
`LastStatusChangedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date on which the record's `Clean Status` field value was last changed.

Field Name	Details
`Latitude`	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Longitude` to specify the precise geolocation of a billing address. Data not currently provided.
`Longitude`	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Latitude` to specify the precise geolocation of a billing address. Data not currently provided.
`NaicsCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The six-digit North American Industry Classification System (NAICS) code is the standard used by business and government to classify business establishments into industries, according to their economic activity for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy.
`NaicsDescription`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A brief description of an organization's line of business, based on its NAICS code.
`Name`	**Type** string **Properties** Filter, Group, Sort, Update **Description** Field label is **Account Clean Info Name**. The name of the account. Maximum size is 255 characters.

Field Name	Details
`NumberOfEmployees`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of employees working at the account.
`Ownership`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Ownership type for the account, for example Private, Public, or Subsidiary.
`Phone`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The phone number for the account.
`PostalCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the account.
`Sic`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Standard Industrial Classification code of the company's main business categorization, for example, 57340 for Electronics.
`SicDescription`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description A brief description of an organization's line of business, based on its SIC code.
`State`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the account.
`Street`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the account.
`TickerSymbol`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The stock market symbol for the account.
`Tradestyle`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A name, different from its legal name, that an organization can use for conducting business. Similar to "Doing business as" (DBA).
`Website`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The website of the account.
`YearStarted`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The year the company was established or the year when current ownership or management assumed control of the company.

Usage

Administrators can modify a limited set of AccountCleanInfo fields from the Account Clean Info page.

Developers can create triggers that read the Account Clean Info fields to help automate the cleaning or related processing of account records. For example, you might create a trigger that reads the `Clean Status` field on the Account object. If an account record's `Clean Status` field value is `Different` but the record has no `Billing Street` value, the trigger could update the record's status to `Not Compared`.

Create triggers that read AccountCleanInfo fields to help automate the cleaning or related processing of account records. For example:

- Keep account records' status `InSync` if the only difference from matched records is the `Phone` format (for example, *`(415) 353-8000`* on the account record versus *`415 353 8000`* on the matched Data.com record).

```
trigger AccountPhoneTrigger on Account (before update) {

   for (Account account: Trigger.new) {
       Account oldAccount = Trigger.oldMap.get(account.ID);
       if (account.CleanStatus == 'Different') {
           List <AccountCleanInfo> cleanInfo = [Select Id, IsDifferentPhone,
IsReviewedPhone, Phone from AccountCleanInfo where AccountId = :account.Id];
           if (cleanInfo.size() > 0 && cleanInfo[0].IsDifferentPhone &&
cleanInfo[0].Phone.StartsWith('+')) {
               // if Data.com phone number is marked Different but starts with '+',
ignore this
               // and set the status to "Reviewed"
               AccountCleanInfo cleanInfoToUpdate = new AccountCleanInfo();
               cleanInfoToUpdate.Id = cleanInfo[0].Id;
               cleanInfoToUpdate.IsReviewedPhone = true;
               update cleanInfoToUpdate;
               account.CleanStatus = 'Reviewed';
           }
       }
   }
}
```

- Create a customized set of `Industry` field values for accounts. Use triggers to map values from fields on imported or cleaned records onto a standard set of values.
- Read the `CleanStatus` field value on the Account object. If that value is `Different`, but a Salesforce record has no street address value, update the record's status to `Not Compared`.

AccountContactRole

Represents the role that a Contact plays on an Account.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Account.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the Contact associated with this account.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPrimary`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Specifies whether the Contact plays the primary role on the Account (`true`) or not (`false`). Note that each account has only one primary contact role. Label is **Primary**. Default value is `false`.
`Role`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the role played by the Contact on this Account, such as Decision Maker, Approver, Buyer, and so on. Must be unique—there can't be multiple records in which the `AccountId`, `ContactId`, and `Role` values are identical. Different contacts can play the same role on the same account. A contact can play different roles on the same account.

Usage

Use this object to define the role that a Contact plays on a given Account within the context of a specific Opportunity.

SEE ALSO:

Account

Contact

AccountFeed

Represents a single feed item on an account record detail page. This object is available in API version 18.0 and later.

An account feed shows changes to an account record for fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to accounts in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Account object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of AccountFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable

Field	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`.The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort

Field	Details
	Description Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`isRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>`

Field	Details
	Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url

Field	Details
	Properties Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.

Field	Details
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply.

Field	Details
	• `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for an account record.

SEE ALSO:

Account

EntitySubscription

NewsFeed

UserProfileFeed

AccountHistory

Represents the history of changes to the values in the fields of an account. This object is available in versions 11.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`AccountId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Account. Label is **Account ID**.

Field	Details
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to an account.

This object respects field level security on the parent object.

SEE ALSO:

Account

AccountOwnerSharingRule

Represents the rules for sharing an account with a User other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AccountAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • `Read` • `Edit` • `All` (This value isn't valid for creating or updating.)
`CaseAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group for all child cases. The possible values are: • `None` • `Read` • `Edit`
`ContactAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** A value that represents the type of access granted to the target Group, UserRole, or User for any associated contacts. The possible values are: • `None` • `Read` • `Edit` Note: When `DefaultContactAccess` is set to `Controlled by Parent`, you can't create or update this field.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. An Account owned by a User in the source Group triggers the rule to give access.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group for any associated Opportunity. The possible values are: • `None` • `Read` • `Edit`
`Name`	**Type** string

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

Usage

Use this object to manage the sharing rules for accounts. General sharing and territory management-related sharing use this object. For example, the following code creates an account owner sharing rule between two public groups, which can also contain portal users.

```
AccountOwnerSharingRule rule = new AccountOwnerSharingRule();
rule.setName("RuleName"); // Set the sharing rule name
rule.setDeveloperName("RuleDeveloperName"); // Set the sharing rule developer name
rule.setGroupId("00Gx00000000000"); // Set the group of users to share records from
rule.setUserOrGroupId("00Gx00000000001"); // Set the group of users to share records to
rule.setAccountAccessLevel("Edit");
rule.setOpportunityAccessLevel("Read");
rule.setCaseAccessLevel("None");
connection.create(rule);
```

SEE ALSO:

Account

AccountShare

Metadata API Developer Guide: SharingRules

AccountPartner

This read-only object represents a partner relationship between two Account objects. It is automatically created when a Partner object is created for a partner relationship between two accounts.

Note: This object is completely distinct and independent of Account records that have been enabled for the partner portal.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AccountFromId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the main Account in the partner relationship.
`AccountToId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, **Description** ID of the partner Account in the partner relationship.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPrimary`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the AccountPartner is the main account's primary partner (`true`) or not (`false`).
`OpportunityId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the opportunity in a partner relationship with the related account.

Field	Details
Role	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The UserRole that the partner Account has on the main Account. For example, `Consultant` or `Distributor`.

Creating an Account-Account Partner Relationship

When you create a partner relationship between two accounts (when you create a Partner object and specify the `AccountFromId`), the API automatically creates two AccountPartner objects, one for the forward relationship and one for the reverse. For example, if you create a Partner object with "Acme, Inc." as the `AccountFromId` and "Acme Consulting" as the `AccountToId`, the API automatically creates two AccountPartner objects:

- The forward relationship AccountPartner with "Acme, Inc." as the `AccountFromId` and "Acme Consulting" as the `AccountToId`.
- The reverse relationship AccountPartner with "Acme Consulting" as the `AccountFromId` and "Acme, Inc." as the `AccountToId`.
- The value of the `Role` field in the reverse relationship AccountPartner is set to the PartnerRole object `ReverseRole` value associated with the value of the `Role` field in the forward relationship AccountPartner.

This mapping allows the API to manage the objects and their relationship efficiently.

SEE ALSO:

Partner

OpportunityPartner

AccountShare

Represents a sharing entry on an Account.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
AccountAccessLevel	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to the Account. The possible values are: • `Read` • `Edit` • `All` (This value isn't valid for create or update calls.) This field must be set to an access level that is at least equal to the organization's default Account access level. In addition, either this field, the `OpportunityAccessLevel` field, or the `CaseAccessLevel` field must be set higher than the organization's default access level.
AccountId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Account associated with this sharing entry. This field can't be updated.
CaseAccessLevel	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to cases associated with the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default `CaseAccessLevel`. This field can't be updated via the API if the `AccountAccessLevel` field is set to `All`. You can't update this field for the associated account owner via the API. You must update the account owner's `CaseAccessLevel` via the Salesforce user interface.
ContactAccessLevel	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description Level of access that the User or Group has to contacts associated with the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default `ContactAccessLevel`. This field can't be updated via the API if the `ContactAccessLevel` field is set to "Controlled by Parent." You can't update this field for the associated account owner using the API. You must update the account owner's `ContactAccessLevel` via the Salesforce user interface.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`OpportunityAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to opportunities associated with the Account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default opportunity access level. This field can't be updated via the API if the `AccountAccessLevel` field is set to `All`. You can't use the API to update this field for the associated Account owner. You must update the Account owner's opportunityAccessLevel via the Salesforce user interface.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field	Details
	Description Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • `Manual`—The User or Group has access because a User with “All” access manually shared the Account with the user or group. • `ImplicitParent`—The User or Group has access because they're the owner of or have sharing access to records related to the account, such as opportunities, cases, contacts, contracts, or orders. • `Owner`—The User is the owner of the Account • `Team`—The User or Group has team access (is an AccountTeamMember). • `Rule`—The User or Group has access via an Account sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Account. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit Account records owned by other users.

If you attempt to create an AccountShare record that matches an existing record, the request updates any modified fields and returns the existing record.

For example, the following code finds all accounts owned by a user and manually shares them to a portal user.

```
QueryResult result = conn.query("SELECT Id FROM Account WHERE OwnerId = '005D0000001LPFB'");
// Create a new AccountShare object
List<AccountShare> shares = new ArrayList<AccountShare>();
for (SObject rec : result.getRecords()) {
     AccountShare share = new AccountShare();
    share.setAccountId(rec.getId());
    //Set the portal user Id to share the accounts with
    share.setUserOrGroupId("003D000000QA8Tl");
    share.setAccountAccessLevel("Edit");
    share.setOpportunityAccessLevel("Read");
    share.setCaseAccessLevel("Edit");
    shares.add(share);
}
conn.create(shares.toArray(new AccountShare[shares.size()]));
```

This code shares the accounts that the user owns at the time, but not those accounts that are owned later. For these types of shares, use an owner-based sharing rule, such as AccountOwnerSharingRule.

If an account is shared in multiple ways with a user, you don't always see multiple sharing records. If a user has access to an account for one or more of the following RowCause values, the records in the AccountShare object are compressed into one record with the highest level of access.

- `ImplicitParent`
- `Manual`
- `Owner`

SEE ALSO:

Account

CaseShare

LeadShare

OpportunityShare

AccountTag

Associates a word or short phrase with an Account.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference

Field Name	Details
	Properties Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

AccountTag stores the relationship between its parent TagDefinition and the Account being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

AccountTeamMember

Represents a User who is a member of an Account team.

See also UserAccountTeamMember, which represents a User who is on the default account team of another user.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- This object is available only for Enterprise, Unlimited, and Performance Edition users who have enabled the account team functionality.
- Customer Portal users can't access this object.

Fields

Field Name	Details
AccountAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Level of access that the User has to the Account. The possible values are: • Read • Edit • All This field must be set to an access level that is at least equal to the organization's default Account access level. In addition, the users's AccountAccessLevel, ContactAccessLevel, OpportunityAccessLevel, or CaseAccessLevel field must be set higher than the organization's default access level.
AccountId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Account to which this user is a team member. Must be a valid account ID.
CaseAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Level of access that the User has to cases associated with the account. The possible values are: • None • Read • Edit This field must be set to an access level that is at least equal to the organization's default case access level. In addition, the users's AccountAccessLevel, ContactAccessLevel, OpportunityAccessLevel, or CaseAccessLevel field must be set higher than the organization's default access level. This field is available in API version 37.0 and later.

Field Name	Details
`ContactAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Level of access that the User has to contacts associated with the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default contact access level. In addition, the users's `AccountAccessLevel`, `ContactAccessLevel`, `OpportunityAccessLevel`, or `CaseAccessLevel` field must be set higher than the organization's default access level. This field is available in API version 37.0 and later.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**. Note: An AccountTeamMember record that is deleted is not moved to the Recycle Bin. A deleted AccountTeamMember record can't be undeleted unless the record was cascade-deleted when deleting a related Account. For directly deleted AccountTeamMember records, don't use the isDeleted field to detect deleted records in SOQL queries or `queryAll()` calls. Instead, use `getDeleted()`.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Level of access that the User has to opportunities associated with the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default opportunity access level. In addition, the users's `AccountAccessLevel`,

Field Name	Details
	`ContactAccessLevel`, `OpportunityAccessLevel`, or `CaseAccessLevel` field must be set higher than the organization's default access level. This field is available in API version 37.0 and later.
`PhotoURL`	**Type** URL **Properties** Filter, Nillable, Sort, Group **Description** Read only. Retrieves the users Chatter photo URL. This field is available in API version 37.0 and later.
`TeamMemberRole`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Role associated with this team member. One of the valid team member roles defined for your organization. Label is **Team Role**.
`Title`	**Type** string **Properties** Filter, Nillable, Sort, Group **Description** Read only. Retrieves the user's title. This field is available in API version 37.0 and later.
`UserId`	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who is a member of this account team. Must be a valid User ID.

Usage

Use this object to manage the team members of a particular Account and to specify team member roles for those users on that account.

SEE ALSO:

Account

AccountTerritoryAssignmentRule

An account assignment rule that assigns accounts to territories based on account fields. Only available if territory management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`BooleanFilter`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Advanced filter conditions that were specified for the rule in the online application. For example, "(1 AND 2) OR 3."
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the rule is active (`true`) or inactive (`false`). Via the API, active rules run automatically when new accounts are created and existing accounts are edited. The exception is when the `IsExcludedFromRealign` field on an account is `true`, which prevents account assignment rules from evaluating that account.
`IsInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the rule is an inherited rule (`true`) or a local rule (`false`). An inherited rule also acts upon territories below it in the territory hierarchy. A local rule is created at the immediate territory and only impacts the immediate territory.

Field	Details
`Name`	**Type** string **Properties** Create, Filter, Update **Description** A name for the rule. Limit is 80 characters.
`TerritoryId`	**Type** reference **Properties** Create, Filter, Update **Description** ID of the territory where accounts that satisfy this rule are assigned.

Usage

A territory will not have any accounts (with the exception of manually assigned accounts) unless at least one account assignment rule is active for the territory.

SEE ALSO:

AccountTerritoryAssignmentRuleItem

Territory

UserTerritory

AccountTerritoryAssignmentRuleItem

A row of selection criteria for an AccountTerritoryAssignmentRule object. Only available if territory management has been enabled for your organization.

AccountTerritoryAssignmentRuleItem can be created or deleted if the `BooleanFilter` field on its corresponding AccountTerritoryAssignmentRule object is a null value.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`Field`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** The standard or custom account field to use as a criteria.
`Operation`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** The criteria to apply, such as "equals" or "starts with."
`RuleID`	**Type** reference **Properties** Create, Filter, Update **Description** ID of the associated AccountTerritoryAssignmentRule.
`SortOrder`	**Type** int **Properties** Create, Filter, Update **Description** The order in which this row is evaluated compared to other AccountTerritoryAssignmentRuleItem objects for the given AccountTerritoryAssignmentRule.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The field value(s) to evaluate, such as `94105` if the `Field` is `Billing Zip/Postal Code`.

Usage

- Both standard and custom account fields can be used as criteria for account assignment rules.
- A territory will not have any accounts (with the exception of manually assigned accounts) unless at least one account assignment rule is active for the territory.

SEE ALSO:

AccountTerritoryAssignmentRule

Territory

UserTerritory

AccountTerritorySharingRule

Represents the rules for sharing an Account within a Territory.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AccountAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • `Read` • `Edit` • `All`
`CaseAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field	Details
	Description A value that represents the type of access granted to the target group for all child cases of the account. The possible values are: • `None` • `Read` • `Edit`
`ContactAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** A value that represents the type of access granted to the target group for all related contacts on the account. The possible values are: • `None` • `Read` • `Edit` Note: This field is read only.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later.

Field	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Accounts owned by users in the source territory trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target group for all opportunities associated with the account. The possible values are: • `None` • `Read` • `Edit`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the user or group being given access, or, if a territory ID, the users assigned to that territory.

Usage

Use this object to manage the sharing rules for a particular object. General sharing and Territory-related sharing use this object.

SEE ALSO:

Account

AccountShare

ActionLinkGroupTemplate

Action link templates let you reuse action link definitions and package and distribute action links. An action link is a button on a feed element. Clicking on an action link can take a user to another Web page, initiate a file download, or invoke an API call to an external server or Salesforce. Use action links to integrate Salesforce and third-party services into the feed. Every action link belongs to an action link group and action links within the group are mutually exclusive. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Only users with the "Customize Application" permission can modify or delete this object.

Fields

Field Name	Details
`Category`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The location of the action link group within the feed element. Values are: • `Primary`—The action link group is displayed in the body of the feed element. • `Overflow`—The action link group is displayed in the overflow menu of the feed element.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the action link group template to use in code.

Field Name	Details
ExecutionsAllowed	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The number of times an action link can be executed. Values are: • Once—An action link can be executed only once across all users. • OncePerUser—An action link can be executed only once for each user. • Unlimited—An action link can be executed an unlimited number of times by each user. If the action link's actionType is Api or ApiAsync, you can't use this value.
HoursUntilExpiration	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of hours from when the action link group is created until it's removed from associated feed elements and can no longer be executed. The maximum value is 8,760.
IsPublished	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If true, the action link group template is published. Action link group templates shouldn't be published until at least one ActionLinkTemplate is associated with it. Once set to true, this can't be set back to false.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the MasterLabel.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The name of the action link group template.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Usage

Define action link templates in Setup and use `ConnectApi` in Apex or Chatter REST API to instantiate action links from the templates and to post feed elements with the action links.

If you delete a published action link group template, you delete all related action link information which includes deleting all action links that were instantiated using the template from feed items.

ActionLinkTemplate

Action link templates let you reuse action link definitions and package and distribute action links. An action link is a button on a feed element. Clicking an action link can take a user to another Web page, initiate a file download, or invoke an API call to an external server or Salesforce. Use action links to integrate Salesforce and third-party services into the feed. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Only users with the "Customize Application" permission can modify or delete this object.

Fields

Field Name	Details
`ActionLinkGroupTemplateId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the ActionLinkGroupTemplate with which this action link template is associated.
`ActionUrl`	**Type** textarea **Properties** Create, Update **Description** The action link URL. For example, a `Ui` action link URL is a Web page. A `Download` action link URL is a link to the file to download. `Ui` and `Download` action link URLs are provided to clients. An `Api` or `ApiAsync` action link URL is a REST resource. `Api` and `ApiAsync` action link URLs aren't provided to clients. Links to Salesforce can be relative. All other links must be absolute and start with `https://`. Links to resources hosted on Salesforce servers can be relative, starting with a `/`. All other links must be absolute and start with `https://`. This field can contain context variables and binding variables in the form `{!Bindings.`***`key`***`}`, for example, `https://www.example.com/{!Bindings.itemId}`. Set the binding variable's value when you instantiate the action link group from the template.
`Headers`	**Type** textarea **Properties** Create, Nillable, Update **Description** Template for the HTTP headers sent when corresponding action links are invoked. This field can be used only for `Api` and `ApiAsync` action links. This field can contain context variables and binding variables in the form `{!Bindings.`***`key`***`}`.

Field Name	Details
`IsConfirmationRequired`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, a confirmation dialog appears before the action is executed.
`IsGroupDefault`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, action links derived from this template are the default or primary action in their action groups. There can be only one default action per action group.
`Label`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A custom label to display on the action link button. If none of the `LabelKey` values make sense for an action link, use a custom label. Set the `LabelKey` field to `None` and enter a label name in the `Label` field. Action links have four states: new, pending, success, and failed. These strings are appended to the label for each state: • *Label* • *Label* Pending • *Label* Success • *Label* Failed For example, if the value of `Label` is "Call Home," the values of the four action link states are: Call Home, Call Home Pending, Call Home Success, and Call Home Failed. If `LabelKey` has any value other than `None`, the `Label` field is empty.
`LabelKey`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Key for the set of labels to display for these action link states: new, pending, success, failed. For example, the Approve set contains these labels: Approve,

Field Name	Details
	Pending, Approved, Failed. For a complete list of keys and labels, see Action Links Labels in the *Chatter REST API Developer Guide* or the *Apex Developer Guide*. If none of the label key values make sense for an action link, set this field to `None` and enter a custom label name in the `Label` field.
`LinkType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of action link. One of these values: • `Api`—The action link calls a synchronous API at the action URL. Salesforce sets the status to `SuccessfulStatus` or `FailedStatus` based on the HTTP status code returned by your server. • `ApiAsync`—The action link calls an asynchronous API at the action URL. The action remains in a `PendingStatus` state until a third party makes a request to `/connect/action-links/`***`actionLinkId`*** to set the status to `SuccessfulStatus` or `FailedStatus` when the asynchronous operation is complete. • `Download`—The action link downloads a file from the action URL. • `Ui`—The action link takes the user to a web page at the action URL.
`Method`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** HTTP method for the action URL. One of these values: • `HttpDelete`—Returns HTTP 204 on success. Response body or output class is empty. • `HttpGet`—Returns HTTP 200 on success. • `HttpHead`—Returns HTTP 200 on success. Response body or output class is empty. • `HttpPatch`—Returns HTTP 200 on success or HTTP 204 if the response body or output class is empty. • `HttpPost`—Returns HTTP 201 on success or HTTP 204 if the response body or output class is empty. Exceptions are the batch posting resources and methods, which return HTTP 200 on success. • `HttpPut`—Return HTTP 200 on success or HTTP 204 if the response body or output class is empty. `Ui` and `Download` action links must use `HttpGet`.

Field Name	Details
Position	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** An integer specifying the position of the action link template relative to other action links in the group. 0 is the first position.
RequestBody	**Type** textarea **Properties** Create, Nillable, Update **Description** Template for the HTTP request body sent when corresponding action links are invoked. This field can be used only for `Api` and `ApiAsync` action links. This field can contain context variables and binding variables in the form `{!Bindings.`***`key`***`}`.
UserAlias	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** If you selected `CustomUser` or `CustomExcludedUser` for `UserVisibility`, this field is the alias for the custom user. Use the alias in a template binding to specify the custom user when an action link group is created using the template.
UserVisibility	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Who can see the action link. This value is set per action link, not per action link group. One of these values: • `Creator`—Only the creator of the action link can see the action link. • `Everyone`—Everyone can see the action link. • `EveryoneButCreator`—Everyone but the creator of the action link can see the action link. • `Manager`—Only the manager of the creator of the action link can see the action link. • `CustomUser`—Only the custom user can see the action link.

Field Name	Details
	• `CustomExcludedUser`—Everyone but the custom user can see the action link.

Usage

Create action link templates in Setup. Use Apex classes in the `ConnectApi` namespace or Chatter REST API to instantiate action links from templates and to post feed elements with the action links.

For information about action links, see “Working with Action Links” in the *Apex Developer Guide* or the *Chatter REST API Developer Guide*.

ActiveScratchOrg

Represents an active scratch org. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** A description of this scratch org.
`Edition`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The org edition of this scratch org. Possible values are `Group`, `Developer`, `Enterprise`, and `Professional`. This field is read-only.
`ExpirationDate`	**Type** date **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Date when the scratch org expires. This field is read-only.
Features	**Type** textarea **Properties** Nillable **Description** The features enabled in this scratch org, such as `MultiCurrency`. See the *Salesforce DX Developer Guide* for the full list of valid features. This field is read-only.
HasSampleData	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Specifies whether the scratch org contains sample data. If set to `true`, the sample data is similar to the data in a Salesforce free trial org.
LastLoginDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date of the last user login to the scratch org. This field is read-only.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date this scratch org was last referenced. This field is read-only.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date this scratch org was last viewed. This field is read-only.
Name	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, Sort **Description** The auto-generated ID of this scratch org. This field is read-only.
`Namespace`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace associated with this scratch org. This field is read-only.
`OrgName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the scratch org. This field is read-only.
`OwnerId`	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who owns this scratch org. This field is read-only.
`ScratchOrg`	**Type** string **Properties** Filter, Group, Sort **Description** The org ID of the scratch org. This field is read-only.
`ScratchOrgInfoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** The id of the associated `ScratchOrgInfo` object. This field is read-only.
`SignupEmail`	**Type** email

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The email address of the Administration user. This field is read-only.
`SignupInstance`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The Salesforce instance on which this scratch org resides. This field is read-only.
`SignupTrialDays`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of days between the scratch org's creation and expiration. This field is read-only.
`SignupUsername`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The username of the Administration user of the scratch org. This field is read-only.
`Template`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The template used to create this scratch org. This field is read-only.

Usage

Salesforce automatically creates an instance of this object after a `ScratchOrgInfo` record moves to the Active state. The new `ActiveScratchOrg` gets many of its field values from the `ScratchOrgInfo` object with which it is associated.

When you delete an `ActiveScratchOrg` record, its associated scratch org is deleted and its associated `ScratchOrgInfo` record is moved to the Deleted state.

SEE ALSO:

ScratchOrgInfo

NamespaceRegistry

Salesforce DX Developer Guide

ActivityHistory

This read-only object is displayed in a related list of closed activities—past events and closed tasks—related to an object. It includes activities for all contacts related to the object. ActivityHistory fields for phone calls are only available if your organization uses Salesforce CRM Call Center.

Supported Calls

`describeSObjects()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the related account, which is determined as follows: • The account associated with the `WhatId`, if it exists; or • The account associated with the `WhoId`, if it exists; otherwise • `null` For information on IDs, see ID Field Type.
`ActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Indicates one of the following: • The due date of a task • The due date of an event if `IsAllDayEvent` is set to `true`

Field	Details
	This field has a time stamp that is always set to midnight in the Universal Time Coordinated (UTC) time zone. The time stamp doesn't represent the time of the activity; don't attempt to alter it to accommodate time zone differences. Label is `Date`.
`ActivitySubtype`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Provides standard subtypes to facilitate creating and searching for specific activity subtypes. This field isn't updateable. `ActivitySubtype` values: • Task • Email • Call • Event • List Email
`ActivityType`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Represents one of the following values: `Call`, `Meeting`, or `Other`. Label is `Type`.
`AlternateDetailId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of a record the activity is related to which contains more details about the activity. For example, an activity can be related to an EmailMessage record.
`CallDisposition`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the result of a given call, for example, “we'll call back,” or “call unsuccessful.” Limit is 255 characters.

Field	Details
CallDurationInSeconds	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Duration of the call in seconds.
CallObject	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of a call center. Limit is 255 characters.
CallType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of call being answered: Inbound, Internal, or Outbound.
ConnectionReceivedId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the PartnerNetworkConnection that shared this record with your organization. This field is available only if your organization has enabled Salesforce to Salesforce and only in API versions 28.0 and later.
ConnectionSentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the PartnerNetworkConnection that your organization shared this record with. This field is available only if your organization has enabled Salesforce to Salesforce, and only in API versions 28.0 and later. The value is always `null`. You can use the PartnerNetworkRecordConnection object to forward records to connections.

Field	Details
Description	**Type** textarea **Properties** Nillable **Description** Contains a description of the event or task. Limit is 32 KB.
Division	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as "North America," "Healthcare," or "Consulting." Available only if the organization has the Division permission enabled.
DurationInMinutes	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Indicates the duration of the event or task.
EndDateTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the end date and time of the event or task. Available in versions 27.0 and later. This field is optional, depending on the following: • If `IsAllDayEvent` is true, you can supply a value for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If both fields are `null`, the duration defaults to one day. • If `IsAllDayEvent` is false, a value must be supplied for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time.
IsAllDayEvent	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** If the value of this field is set to `true`, then the activity is an event spanning a full day, and the `ActivityDate` defines the date of the event. If the value of this field is set to `false`, then the activity may be an event spanning less than a full day, or it may be a task. Label is `All-Day Event`.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a task is closed; value is always `true`. This field is set indirectly by setting the `Status` field on the task—each picklist value has a corresponding `IsClosed` value. Label is `Closed`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the activity has been moved to the Recycle Bin (`true`) or not (`false`). Label is `Deleted`.
`IsHighPriority`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates a high-priority task. This field is derived from the `Priority` field.
`IsOnlineMeeting`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the activity represents an online meeting (`true`) or not (`false`). Note: This field is not available in API version 16.0 or later.

Field	Details
IsReminderSet	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a reminder is set for an activity (`true`) or not (`false`).
IsTask	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If the value of this field is set to `true`, then the activity is a task. If the value is set to `false`, then the activity is an event. Label is `Task`.
IsVisibleInSelfService	**Type** boolean **Properties** Defaulted on create, Filter **Description** If the value of this field is set to `true`, then the activity can be viewed in the self-service portal. Label is `Visible in Self-Service`.
Location	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If the activity is an event, then this field contains the location of the event. If the activity is a task, then the value is `null`.
OwnerId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the user who owns the activity.
PrimaryAccountId	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** Contains the `AccountId` value from the activity record. Available in API versions 30.0 and later to organizations that use Shared Activities.
`PrimaryWhoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Contains the `WhoId` value from the activity record. Available in API versions 30.0 and later to organizations that have enabled Shared Activities.
`Priority`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the priority of a task, such as high, normal, or low.
`ReminderDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Represents the time when the reminder is scheduled to fire, if `IsReminderSet` is set to `true`. If `IsReminderSet` is set to `false`, then the user may have deselected the reminder checkbox in the Salesforce user interface, or the reminder has already fired at the time indicated by the value.
`StartDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the start date and time of the event. Available in versions 29.0 and later. If the event's `IsAllDayEvent` flag is set to true (indicating an all-day event), then the time stamp in `StartDateTime` is always set to midnight in the Coordinated Universal Time (UTC) time zone.

Field	Details
	Note: Don't attempt to alter the time stamp to account for any time zone differences. If the event's `IsAllDayEvent` flag is set to false, then you must translate the time portion of the time stamp in `StartDateTime` to or from a local time zone for the user or the application, as appropriate. The translation must be in the Coordinated Universal Time (UTC) time zone. If this field has a value, then `ActivityDate` and `ActivityDateTime` either must be null or must match the value of this field. If the activity is a task, `StartDateTime` is null
`Status`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the current status of a task, such as in progress or complete. Each predefined status field sets a value for `IsClosed`. To obtain picklist values, query TaskStatus.
`Subject`	**Type** combobox **Properties** Filter, Nillable, Sort **Description** Contains the subject of the task or event.
`WhatId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The `WhatId` represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. `WhatIds` are polymorphic. Polymorphic means a `WhatId` is equivalent to the ID of a related object. The label is `Related To ID`.
`WhoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is `Name ID`. If Shared Activities is enabled, the value of this field is the ID of the related lead or primary contact. If you add, update, or remove the WhoId field, you might encounter problems with triggers, workflows, and data validation rules that are associated with the record. The label is `Name ID`. If your organization uses Shared Activities, when you query activities in API version 30.0 or later, the returned value of the `WhoId` field matches the value in the queried object, not necessarily in the activity record itself. If Shared Activities is enabled, the value of this field is not populated and the field `PrimaryWhoId` should be queried instead.

Usage

Query activities that are related to an object

1. Optionally, issue a describe call against the object whose activities you wish to query, to get a suggestion of the correct SOQL to use.
2. Issue a SOQL relationship query with a main clause that references the object, and an inner clause that references the activity history; for example:

```
SELECT
   (SELECT ActivityDate, Description
    FROM ActivityHistories)
FROM Account
WHERE Name Like 'XYZ%'
```

The user interface enforces sharing rules, filtering out related-list items that a user doesn't have permission to see.

The following constraints on users who don't have the "View All Data" permission help prevent performance issues.

- In the main clause of the relationship query, you can reference only one record. For example, you can't filter on all records where the account name starts with "A." Instead, you must reference a single account record.

```
SELECT
   (SELECT ActivityDate, Description
    FROM ActivityHistories
    ORDER BY ActivityDate DESC NULLS LAST, LastModifiedDate DESC
    LIMIT 500)
FROM Account
WHERE Name = 'Acme'
LIMIT 1
```

- In the inner clause of the query, you can't use `WHERE`.
- In the inner clause of the query, you must specify a limit of 500 or fewer on the number of rows that are returned in the list.

- In the inner clause of the query, you must sort on `ActivityDate` in descending order and `LastModifiedDate` in descending order. You can optionally display nulls last. For example: `ORDER BY ActivityDate DESC NULLS LAST, LastModifiedDate DESC`.

SEE ALSO:

Task

AdditionalNumber

Represents an optional additional number for a call center. This additional number is visible in the call center's phone directory.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`CallCenterId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** System field that contains the ID of the user who created the call center associated with this additional number. If value is null, this additional number is displayed in every call center's phone directory.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the additional number, such as Conference Room B. Limit: 255 characters.
`Name`	**Type** string

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** The name of the additional number. Limit: 80 characters.
`Phone`	**Type** phone **Properties** Create, Filter, Nillable, Group, Sort, Update **Description** The phone number that corresponds to this additional number.

Usage

Create an additional number for a call center directory. Use this object if the number is not easily categorized as a User, Contact, Lead, Account, or the other object. Examples include phone queues or conference rooms.

Address

Represents a mailing, billing, or home address.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The full address.

Field Name	Details
AddressType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** Picklist of address types. The values are: • Mailing • Shipping • Billing • Home
City	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address city.
Country	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address country.
Description	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of the address.
DrivingDirections	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Directions to the address.
GeocodeAccuracy	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location’s geographical coordinates compared with its physical address. A geocoding service typically provides this value based on the address’s latitude and longitude coordinates.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`LocationType`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Picklist of location types. The values are: • Warehouse (default) • Site • Van • Plant
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of the address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the address.

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** A lookup field to the parent address. For example, if the address is a billing address, its parents address might be the address of the associated warehouse.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address postal code.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address state.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The address street.
`TimeZone`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Picklist of available time zones.

Usage

Important: "Address" in Salesforce can also refer to the Address compound field found on many standard objects. When referencing the Address object in your Apex code, always use `Schema.Address` instead of `Address` to prevent confusion with the standard Address compound field. If referencing both the address object and the Address field in the same snippet, you can differentiate between the two by using `System.Address` for the field and `Schema.Address` for the object.

AgentWork

Represents a work assignment that's been routed to an agent. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `getDeleted()`, `getUpdated()`, `retrieve()`, `undelete()`

Fields

Field	Details
`AcceptDatetime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the work item was accepted.
`ActiveTime`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The amount of time an agent actively worked on the work item. Tracks when the item is open and in focus in the agent's console.
`AgentCapacityWhenDeclined`	**Type** double **Properties** Filter, Nillable, Sort **Description** The agent's capacity when declining work, either explicitly or through push timeout.
`AssignedDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the work item was assigned to an agent,

Field	Details
CancelDateTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the work item was canceled.
CapacityPercentage	**Type** percent **Properties** Create, Filter, Nillable, Sort **Description** The percentage of an agent's capacity for work items that's consumed by a specific type of work item from this service channel. When an agent's combined work items reach 100%, the agent won't receive new work items until there is enough open capacity for more work. For example, if you give phone calls a capacity percentage of *100*, an agent on a call doesn't receive new work items until the call ends.
CapacityWeight	**Type** double **Properties** Create, Filter, Nillable, Sort **Description** The amount of an agent's capacity for work items that's consumed by a work item from this service channel. For example, if cases are assigned a capacity weight of *2*, an agent with a capacity of *6* can accept up to 3 cases before the agent is at capacity and can't receive new work items.
CloseDateTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the work item was closed.
CreatedById	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort **Description** ID of the User who created this record.

Field	Details
CreatedDate	**Type** dateTime **Properties** Defaulted on createFilter, Sort **Description** Date and time when this record was created.
DeclineDatetime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date and time when the agent declined this record.
DeclineReason	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The provided reason for why an agent declined the work request.
HandleTime	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The amount of time an agent had the work item open. Calculated by `Close Time – Accepted Time`.
Id	**Type** ID **Properties** Defaulted on create, Filter, Group, idLookup, Sort **Description** The ID of the AgentWork object.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`LastModifiedById`	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort **Description** The ID of the user who last modified this record.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** An automatically generated ID number that identifies the record.
`OriginalQueueId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the queue that the work assignment was originally routed to.
`PushTimeout`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of seconds set for push timeout. *0* is returned when push timeout isn't enabled. Available in API version 36.0 and later.
`PushTimeoutDateTime`	**Type** dateTime

Field	Details
	Properties Filter, Nillable, Sort **Description** Indicates when the push timeout event occurred. Available in API version 36.0 and later.
`RequestDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the work was requested.
`ServiceChannelId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the service channel that's associated with the work assignment.
`ShouldSkipCapacityCheck`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Indicates whether to skip checking an agent's available capacity (`true`) or not (`false`) when an externally routed work item is created. This field is used when agents can simultaneously handle work from both Omni-Channel queues and queues using external routing. When `true`, the receiving agent can exceed their set capacity to accept the item, but they don't receive more Omni-Channel routed work. When `false`, the receiving agent can't exceed their set capacity and must have enough open capacity to accept the item.
`SpeedToAnswer`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The amount of time between when the work was requested and when an agent accepted it.
`Status`	**Type** picklist

Field	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The working status of the work item. Valid values are: • Assigned – The item is assigned to the agent but hasn't been opened. • Opened – The agent opened the item. • Unavailable – The item was assigned to the agent but the agent became unavailable (went offline or lost connection). • Declined – The item was assigned to the agent but the agent explicitly declined it. • DeclinedOnPushTimeout – The item was declined because push time-out is enabled and the item request timed out with the agent. • Closed – The item is closed. • Canceled – The item no longer needs to be routed. For example: a chat visitor cancels their Omni-Channel routed chat request before it reaches an agent. • Transferred–The item was transferred from an agent to another agent, queue, or skill.
`SystemModstamp`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user or automated process (such as a trigger) last modified this record.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user that the work item was assigned to.
`WorkItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the object that's routed to the agent through Omni-Channel.

Usage

`AgentWork` records can only be deleted if they have the status Closed, Declined, or Unavailable. They can't be deleted if their status is Assigned or Opened because they're active in Omni-Channel.

`AgentWork` records have the status Assigned when they're created. Once created, the record is automatically pushed to the assigned agent.

While the metadata for `AgentWork` indicates support for `upsert()` and `update()`, these calls aren't used with `AgentWork` because none of its fields can be updated.

Apex triggers are supported with `AgentWork`.

AllowedEmailDomain

Represents an allowed email domain for users in your organization. You can define a whitelist to restrict the email domains allowed in a user's `Email` field. This object is available in API version 29.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

You must have the "Manage Internal Users" user permission to use this object.

Note: If you don't see this object, contact your Salesforce representative to enable it.

Fields

Field	Details
`Domain`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** An allowed email domain for users.

Announcement

Represents a Chatter group announcement. This object is available in API version 30.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`ExpirationDate`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** Required. The date on which the announcement expires. Announcements display on the group UI until 11:59 p.m. local time on the selected date.
`FeedItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. The ID of the FeedItem that contains the content of the announcement. Announcements are stored as text posts.
`ParentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the parent CollaborationGroup that the announcement belongs to. An announcement can belong only to a single Chatter group.
`SendEmails`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Set to `true` to email all group members when an announcement is posted to the group. The default is `false`. This requires the user to have the "Send announcement on email" permission. This field is available in API version 36.0 and later. Note: This field is currently available to select customers through a pilot program. To be nominated to join this pilot program, contact Salesforce. Additional terms and conditions may apply to participate in the pilot program. Please note that pilot programs are subject to change, and as such, we cannot guarantee acceptance into this pilot program or a particular time frame in which this feature can be enabled. Any unreleased

Field Name	Details
	services or features referenced in this document, press releases, or public statements are not currently available and may not be delivered on time or at all. Customers who purchase our services should make their purchase decisions based upon features that are currently available.

Usage

Group owners, managers, and users with the “Modify All Data” permission can use the Announcement object to create, edit, and delete group announcements. Creating a group announcement is a three-step process.

1. Use the FeedItem object to create a text post with the announcement’s content. Use the CollaborationGroup record you want to post the announcement to as the parent of this feed item.
2. Next, use the feed item ID and an expiration date to create the announcement record.
3. Finally, update the `AnnouncementId` field in the CollaborationGroup record with the ID of the announcement you created.

To delete the group announcement, simply delete the `AnnouncementId` value in the CollaborationGroup record. To restore a group announcement, update the `AnnouncementId` field for a group with the announcement’s ID. The expiration date for the announcement should be in the future and the feed item used to create the announcement should be parented by the same group.

ApexClass

Represents an Apex class.

Note: Although Apex classes and triggers have the Create and Update field properties, a runtime exception occurs if you try to create or update them using the API. Instead, use the Ant Migration Tool, the Salesforce user interface, or the Force.com IDE to create or update Apex classes or triggers.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ApiVersion`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The API version for this class. Every class has an API version specified at creation.

Field	Details
Body	**Type** textarea **Properties** Create, Nillable, Update **Description** The Apex class definition. Limit: 1 million characters.
bodyCrc	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The CRC (cyclic redundancy check) of the class or trigger file.
IsValid	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether any dependent metadata has changed since the class was last compiled (`true`) or not (`false`).
LengthWithoutComments	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Length of the class without comments.
Name	**Type** string **Properties** Group, Sort, Create, Filter, Update **Description** Name of the class. Limit: 255 characters
NamespacePrefix	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The current status of the Apex class. The following string values are valid: • `Active`—The class is active. • `Deleted`—The class is marked for deletion. This is useful for managed packages, because it allows a class to be deleted when a managed package is updated. Note: The ApexTrigger `Status` field includes an `Inactive` option, but it is only supported for ApexTrigger. For more information, see the *Metadata API Developer Guide*.

SEE ALSO:

ApexTrigger

Developer Guide: Apex Developer Guide

ApexComponent

Represents a definition for a custom component that can be used in a Visualforce page alongside standard components such as `<apex:relatedList>` and `<apex:dataTable>`.

Represents a definition for a custom component that can be used in a Visualforce page alongside standard components such as `<apex:relatedList>` and `<apex:dataTable>`. For information, see the *Visualforce Developers Guide*.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ApiVersion`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The API version for this custom component. Every custom component has an API version specified at creation. If the API version is less than 15.0 and `ApiVersion` is not specified, `ApiVersion` defaults to 15.0.
`ControllerKey`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The identifier for the controller associated with this custom component: • If the `ControllerType` parameter is set to `Standard` or `StandardSet`, this value is the name of the sObject that defines the controller. • If the `ControllerType` parameter is set to `Custom`, this value is the name of the Apex class that defines the controller.
`ControllerType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of controller associated with this Visualforce custom component. Possible values include: • `Not Specified`, for custom components defined without a value for the `controller` attribute on the `<apex:component>` tag • `Standard`, a value that can't be used with custom components or errors may occur • `StandardSet`, a value that can't be used with custom components or errors may occur • `Custom`, for components that have a value for the `controller` attribute on the `<apex:component>` tag

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the Visualforce custom component.
`Markup`	**Type** textarea **Properties** Create, Update **Description** The Visualforce markup, HTML, Javascript, and any other Web-enabled code that defines the content of the custom component.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The text used to identify the Visualforce custom component in the Setup area of Salesforce. The Label for this field is **Label**.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of this Visualforce custom component.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in

Field	Details
	an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Usage

Use custom components to encapsulate a common design pattern and then reuse that pattern several times in one or more Visualforce pages. All users who can view Visualforce pages can view custom components, but the "Customize Application" permission is required to create or update custom components.

SEE ALSO:

ApexPage

StaticResource

Developer Guide: Visualforce Developer Guide

ApexLog

Represents a debug log containing information about a transaction, including information about Apex, Visualforce, and workflow and validation rules. This object is available in API version 19.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`Application`	**Type** string **Properties** Filter, Group, Sort **Description** This value depends on the client type that triggered the log. • For API clients, this value is the client ID. • For browser clients, this value is `Browser`.

Field	Details
DurationMilliseconds	**Type** int **Properties** Filter, Group, Sort **Description** Duration of the transaction in milliseconds.
Location	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies the location of the origin of the log. Values are: • `Monitoring`—Log is generated as part of debug log monitoring. These types of logs are maintained for seven days or until a user deletes them. • `SystemLog`—Log is generated from the Developer Console. These types of logs are maintained for 24 hours or until the user clears them.
LogLength	**Type** int **Properties** Filter, Group, Sort **Description** Length of the log in bytes.
LogUserId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user whose actions triggered the debug log.
Operation	**Type** string **Properties** Filter, Group, Sort **Description** Name of the operation that triggered the debug log, such as `APEXSOAP`, `Apex Sharing Recalculation`, and so on.
Request	**Type** string

Field	Details
	Properties Filter, Group, Sort **Description** Request type. Values are: • `API`—Request came from the API • `Application`—Request came from the Salesforce user interface
`StartTime`	**Type** dateTime **Properties** Filter, Sort **Description** Start time of the transaction.
`Status`	**Type** string **Properties** Filter, Group, Sort **Description** Status of the transaction. This value is either `Success`, or the text of an unhandled Apexw exception.

Usage

You can read information about this object, as well as delete it, but you can't update or insert it.

SEE ALSO:

ApexClass

ApexTrigger

Developer Guide: Apex Developer Guide

ApexPage

Represents a single Visualforce page.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ApiVersion`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The API version for this page. Every page has an API version specified at creation. If the API version is less than 15.0 and `ApiVersion` is not specified, `ApiVersion` defaults to 15.0.
`ControllerKey`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The identifier for the controller associated with this page: • If the `ControllerType` parameter is set to `Standard` or `StandardSet`, this value is the name of the sObject that defines the controller. • If the `ControllerType` parameter is set to `Custom`, this value is the name of the Apex class that defines the controller.
`ControllerType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of controller associated with this Visualforce page. Possible values include: • `Not Specified`, for pages defined with neither a `standardController` nor a `controller` attribute on the `<apex:page>` tag • `Standard`, for pages defined with the `standardController` attribute on the `<apex:page>` tag • `StandardSet`, for pages defined using the `standardController` and `recordSetVar` attribute on the `<apex:page>` tag • `Custom`, for pages defined with the `controller` attribute on the `<apex:page>` tag
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Description of the Visualforce page.
`isAvailableInTouch`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates if Visualforce tabs associated with the Visualforce page can be used in the Salesforce app (`true`) or not (`false`). (Use of this field for Salesforce Touch is deprecated.) This field is available in API version 27.0 and later. Standard object tabs that are overridden with a Visualforce page aren't supported in the Salesforce app, even if you set this field for the page. The default Salesforce app page for the object is displayed instead of the Visualforce page.
`IsConfirmationTokenRequired`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether `GET` requests for the page require a CSRF confirmation token (`true`) or not (`false`). This field is available in API version 28.0 and later. If you change this field's value from `false` to `true`, links to the page require a CSRF token to be added to them, or the page will be inaccessible.
`Markup`	**Type** textarea **Properties** Create, Update **Description** The Visualforce markup, HTML, Javascript, and any other Web-enabled code that defines the content of the page.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The text used to identify the Visualforce page in the Setup area of Salesforce. The Label is **Label**.

Field	Details
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of this Visualforce page.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Usage

Use Visualforce pages to add custom content that extends the base Salesforce application functionality. All users in Visualforce-enabled organizations can view Visualforce pages, but the "Customize Application" permission is required to create or update them.

SEE ALSO:

ApexComponent

StaticResource

Developer Guide: Visualforce Developer Guide

ApexTestQueueItem

Represents a single Apex class in the Apex job queue. This object is available in API version 23.0 and later.

This object is available in API version 23.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Description
`ApexClassId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The Apex class whose tests are to be executed.
`ExtendedStatus`	**Type** string **Properties** Filter, Nillable, Sort **Description** The pass rate of the test run. For example: "(4/6)". This means that four out of a total of six tests passed. If the class fails to execute, this field contains the cause of the failure.
`ParentJobId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Points to the AsyncApexJob that represents the entire test run. If you insert multiple Apex test queue items in a single bulk operation, the queue items will share the same parent job. This means that a test run can consist of the execution of the tests of several classes if all the test queue items are inserted in the same bulk operation.
`ShouldSkipCodeCoverage`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether to opt out of collecting code coverage information during Apex test runs. Available in API version 43.0 and later.

Field Name	Description
Status	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** The status of the job. Valid values are: • `Holding`[1] • `Queued` • `Preparing` • `Processing` • `Aborted` • `Completed` • `Failed` [1] This status applies to batch jobs in the Apex flex queue.
TestRunResultID	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the associated ApexTestRunResult object.

Usage

Insert an `ApexTestQueueItem` object to place its corresponding Apex class in the Apex job queue for execution. The Apex job executes the test methods in the class.

To abort a class that is in the Apex job queue, perform an update operation on the ApexTestQueueItem object and set its `Status` field to *`Aborted`*.

If you insert multiple Apex test queue items in a single bulk operation, the queue items will share the same parent job. This means that a test run can consist of the execution of the tests of several classes if all the test queue items are inserted in the same bulk operation.

ApexTestResult

Represents the result of an Apex test method execution. This object is available in API version 23.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
ApexClassId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The Apex class whose test methods were executed.
ApexLogId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Points to the ApexLog for this test method execution if debug logging is enabled; otherwise, `null`.
ApexTestRunResultId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the ApexTestRunResult that represents the entire test run.
AsyncApexJobId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Points to the AsyncApexJob that represents the entire test run. This field points to the same object as `ApexTestQueueItem.ParentJobId`.
Message	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The exception error message if a test failure occurs; otherwise, `null`.

Field Name	Details
`MethodName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The test method name.
`Outcome`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The result of the test method execution. Can be one of these values: • Pass • Fail • CompileFail • Skip
`QueueItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Points to the ApexTestQueueItem which is the class that this test method is part of.
`RunTime`	**Type** int **Properties** Create, Filter, Nillable, Sort, Update **Description** The time it took the test method to run, in seconds.
`StackTrace`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The Apex stack trace if the test failed; otherwise, `null`.

Field Name	Details
`TestTimestamp`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The start time of the test method.

Usage

You can query the fields of the `ApexTestResult` record that corresponds to a test method executed as part of an Apex class execution.

Each test method execution is represented by a single `ApexTestResult` record. For example, if an Apex test class contains six test methods, six `ApexTestResult` records are created. These records are in addition to the `ApexTestQueueItem` record that represents the Apex class.

Each ApexTestResult record has an associated ApexTestResultLimits on page 212 record, which captures the Apex limits used during execution of the test method.

ApexTestResultLimits

Captures the Apex test limits used for a particular test method execution. An instance of this object is associated with each ApexTestResult record. This object is available in API version 37.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`ApexTestResultId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the associated ApexTestResult object.
`AsyncCalls`	**Type** int

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** The number of asynchronous calls made during the test run.
`Callouts`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of callouts made during the test run.
`Cpu`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The amount of CPU used during the test run, in milliseconds.
`Dml`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of DML statements made during the test run.
`DmlRows`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of rows accessed by DML statements during the test run.
`Email`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of email invocations made during the test run.

Field Name	Details
LimitContext	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates whether the test run was synchronous or asynchronous.
LimitExceptions	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates whether your org has any limits that differ from the default limits.
MobilePush	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of mobile push calls made during the test run.
QueryRows	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of rows queried during the test run.
Soql	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The number of SOQL queries made during the test run.
Sosl	**Type** int **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The number of SOSL queries made during the test run.

Usage

The ApexTestResultLimits object is populated for each test method execution, and it captures the limits used between the Test.startTest() and Test.stopTest() methods. If startTest() and stopTest() aren't called, limits usage is not captured. Note the following:

- The associated test method must be run asynchronously.
- Limits for asynchronous Apex operations (batch, scheduled, future, and queueable) that are called within test methods are not captured.
- Limits are captured only for the default namespace.

ApexTestRunResult

Contains summary information about all the test methods that were run in a particular Apex job. This object is available in API version 37.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`AsyncApexJobId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The parent Apex job ID for the result.
`ClassesCompleted`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of classes executed during the test run.

Field Name	Details
ClassesEnqueued	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The total number of classes enqueued during the test run.
EndTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time at which the test run ended.
IsAllTests	**Type** boolean **Properties** Create, Filter, Group, Sort, Update **Description** Indicates whether all Apex test classes were run.
JobName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Reserved for future use.
MethodsCompleted	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of methods completed during the test run. This value is updated after each class is run.
MethodsEnqueued	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The total number of methods enqueued for the test run. This value is initialized before the test runs.
`MethodsFailed`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of methods that failed during this test run. This value is updated after each class is run.
`Source`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The source of the test run, such as the Developer Console.
`StartTime`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The time at which the test run started.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** The status of the test run. Values include: • Queued • Processing • Aborted • Completed • Failed
`TestTime`	**Type** int

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The time it took the test to run, in seconds.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user who ran the test run.

ApexTestSuite

Represents a suite of Apex classes to include in a test run. A TestSuiteMembership object associates each class with the suite. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Description
`TestSuiteName`	**Type** string **Properties** Create, Filter, Group, Sort, Unique, Update **Description** The name of the Apex test suite. This label appears in the user interface. This value is case-sensitive and must be unique.

Usage

Insert a TestSuiteMembership object using an API call to associate an Apex class with an ApexTestSuite object. (ApexTestSuite and TestSuiteMembership aren't editable through Apex DML.) To remove the class from the test suite, delete the TestSuiteMembership object. If you delete an Apex test class or test suite, all TestSuiteMembership objects that contain that class or suite are deleted.

The following SOQL query returns the membership object that relates this Apex class to this test suite.

```
SELECT Id FROM TestSuiteMembership WHERE ApexClassId = '01pD0000000Fhy9IAC'
    AND ApexTestSuiteId = '05FD00000004CDBMA2'
```

SEE ALSO:

TestSuiteMembership

ApexTrigger

Represents an Apex trigger.

Note: Although Apex classes and triggers have the Create and Update field properties, a runtime exception occurs if you try to create or update them using the API. Instead, use the Ant Migration Tool, the Salesforce user interface, or the Force.com IDE to create or update Apex classes or triggers.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ApiVersion`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The API version for this trigger. Every trigger has an API version specified at creation.
`Body`	**Type** textarea **Properties** Create, Nillable, Update **Description** The Apex trigger definition. Limit: 1 million characters.
`bodyCrc`	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update

Field	Details
	Description The CRC (cyclic redundancy check) of the class or trigger file.
`IsValid`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether any dependent metadata has changed since the trigger was last compiled (`true`) or not (`false`).
`LengthWithoutComments`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Length of the trigger without comments
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the trigger. Limit: 255 characters
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer.

Field	Details
	• In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The current status of the Apex trigger. The following string values are valid: • `Active`—The trigger is active. • `Inactive`—The trigger is inactive, but not deleted. • `Deleted`—The trigger is marked for deletion. This is useful for managed packages, because it allows a class to be deleted when a managed package is updated. Note: `Inactive` is not valid for ApexClass. For more information, see the *Metadata API Developer Guide*.
`TableEnumOrId`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies the object associated with the trigger, such as Account or Contact.
`UsageAfterDelete`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is an `after delete` trigger (`true`) or not (`false`).
`UsageAfterInsert`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is an `after insert` trigger (`true`) or not (`false`).
`UsageAfterUndelete`	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Specifies whether the trigger is an `after undelete` trigger (`true`) or not (`false`).
`UsageAfterUpdate`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is an `after update` trigger (`true`) or not (`false`).
`UsageBeforeDelete`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is a `before delete` trigger (`true`) or not (`false`).
`UsageBeforeInsert`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is a `before insert` trigger (`true`) or not (`false`).
`UsageBeforeUpdate`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is a `before update` trigger (`true`) or not (`false`).
`UsageIsBulk`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether the trigger is defined as a bulk trigger (`true`) or not (`false`).

Field	Details
	Note: This field is not used for Apex triggers saved using Salesforce API version 10.0 or higher: all triggers starting with that version are automatically considered bulk, and this field will always return `true`.

SEE ALSO:

ApexClass

Developer Guide: Apex Developer Guide

AppDefinition

Represents the metadata of an app and its navigation items. Metadata is returned only for apps that the current user can access. This object is available in API version 43.0 and later.

Supported Calls

`query()`

Fields

Field Name	Details
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The optional description of the application.
`DeveloperName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The developer name of the application.
`DurableId`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description A unique virtual Salesforce ID for the application.
HeaderColor	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The header color in the application. Specify the color with a hexadecimal code, such as #0000FF for blue.
Id	**Type** ID **Properties** Defaulted on create, Filter, Group, idLookup, Sort **Description** A default Salesforce ID.
IsLargeFormFactorSupported	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the Large form factor is set in the `CustomApplication` metadata.
IsMediumFormFactorSupported	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the Medium form factor is set in the `CustomApplication` metadata.
IsNavAutoTempTabsDisabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the navigation automatically creates temporary tabs settings.

Field Name	Details
`IsNavPersonalizationDisabled`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether navigation personalization is disabled.
`IsOverrideOrgTheme`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether to override the global theme for the org. When `true`, the color scheme and logo that the user has set are used. When `false`, the global theme for the org is used, even if the user has set a color scheme and logo.
`IsSmallFormFactorSupported`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the Small form factor is set in the `CustomApplication` metadata.
`Label`	**Type** string **Properties** Filter, Nillable, Sort **Description** The localized label value corresponding to the MasterLabel field.
`LogoUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The logo URL of the application as selected by the admin.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The non-translated label entered when the application was created.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace of the application.
`NavType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of navigation for the application. The value `Standard` is for Lightning Experience. The value `Console` is for Salesforce console. A null value is for Salesforce Classic.
`UiType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the type of custom application. The value `Aloha` is for Salesforce Classic, and `Lightning` is for Lightning Experience.
`UtilityBar`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID of the utility bar associated with this application.

AppExtension

Represents a connection between the Field Service Lightning mobile app and another app, typically for passing record data to the Salesforce app or other apps. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
AppExtensionLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label in the UI for the app extension.
AppExtensionName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The API name of the app extension.
FieldServiceMobileSettingsId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of a set of field service mobile settings.
InstallationUrl	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL that takes the user to the app install location, such as the App Store or Google Play.
LaunchValue	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** A value directing the Field Service Lightning app to the appropriate app extension. The Launch Value can be a static URL or a dynamic value that you can represent with certain tokens. These tokens pass field information from the record that the user is currently viewing. The basic format for these tokens is based on the field names; for example: **{!$Name}**.
ScopedToObjectTypes	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the types of records from which the app extension can be activated. Scoping an app extension to an object lets users activate the app extension from records of the specified type. For example, to scope to both work orders and service appointments you would use the value `WorkOrder,ServiceAppointment`.
Type	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A picklist of types of app extensions: iOS, Android, Flow, and Lightning Apps

AppMenuItem

Represents the organization's default settings for items in the app menu or App Launcher.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
ApplicationId	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The 15-character ID for the menu item.
`CanvasAccessMethod`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The access method for the canvas app. Values can be: • OAuth Webflow (GET) • Signed Request (POST)
`CanvasEnabled`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates if the app menu item is a canvas app (`true`) or not (`false`).
`CanvasOptions`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the options enabled for a canvas connected app. The options are: • PersonalEnabled—The app is enabled as a canvas personal app. • HideHeader—The publisher header, which contains the "What are you working on?" text, is hidden. • HideShare—The publisher **Share** button is hidden. This field is available in API version 34.0 and later.
`CanvasReferenceId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The canvas app unique identifier.

Field	Details
CanvasSelectedLocations	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The selected locations for the canvas app which define where the canvas app can appear in the user interface. For example: `Chatter,ChatterFeed,Publisher,ServiceDesk`
CanvasUrl	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The URL of the canvas app.
Description	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A description of this menu item.
IconUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The icon for the menu item's application.
InfoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The URL for more information about the application.
IsAccessible	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description If `true`, the current user is authorized to use the app.
`IsUsingAdminAuthorization`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the app is pre-authorized for certain users by the administrator.
`IsVisible`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the app is visible to users of the organization, by default.
`Label`	**Type** string **Properties** Group, Nillable **Description** The app's name.
`LogoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The logo for the menu item's application. The default is the initials of the `Label` value.
`MobileStartUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The location mobile users are directed to after they've authenticated. This field is only used with connected apps.
`Name`	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The API name of the item.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, NamespacePrefix is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
SortOrder	**Type** int **Properties** Filter, Group, idLookup, Sort **Description** The index value that controls where this item appears in the menu. For example, a menu item with a sort order of 5 appears between items with sort order values of 3 and 9.
StartUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** For a connected app, the location users are directed to after they've authenticated. Otherwise, the application's default start page.
Type	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of application represented by this item. The types are: • ConnectedApplication • Network • ServiceProvider • TabSet
`UserSortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The index value that represents where the user set this item in the menu (or App Launcher). For example, an item with a sort order value of 5 appears between items with sort order values of 3 and 9. This value is separate from SortOrder so you can create logic incorporating both values. For example, if you want the user-sorted items to appear first, followed by the organization order for the rest, use: `SELECT ApplicationId,SortOrder,UserSortOrder FROM AppMenuItem order by userSortOrder NULLS LAST, sortOrder NULLS LAST`

Usage

Use this read-only object to view an entry in the Lightning Platform app menu or the App Launcher. You can create a SOQL query to retrieve all items, even items the user does not see from the user interface.

There are many ways you can use AppMenuItem. Here are some examples:

- Build your own App Launcher or app menu in Salesforce. Create a custom page showing all the apps you have access to and that lets you run them using single sign-on.
- Build your own App Launcher or app menu on a tablet or mobile app. You can have your own app for launching applications on various mobile devices.
- Build an app launcher into your company's intranet. There's no need to have it run on Salesforce because Salesforce APIs let you integrate with Salesforce programmatically and build an app launcher.

Tip: To get metadata information about apps and their tabs, use the Apex `Schema.describeTabs()` method, the REST API `/vXX.X/tabs/` resource, or the SOAP API `describeTabs()` call.

Approval

Represents an approval request for a Contract.

Note: This object is read-only and is specific to approvals on the Contract object. It isn't equal to or involved in the approval processes represented by the ProcessInstance, which is more powerful.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`ApproveComment`	**Type** string **Properties** Filter, Nillable, Sort **Description** Text entered by the user when they approved or rejected this approval request. Required. Limit: 4,000 characters.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** Required. ID of the User being asked to approve or reject the approval request. Must be a valid User ID. Required.

Field	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** Required. ID of the Contract associated with this approval request. Must be a valid contract ID.
`RequestComment`	**Type** string **Properties** Filter, Nillable, Sort **Description** Text entered by the User who created the approval request. Optional. This field can't be updated after the Approval has been created. Limit: 4,000 characters.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Required. Status of this approval request. One of the following picklist values: • `Pending`—Specified only when the Approval request is created (`create()` call) • `Approved`—Specified only when the Approval request is approved (`update()` call) • `Rejected`—Specified when the Approval request is rejected (`update()` call) or when it is created (`create()` call) and immediately rejected for archival/historical purposes.

Usage

This object allows client applications to programmatically handle approval requests for a Contract. Initially, to request a Contract approval, a client application might create a new Approval request record, specifying the `ParentId`, `OwnerId` (user approving or rejecting the request), `Status` (Pending), and (optionally) `RequestComment` fields. Note that when a client application creates the first approval request, if the value of the Contract `Status` field is Draft, then the Approval `Status` for this record is automatically changed to In Approval Process (see ContractStatus for more information).

A client application might subsequently update an existing Approval request, specifying the `Status` (Approved or `Rejected`) and an `ApproveComment` (required); the `RequestComment` field can't be updated. Updating an Approval record (either to approve or reject) requires the client application to be logged in with “Approve Contract” permission. To update an Approval request, its `Status` must be Pending—a client application can't update an Approval that has already been Approved or Rejected. To re-submit an approval request for a given Contract, a client application must create a new, separate Approval record and repeat the approval process.

Once a Contract has been approved (not rejected), the Contract `LastApprovedDate` field is automatically updated, however the Contract `Status` field isn't updated, it keeps the value InApproval.

An approved Contract must be activated explicitly. Client applications can activate a Contract by setting the value in its `Status` field to Activated, or a User can activate a Contract via the Salesforce user interface.

A Contract can have multiple approval requests in various states (Pending, Approved, and Rejected). In addition, one User can have multiple approval requests associated with the same Contract.

Client applications can't explicitly deleteApproval records. Approval records are deleted automatically if the parent Contract is deleted.

SEE ALSO:

Object Basics

AppTabMember

Represents the list of tabs for each of the available apps. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`AppDefinitionId`	**Type** string **Properties** Filter, Nillable, Sort **Description** The ID of the `AppDefinition` object.
`DurableId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A unique virtual Salesforce ID for the color.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number used to sort this tab in the application.

Field Name	Details
TabDefinitionId	**Type** string **Properties** Filter, Nillable, Sort **Description** The ID of the TabDefinition object.
WorkspaceDriverField	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Refers to the workspace mapping in the CustomApplication Metadata API object.

*Article Type*__DataCategorySelection

A data category selection represents a data category that classifies an article. This object is available in API version 19.0 and later.

This object can be used to associate an article with data categories from a data category group or to query the category selections for an article.

The object name is variable and has a syntax of *Article Type*__DataCategorySelection, where *Article Type* is the Object Name for the article type associated with the article. For example, Offer__DataCategorySelection represents the association between the Offer article type and its data categories. Every article is associated with an article type.

Supported Calls

create(), delete(), describeSObjects(), query(), getDeleted(), retrieve()

Special Access Rules

Users can only access, create or delete data category selection visible to their role, permission set, or profile. If a user has partial visibility on an article's categorization, only the visible categories are returned.

Fields

Field Name	Details
DataCategoryGroupName	**Type** DataCategoryGroupReference

Field Name	Details
	Properties Create **Description** Unique name of the data category group which has categories associated with the article.
`DataCategoryName`	**Type** DataCategoryGroupReference **Properties** Create **Description** Unique name of the data category associated with the article.
`ParentId`	**Type** reference **Properties** Create, Filter **Description** ID of the article associated with the data category selection.

Usage

Every article in Salesforce Knowledge can be categorized. A data category selection represents a category that has been selected to classify an article. You can use the *Article Type*__DataCategorySelection object to query and manage article categorization in your organization. Client applications can create a categorization for an article with a Draft status. They can also delete and query article categorizations.

Note: When using *Article Type*__DataCategorySelection to classify an article, you can't select both a category (for example USA) and one of its descendants (California) or ascendant categories (North America). In this case, only the first category is selected.

Answer communities use QuestionDataCategorySelection to classify questions.

SOQL Sample

The following SOQL query returns the data category selections used to classify the article whose ID is `ka0D000000005ApIAI`.

```
SELECT Id,DataCategoryName, ParentId
        FROM Offer__DataCategorySelection WHERE ParentId='ka0D000000005ApIAI'
```

This clause only returns category unique names. To retrieve category labels use the following clause:

```
SELECT Id,toLabel(DataCategoryName), ParentId
        FROM Offer__DataCategorySelection WHERE ParentId='ka0D000000005ApIAI'
```

Tip: You can also use relationship queries to retrieve categorizations from an article type.

SEE ALSO:

QuestionDataCategorySelection

*Article Type*__Feed

Represents a single feed item in the feed displayed on the detail page for an article. This object is available in API version 20.0 and later.

An article feed shows recent changes to an article record for any fields that are tracked in feeds, and posts and comments about the article. It is a useful way to stay up-to-date with changes made to articles in Salesforce Knowledge. This object is available in API version 20.0 and later. The object name is variable and uses a `Article Type`__Feed syntax, where `Article Type` is the `Object Name` for the article type associated with the article. For example, `Offer__Feed` represents a feed item on an article based on the `Offer` article type.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of `Article Type`__Feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission.

Field	Details
	Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** This field is required if `Type` is `ContentPost`.The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDate DESC` sorts the feed by the most recent feed item.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int

Field	Details
	Properties Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the article that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item:

Field	Details
	• `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case

Field	Details
	Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Usage

Use this object to track changes for an article. You can only delete a feed that you created, or if you have the “Modify All Data” permission or “Modify All” permission on the KnowledgeArticle object.

SEE ALSO:

- KnowledgeArticle
- EntitySubscription
- NewsFeed
- UserProfileFeed

Asset

Represents an item of commercial value, such as a product sold by your company or a competitor, that a customer has purchased and installed.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** (Required) ID of the Account associated with this asset. Must be a valid account ID. Required if `ContactId` is not specified.
`AssetLevel`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The asset's position in an asset hierarchy. If the asset has no parent or child assets, its level is 1. Assets that belong to a hierarchy have a level of 1 for the root asset, 2 for the child assets of the root asset, 3 for their children, and so forth. Note: On assets created before the introduction of this field, the asset level defaults to –1. Once the asset record is updated, the asset level is calculated and automatically updated.
`AssetProvidedById`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account that provided the asset, typically a manufacturer.
`AssetServicedById`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account in charge of servicing the asset.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required if `AccountId` is not specified. ID of the Contact associated with this asset. Must be a valid contact ID that has an account parent (but does not need to match the asset's `AccountId`).
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the asset.
`InstallDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description Date when the asset was installed.
IsCompetitorProduct	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this Asset represents a product sold by a competitor (`true`) or not (`false`). Default value is `false`. Its UI label is Competitor Asset.
IsInternal	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates that the asset is produced or used internally (`true`) or not (`false`). Default value is `false`. Its UI label is Internal Asset.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the asset was last modified. Its UI label is Last Modified Date.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the asset was last viewed.
LocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The asset’s location. Typically, this is the place where the asset is stored, such as a warehouse or van.

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** (Required) Name of the asset. Label is Asset Name.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The asset's owner. By default, the asset owner is the user who created the asset record. Its UI label is Asset Owner.
ParentId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The asset's parent asset. Its UI label is Parent Asset.
Price	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Price paid for this asset.
Product2Id	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** (Optional) ID of the Product2 associated with this asset. Must be a valid Product2 ID. Its UI label is Product.
ProductCode	**Type** string **Properties** Filter, Group, Sort, Nillable

Field	Details
	Description The product code of the related product.
`PurchaseDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date on which this asset was purchased.
`Quantity`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Quantity purchased or installed.
`RootAssetId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level asset in an asset hierarchy. Depending on where an asset lies in the hierarchy, its root could be the same as its parent. Its UI label is Root Asset.
`SerialNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Serial number for this asset.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Customizable picklist of values. The default picklist includes the following values: • `Purchased` • `Shipped` • `Installed`

Field	Details
	• `Registered` • `Obsolete`
`StockKeepingUnit`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The SKU assigned to the related product.
`UsageEndDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date when usage for this asset ends or expires.

Usage

Use this object to track products sold to customers. With asset tracking, a client application can quickly determine which products were previously sold or are currently installed at a specific account. You can also create hierarchies of up to 10,000 assets.

For example, your organization might want to renew and up-sell opportunities on products sold in the past. Similarly, your organization might want to track competitive products that exist in a customer environment that could potentially be replaced or swapped out.

Asset tracking is also useful for product support, providing detailed information to assist with product-specific support issues. For example, the `PurchaseDate` or `SerialNumber` could indicate whether a given product has certain maintenance requirements, including product recalls. Similarly, the `UsageEndDate` might indicate when the asset was removed from service or when a license or warranty expires.

If an application creates a new Asset record, it must specify a `Name` and either an `AccountId`, `ContactId`, or both.

SEE ALSO:

Object Basics

AssetFeed

Represents a single feed item in the feed displayed on the detail page for an asset record.

An asset feed shows recent changes to an asset record for any fields that are tracked in feeds, and comments and posts about the record. It is a useful way to stay up-to-date with changes to assets.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Asset object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the AssetFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is `ContentPost`. Setting AssetFeed automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
FeedPostId	**Type** reference **Properties** Filter. Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. Use FeedItem instead. The ID of the associated FeedPost. A FeedPost represents the following types of changes in an AssetFeed: status updates, changes to tracked fields, text posts, link posts, and content posts.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text.

Field Name	Details
	Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • • • • <img> The <img> tag is accessible only via the API and must reference files in Salesforce similar to this example: <img src="sfdc://069B0000000omjh"></img> Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** This field is a standard system field. When a feed item is created, LastModifiedDate is the same as CreatedDate. If a FeedComment is inserted on the feed item, then LastModifiedDate becomes the CreatedDate for the FeedComment. Deleting the FeedComment does not change the LastModifiedDate. Ordering by LastModifiedDate DESC sorts the feed by both the most recent feed item or comment.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.

Field Name	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of the LinkPost.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. NetworkScope can have the following values: • NetworkId—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the asset record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the ContentVersion article associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as an AssetFeed object of `Type` `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the AssetFeed. When the `Type` is `LinkPost`, the `LinkUrl` is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of AssetFeed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher.

Field Name	Details
	• DashboardComponentAlert—generated when a dashboard metric or gauge exceeds a user-defined threshold. • DashboardComponentSnapshot—created when a user posts a dashboard snapshot on a feed. • LinkPost—a post with an attached URL. • PollPost—a poll posted on a feed. • ProfileSkillPost—generated when a skill is added to a user's Chatter profile. • QuestionPost—generated when a user posts a question. • ReplyPost—generated when Chatter Answers posts a reply. • RypplePost—generated when a user creates a Thanks badge in Work.com. • TextPost—a direct text entry on a feed. • TrackedChange—a change or group of changes to a tracked field. • UserStatus—automatically generated when a user adds a post. Deprecated. The following values appear in the Type picklist for all feed objects but apply only to CaseFeed: • AttachArticleEvent—generated event when a user attaches an article to a case. • CallLogPost—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • CaseCommentPost—generated event when a user adds a case comment for a case object. • ChangeStatusPost—generated event when a user changes the status of a case. • ChatTranscriptPost—generated event when Live Agent transcript is saved to a case. • EmailMessageEvent—generated event when an email related to a case object is sent or received. • FacebookPost—generated when a Facebook post is created from a case. Deprecated. • MilestoneEvent—generated when a case milestone is completed or reaches violation status. • SocialPost—generated when a social post is created from a case.
Visibility	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for an asset record.

SEE ALSO:

Asset
Product2
FeedItem

AssetOwnerSharingRule

Represents the rules for sharing an Asset with users other than the owner. This object is available in API version 33.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
AssetAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • Read • Edit
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
DeveloperName	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Cases owned by users in the source group trigger the rule to give access.

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group. Target users or groups are given access.

Usage

Use this object to manage the sharing rules for assets. General sharing uses this object.

SEE ALSO:

Metadata API Developer Guide: SharingRules

AssetRelationship

Represents a non-hierarchical relationship between assets due to replacement, upgrade, or other circumstances.

Asset relationships appear in the Primary Assets and Related Assets related lists on asset records in the UI.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
AssetId	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The replacement asset.
`AssetRelationshipNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the asset relationship.
`FromDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The day the replacement asset is installed.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the asset relationship was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the asset relationship was last viewed.
`RelatedAssetId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The asset being replaced.
`RelationshipType`	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The type of relationship between the assets. This field comes with three values—Replacement, Upgrade, and Crossgrade—but you can create more in Setup.
`ToDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The day the replacement asset is uninstalled.

AssetShare

Represents a sharing entry on an Asset. This object is available in API version 33.0 and later.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`AssetAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to the Asset. The possible values are: • `Read` • `Edit`

Field	Details
	• `All` This value is not valid for creating or deleting records. This field must be set to an access level that is higher than the organization's default access level for cases.
`AssetId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Asset associated with this sharing entry. This field can't be updated.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the Asset with them. • `Owner`—The User is the owner of the Asset. • `Rule`—The User or Group has access via an Asset sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Asset. This field can't be updated.

Usage

This object allows you to determine which users and groups can view and edit Asset records owned by other users.

If you attempt to create a new record that matches an existing record, request updates any modified fields and returns the existing record.

AssetTag

Associates a word or short phrase with an Asset.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

AssetTag stores the relationship between its parent TagDefinition and the Asset being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

AssetTokenEvent

Represents an event associated with an asset token, such as token issuance and registration of a connected device as an Asset. This object is available in API version 39.0 and later.

An asset token event records successful completion of an OAuth 2.0 asset token flow for a connected device. An event is published whenever an access token and actor token (optional) are successfully exchanged for an asset token. This object is designed to support custom business processes, such as automatic logging of a case when an event occurs. Create Apex triggers that subscribe to an event and execute after asset token issuance. This object is read only and can't be retrieved using a SOQL query. Asset token events are not displayed in the Setup user interface for Platform Events.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`ActorTokenPayload`	**Type** textarea **Properties** Nillable

Field Name	Details
	Description If the asset token request included an actor token, the payload portion containing claims about the connected device, asset token, and if applicable, the registered Asset.
AssetId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the Asset record if the Asset was newly created or an existing Asset was linked to in the asset token request.
AssetName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If specified in the actor token, the display name of the existing Asset. This value is otherwise `null`.
AssetSerialNumber	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If specified in the actor token, the serial number of the existing Asset. This value is otherwise `null`.
ConnectedAppId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the connected app associated with the access token for the device.
DeviceId	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description ID of the connected device. Value is the `did` (device ID) claim specified in the actor token.
`DeviceKey`	**Type** textarea **Properties** Nillable **Description** If specified in the actor token, the device-specific RSA public key as a JSON Web Key (JWK). Value is the `jwk` claim within the confirmation claim from the actor token.
`Expiration`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The expiration time on or after which the asset token JWT must not be accepted for processing. A numeric value representing the number of seconds from 1970-01-01T00:00:00Z UTC until the specified UTC date/time, ignoring leap seconds.
`Name`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Display name of the asset token.
`ReplayId`	**Type** string **Properties** Filter, Nillable, Sort **Description** Numeric ID that identifies the asset token event. Each ID is incremented automatically and guaranteed to be higher than the ID of the previous event, but not necessarily contiguous for consecutive events.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description ID of the user associated with the access token.

Usage

The following example shows how to trigger an action after an asset token event.

```
trigger AssetTokenEventTrigger on AssetTokenEvent (after insert) {
      System.assertEquals(1,Trigger.new.size(),'One record expected');
      AssetTokenEvent event = Trigger.new[0];
      AssetTokenRecord__c record = new AssetTokenRecord__c();
      record.ConnectedAppId__c = event.ConnectedAppId;
      record.UserId__c = event.UserId;
      record.AssetId__c = event.AssetId;
      record.AssetTokenName__c = event.AssetTokenName;
      record.DeviceId__c = event.DeviceId;
      record.DeviceKey__c = event.DeviceKey;
      record.Expiration__c = event.Expiration;
      record.AssetSerialNumber__c = event.AssetSerialNumber;
      record.AssetName__c = event.AssetName;
      record.ActorTokenPayload__c = event.ActorTokenPayload;
      insert(record);
}
```

AssignedResource

Represents a service resource who is assigned to a service appointment. Assigned resources appear in the Assigned Resources related list on service appointments. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`ActualTravelTime`	**Type** double

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The number of minutes that the service resource needed to travel to the service appointment they're assigned to. You can enter a value with up to two decimal places.
`AssignedResourceNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the resource assignment.
`EstimatedTravelTime`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The estimated number of minutes needed for the service resource to travel to the service appointment they're assigned to. You can enter a value with up to two decimal places.
`ServiceAppointmentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service appointment that the resource is assigned to.
`ServiceCrewId`	**Type** reference **Properties** Create, Update, Filter, Group, Sort, Nillable **Description** The service crew that the resource is assigned to. Note: Since service resources can represent crews or individuals, appointment are typically assigned to crews in the following way: 1. Create a service resource of the Crew type that represent the crew. 2. Create an assigned resource on the service appointment and select the crew resource in the `ServiceResourceId` field.

Field Name	Details
	As an alternative, you can assign appointments to crew members separately. This lets you track each member's travel time and see a list of the crew members in the Assigned Resources related list. To take this approach, create an assigned resource for each crew member. List the crew member in the `ServiceResourceId` field and the crew they belong to in the `ServiceCrewId` field.
`ServiceResourceId`	**Type** reference **Properties** Create, Update, Filter, Group, Sort **Description** The resource who is assigned to the service appointment.

Usage

You can assign multiple service resources to a service appointment. Service resources who are assigned to service appointments cannot be deactivated until they are removed from the appointments.

AssignmentRule

Represents an assignment rule associated with a Case or Lead.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`

Special Access Rules

- This object is read only. Assignment rules are created, configured, and deleted in the user interface.
- Customer Portal users can't access this object.

Fields

Field	Details
`Active`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether this assignment rule is active (`true`) or not (`false`).
`Name`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of this assignment rule.
`SobjectType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Type of assignment rule—Case or Lead.

Usage

Before creating or updating a new Case or Lead, a client application can query (by name) the AssignmentRule to obtain the ID of the assignment rule to use, and then assign that ID to the `assignmentRuleId` field of the AssignmentRuleHeader. The AssignmentRuleHeader can be set using either SOAP API or REST API.

SEE ALSO:

Object Basics

AssociatedLocation

Represents a link between an account and a location in Field Service Lightning. You can associate multiple accounts with one location. For example, a shopping center location may have multiple customer accounts.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
ActiveFrom	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date and time the associated location is active.
ActiveTo	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date and time the associated location stops being active.
AssociatedLocationNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** Auto-generated number identifying the associated location.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the associated location was last modified.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the associated location was last viewed.
LocationId	**Type** reference **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The location associated with the address.
`ParentRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The account associated with the location.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Picklist of address types. The values are: • Bill To • Ship To

AsyncApexJob

Represents an individual Apex sharing recalculation job, a batch Apex job, a method with the `future` annotation, or a job that implements `Queueable`.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ApexClassID`	**Type** reference, **Properties** Filter, Group, Sort **Description** The ID of the Apex class executing the job. Label is `Class ID`.

Field Name	Details
CompletedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the job was completed.
ExtendedStatus	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If one or more errors occurred during the batch processing, this contains a short description of the first error. A more detailed description of that error, along with any subsequent errors, is emailed to the last user who modified the batch class. This field is available in API version 19.0 and later.
JobItemsProcessed	**Type** int **Properties** Filter, Group, Sort **Description** Number of job items processed. Label is `Batches Processed`.
JobType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of job being processed. Valid values are: • `Future` • `SharingRecalculation` • `ScheduledApex` • `BatchApex` • `BatchApexWorker` • `TestRequest` • `TestWorker` • `ApexToken` • `Queueable`

Field Name	Details
MethodName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the Apex method being executed. Label is `Apex Method`.
NumberOfErrors	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of batches with a failure. A batch is considered transactional, so any unhandled exceptions constitute an entire failure of the batch. Label is `Failures`.
Status	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of the job. Valid values are: • `Holding`[1] • `Queued` • `Preparing` • `Processing` • `Aborted` • `Completed` • `Failed` [1] This status applies to batch jobs in the Apex flex queue.
TotalJobItems	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of batches processed. Each batch contains a set of records. Label is `Total Batches`.

Usage

Use this object to query Apex batch jobs in your organization.

AttachedContentDocument

This read-only object contains all `ContentDocument` objects associated with an object.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the attached `ContentDocument`.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the document in bytes.
`ContentUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** URL for links and Google Docs. This field is set only for links and Google Docs, and is one of the fields that determine the `FileType`. This field is available in API version 31.0 and later.
`ExternalDataSourceName`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Name of the external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in API version 32.0 and later.
`ExternalDataSourceType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Type of external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in APIAPI version 35.0 and later.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the attached `ContentDocument`. This field is available in API version 31.0 and later.
`FileType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of document, determined by the file extension.
`LinkedEntityId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the record the `ContentDocument` is attached to.
`SharingOption`	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls whether or not sharing is frozen for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Allowed`, which means that new shares are allowed. When set to `Restricted`, new shares are prevented without affecting existing shares. This field is available in API versions 35.0 and later.
`Title`	**Type** string **Properties** Filter, Group, Sort **Description** Title of the attached `ContentDocument`.

Usage

Use this object to list all `ContentDocument` objects attached to an object via a feed post.

To retrieve `ContentDocument` objects, issue a describe call on an object, which returns a query result for each activity since the record was created. You can't directly query this object.

AttachedContentNote

This read-only object contains all ContentNote objects associated with an object. This object is available in API version 35.0 and later.

Supported Calls

`describeSObjects()`

Special Access Rules

- Notes must be enabled.
- Chatter must be enabled.

Fields

Field Name	Details
ContentDocumentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the attached ContentNote
ContentSize	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the note in bytes.
FileExtension	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the attached ContentNote.
FileType	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of file for the note. All notes have a file type of SNOTE.
LinkedEntityId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the record the ContentNote is attached to.
TextPreview	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** A preview of the note, up to 255 characters.
`Title`	**Type** string **Properties** Filter, Group, Sort **Description** Title of the note.

Usage

Use this object to list all `ContentNote` objects attached to an object.

To retrieve `ContentNote` objects, issue a describe call on an object, which returns a query result for each note created or attached. You can't directly query this object.

Attachment

Represents a file that a User has uploaded and attached to a parent object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Body`	**Type** base64 **Properties** Create, Update **Description** Required. Encoded file data.
`BodyLength`	**Type** int

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** Size of the file (in bytes).
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field’s value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`ContentType`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The content type of the attachment. If the `Don't allow HTML uploads as attachments or document records` security setting is enabled for your organization, you cannot upload files with the following file extensions: `.htm`, `.html`, `.htt`, `.htx`, `.mhtm`, `.mhtml`, `.shtm`, `.shtml`, `.acgi`, `.svg`.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the attachment. Maximum size is 500 characters. This field is available in API version 18.0 and later.

Field	Details
`IsEncrypted`	**Note:** This information is about Shield Platform Encryption and not Classic Encryption. **Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the attachment is encrypted using Shield Platform Encryption (`true`) or not (`false`). This field is available in API version 34.0 and later.
`IsPartnerShared`	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether this record is shared with a connection using Salesforce to Salesforce. Label is `Is Shared With Partner`.
`IsPrivate`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this record is viewable only by the owner and administrators (`true`) or viewable by all otherwise-allowed users (`false`). During a create or update call, it is possible to mark an Attachment record as private even if you are not the owner. This can result in a situation in which you can no longer access the record that you just inserted or updated. Label is **Private**. Attachments on tasks or events can't be marked private.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the attached file. Maximum size is 255 characters. Label is **File Name**.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description ID of the User who owns the attachment. This field was required previous to release 9.0. Beginning with release 9.0, it can be null on create. The owner of an attachment on a task or event must be the same as the owner of the task or event.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the parent object of the attachment. The following objects are supported as parents of attachments: • Account • Asset • Campaign • Case • Contact • Contract • Custom objects • EmailMessage • EmailTemplate • Event • Lead • Opportunity • Product2 • Solution • Task

Note: If you are importing Attachment data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. For example, for compliance reasons, you may prefer to set the `CreatedDate` to the date the record was originally created in your system, rather than the date it was imported into Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself.

Usage

The API sends and receives the binary file attachment data encoded as a base64Binary data type. Prior to creating a record, client applications must encode the binary attachment data as base64. Upon receiving a response, client applications must decode the base64 data to binary (this conversion is usually handled for you by the SOAP client).

The create call restricts these files to a maximum size of 25 MB. For a file attached to a Solution, the limit is 1.5 MB. The maximum email attachment size is 3 MB.

The API supports attachments on email in create, delete, or update calls. The query call does not return attachments parented by email, unless the user performing the query has the "Modify All Data" permission.

Note:

- Attachment records are not searched during text searches.
- When issued by an administrator, the query results include Attachment records from the Recycle Bin.
- When issued by a non-administrator, the `queryAll()` call results do not include Attachment records from the Recycle Bin.

Access to fields depends on the method being used:

- All of the fields are accessible using the `describeSObjects()` and `query()` calls. With the `create()` call, you can insert the `Name`, `ParentId`, `Body`, `IsPrivate`, and `OwnerId` fields.
- To modify existing records, the `update()` call gives you access to change the `Name`, `Body`, `IsPrivate`, and `OwnerId` fields.
- You can access all of the fields using a `query()` call. However, you can't receive the `Body` field for multiple records in a single `query()` call. If your query returns the `Body` field, your client application must ensure that only one row with one Attachment is returned; otherwise, an error occurs. A more effective approach is to return IDs (but not Attachment records in the `Body` field) from a `query()` call and then pass them into `retrieve()` calls that return the `Body` field.
- For information about accessing the attachments of archived activities, see Archived Activities.

SEE ALSO:

Note

AuraDefinition

Represents a Lightning definition, such as component markup, a client-side controller, or an event. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AuraDefinitionBundleId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the bundle containing the definition. A bundle contains a Lightning definition and all its related resources.

Field Name	Details
`DefType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The definition type. Valid values are: • `APPLICATION` — Lightning Components app • `CONTROLLER` — client-side controller • `COMPONENT` — component markup • `EVENT` — event definition • `HELPER` — client-side helper • `INTERFACE` — interface definition • `RENDERER` — client-side renderer • `STYLE` — style (CSS) resource • `PROVIDER` — reserved for future use • `MODEL` — deprecated, do not use • `TESTSUITE` — reserved for future use • `DOCUMENTATION` — documentation markup • `TOKENS` — tokens collection • `DESIGN` — design definition • `SVG` — SVG graphic resource
`Format`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The format of the definition. Valid values are: • `XML` for component markup • `JS` for JavaScript code • `CSS` for styles
`Source`	**Type** textarea **Properties** Create, Update **Description** The contents of the Lightning definition. This is all the markup or code for the definition.

Usage

For more information, see the Lightning Components Developer Guide.

AuraDefinitionBundle

Represents a Lightning definition bundle, such as a component or application bundle. A bundle contains a Lightning definition and all its related resources. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ApiVersion`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The API version for this bundle. Every bundle has an API version specified at creation.
`Description`	**Type** textarea **Properties** Create, Filter, Group, Sort, Update **Description** The text description of the bundle. Maximum size of 255 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the record in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. This field is automatically generated but you can supply your own value if you create the record using the API.

Field Name	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the `MasterLabel`.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Master label for the Lightning bundle. This internal label doesn't get translated.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Usage

For more information, see the Lightning Components Developer Guide.

AuthConfig

Represents authentication options for a communityor custom domain that was created by using My Domain. This object is available in API version 32.0 and later.

The fields for this object control the login options that show up on the login page for users of a community or custom domain.

- Logging in with a username and password
- Using SAML for single sign-on
- Authentication provider logins from a third-party service, such as Facebook or Twitter

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

You must have “View Setup and Configuration” permission to view the settings.

Fields

Field Name	Details
`AuthOptionsAuthProvider`	**Type** boolean **Properties** Filter **Description** If `true`, at least one Auth. Provider is selected to show up on the login page, and this object has child AuthConfigProvider objects for each provider.
`AuthOptionsSaml`	**Type** boolean **Properties** Filter **Description** If `true`, at least one SAML configuration is selected to show up on the login page. If the organization has only one SAML configuration, this value indicates whether that configuration is selected to show up on the login page. If the organization has multiple SAML configurations, see the child AuthConfigProvider objects for each configuration.
`AuthOptionsUsernamePassword`	**Type** boolean

Field Name	Details
	Properties Filter **Description** If `true`, the login option for a username and password appears on the login page.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the domain created using My Domain or, for communities, a concatenated string of *`community name_community prefix`*.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Whether this configuration is in use.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language for the organization.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The text that's used to identify the Visualforce page in Setup.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Sort

Field Name	Details
	Description The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Type`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The organization type for this object. • `Org` (includes custom domains) • `Community` • `Site` • Portal
`Url`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The login URL of the organization for this AuthConfig object. Each URL has only one associated AuthConfig object.

AuthConfigProviders

Represents an authentication provider that's configured in an organization. This object is a child of the AuthConfig object. This object is available in API version 32.0 and later.

This object links the authentication configuration for an organization to the Auth. Provider through the `AuthOptionsAuthProvider` field of the AuthConfig object. The login page of a Community or custom domain that was created by using My Domain can allow multiple SAML configurations and multiple authentication providers. These configurations can be set to show up as buttons on the login page. Each configuration has an AuthConfigProvider object.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

You must have "View Setup and Configuration" permission to view the settings.

Fields

Field Name	Details
`AuthConfigId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID for this configuration.
`AuthProviderId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the Auth. Provider or SAML configuration.

AuthProvider

Represents an authentication provider in your org.

An authentication provider enables users to log in to your Salesforce org using their login credentials from an external service provider, such as Facebook© or Janrain©.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Only users with the “Customize Application” and “Manage AuthProviders” permissions can access this object.

Fields

Field Name	Details
AuthorizeUrl	**Type** url **Properties** Create, Filter, Nillable, Sort, Update **Description** Required, but only if `ProviderType` is `OpenIdConnect`. The OAuth authorization endpoint URL. Used only with OpenID Connect authentication providers. Available in API version 29.0 and later.
ConsumerKey	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Required. The app’s key that is registered at the third-party Single Sign-On provider.
ConsumerSecret	**Type** string **Properties** Create, Nillable **Description** Required. The consumer secret of the app that is registered at the third-party Single Sign-On provider. This field cannot be updated. When using `create()` this field must be encrypted. To create an encrypted form of the consumer secret from plain text: **1.** Create an authentication provider with the ConsumerSecret plain text value. **2.** Save the authentication provider. **3.** Create an outbound change set that includes the authentication provider component. The new change set .xml file has an entry in the form `<consumerSecret>++XYZ++</consumerSecret>` where ++XYZ++ is the encrypted secret.
CustomMetadataTypeRecord	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Required, but only with custom authentication provider plug-ins, when `ProviderType` is `Custom`. The API name of the authentication provider. Available in API version 36.0 and later.
`DefaultScopes`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Required, but only if `ProviderType` is `OpenIdConnect` The scopes to be sent with the authorization request, if not specified when a flow is started. Used only with OpenID Connect authentication providers. Available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Used when referring to the authentication provider from a program.
`ErrorUrl`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** A custom error URL for the authentication provider to use to report any errors.
`ExecutionUserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user that runs the Apex handler class. The user must have the “Manage Users” permission. A user is required when you specify a registration handler class.
`FriendlyName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** Required. A user-friendly name for the provider.
IconUrl	**Type** url **Properties** Create, Filter, Nillable, Sort, Update **Description** The path to an icon to use as a button on the login page. Users click the button to log in with the associated authentication provider.
IdTokenIssuer	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Only available if `ProviderType` is `OpenIdConnect`. This value identifies the source of the authentication token in the form *`https: URI`*. Used only with OpenID Connect authentication providers. If provided, Salesforce validates the returned `id_token` value. The OpenID Connect specification requires an `id_token` value to be returned with the `access_token` value. Available in API version 30.0 and later.
LinkKickoffUrl	**Type** url **Properties** Nillable **Description** Provides the URL for linking existing Salesforce users to a third-party account. This field is read-only. Available in API version 43.0 and later.
LogoutUrl	**Type** url **Properties** Create, Filter, Nillable, Sort, Update **Description** Provides a specific destination for users after they log out if they authenticated using social sign-on. The URL must be fully qualified with an `http` or `https` prefix, such as `https://acme.my.salesforce.com`. Available in API version 33.0 and later.

Field Name	Details
OauthKickoffUrl	**Type** url **Properties** Nillable **Description** Provides the URL for obtaining OAuth access tokens for a third party. This field is read-only. Available in API version 43.0 and later.
OptionsIncludeOrgIdInId	**Type** boolean **Properties** Create, Filter, Update **Description** Includes the organization ID to differentiate between users with the same user ID from two sources (such as two sandboxes). Only available for Salesforce authentication providers. Once set to `true`, it can't be set to `false`. Available in API version 32.0 and later.
OptionsSendAccessTokenInHeader	**Type** boolean **Properties** Create, Filter, Update **Description** Required only if `ProviderType` is `OpenIdConnect`. When `true`, the access token is sent to the `UserInfoUrl` in a header instead of a query string. Used only with OpenID Connect authentication providers. Available in API version 30.0 and later.
OptionsSendClientCredentialsInHeader	**Type** boolean **Properties** Create, Filter, Update **Description** Required only if `ProviderType` is `OpenIdConnect`. When `true`, the client credentials are sent in a header, instead of a query string, to the `tokenUrl`. The credentials are in the standard OpenID Connect Basic Credentials header form, which is `Basic <token>`, where `<token>` is the base64-encoded string `"clientkey:clientsecret"`. Used only with OpenID Connect authentication providers. Available in API version 30.0 and later.
ProviderType	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. The third-party Single Sign-On provider to use. Valid values are: • `Facebook` • `Salesforce` • `Janrain` • `LinkedIn` (Available in API version 32.0 and later.) • `Twitter` (Available in API version 32.0 and later.) • `OpenIdConnect` (Available in API version 29.0 and later.) Note: This type requires values for the following fields: – `AuthorizeUrl` – `DefaultScopes` – `TokenUrl` – `UserInfoUrl` • `MicrosoftACS` Microsoft Access Control Service typically provides authentication for a Microsoft Office 365 service like SharePoint® Online. (Available in API version 31.0 and later.) • `GitHub`—Use the `GitHub` provider to log in users of your Lightning Platform app to GitHub using OAuth. When logged in to GitHub, your app can make calls to GitHub APIs. The `GitHub` provider isn't available as a single sign-on provider, so users can't log in to your Salesforce org using their GitHub login credentials. (Available in API version 35.0 and later.) • `Custom` (Available in API version 36.0 and later.)
`PluginId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An existing Apex class that extends the `Auth.AuthProviderPluginClass` abstract class. Available in API version 39.0 and later.
`RegistrationHandlerId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description An existing Apex class that implements the `Auth.RegistrationHandler` interface.
`SsoKickoffUrl`	**Type** url **Properties** Nillable **Description** Provides the URL for performing single sign-on into Salesforce from a third party by using its third-party credentials. This field is read-only. Available in API version 43.0 and later.
`TokenUrl`	**Type** url **Properties** Create, Filter, Nillable, Sort, Update **Description** Required, but only if `ProviderType` is `OpenIdConnect`. The OAuth token endpoint URL. Used only with OpenID Connect authentication providers. Available in API version 29.0 and later.
`UserInfoUrl`	**Type** url **Properties** Create, Filter, Nillable, Sort, Update **Description** Required, but only if `Provider-type` is `OpenIdConnect`. The OpenID Connect endpoint URL. Used only with OpenID Connect authentication providers. Available in API version 29.0 and later.

AuthSession

The AuthSession object represents an individual user session in your organization. This object is available in versions 29.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** The date and time this session was created. This field is a standard system field.
`IsCurrent`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the session is a member of the user's current session family. This field is available in API version 37.0 and later.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** The date and time this session was last updated. A session expires when the current date and time equals `LastModifiedDate` + `NumSecondsValid`. This field is a standard system field.
`LoginGeoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character ID for the record of the geographic location of the user for a login event. Due to the nature of geolocation technology, the accuracy of geolocation fields (for example, country, city, postal code) can vary. This field is available in API version 34.0 and later.
`LoginHistoryId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The 18-character ID for a successful login event. When a session is reused, Salesforce updates the `LoginHistoryId` with the value from the most recent login. This field is available in API version 33.0 and later.
`LoginType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of login, for example, Application.
`LogoutUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** The page or view to display after users log out of a community, or an organization if they authenticated using SAML. This field is available in API version 32.0 and later.
`NumSecondsValid`	**Type** int **Properties** Filter, Group, Sort **Description** The number of seconds before the session expires, starting from the last update time.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** The 18-character ID for the parent session, if one exists (for example, if the current session is for a canvas app). If the current session doesn't have a parent, this value is the current session's own ID.
`SessionSecurityLevel`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description Standard or High, depending upon the authentication method used.
SessionType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of session. Common ones are UI, Content, API, and Visualforce.
SourceIp	**Type** string **Properties** Filter, Group, Sort **Description** IP address of the end user's device from which the session started. This address can be an IPv4 or IPv6 address.
UserType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The kind of user for this session. Types include Standard, Partner, Customer Portal Manager, High Volume Portal, and CSN Only.
UsersId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The user's Salesforce user ID.

Usage

The AuthSession object exposes session data and enables read and delete operations on that data. For example, use this object to create a report showing who is signed in to your organization, or to create a tool to delete a session, ending that user's session. For a user, only their own sessions are available, while administrators can see all sessions.

You can't change user sessions with this object. You can only read and delete them.

BackgroundOperation

Represents a background operation in an asynchronous job queue. This object is available in API version 35.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Error`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The error message for the operation. Applies only if the operation has an error status.
`ExecutionGroup`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Applies only if the operation is merged with other operations into an execution group to be processed in bulk. Identifies the execution group.
`ExpiresAt`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** After this time, the operation is removed from the asynchronous job queue. Applies only if the operation has a status of complete, canceled, error, or merged.
`FinishedAt`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** When the operation reached the status of completed or error.

Field Name	Details
GroupLeaderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Applies only if the operation is merged with other operations into an execution group to be processed in bulk. Identifies the operation that's selected as the leader of the execution group.
Name	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** Identifies the background operation.
NumFollowers	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Applies only if the operation is merged with other operations into an execution group to be processed in bulk. Number of other operations that are in the execution group.
ParentKey	**Type** string **Properties** Filter, Group, idLookup, Nillable, Sort **Description** Tag that identifies related sets of operations, if any.
ProcessAfter	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The operation is scheduled to be processed after this time.
RetryBackoff	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Applies only if the operation has an error status. The first retry is attempted immediately. Each subsequent retry is increasingly delayed according to an exponential expression that's multiplied by the `RetryBackoff`, in milliseconds. Specifically, the delay time is $(2^n-1)\times R$, where `n` is the `RetryCount`, and `R` is the `RetryBackoff`. The default value for `RetryBackoff` depends on the type of operation. For example, the `RetryBackoff` default for write operations on external objects is 1,000 milliseconds. For write operations, retries are attempted immediately, after 3 seconds, after 7 seconds, after 15 seconds, and so on.
`RetryCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number of attempted retries. Applies only if the operation has an error status.
`RetryLimit`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Maximum number of retries to attempt. Applies only if the operation has an error status.
`SequenceGroup`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Identifies the sequence group. Applies only if the operation is merged with other operations into an execution group to be processed in bulk. Within an execution group, operations can be placed into a sequence group to be executed in a specific order.
`SequenceNumber`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Order position within the sequence group. Applies only if the operation is merged with other operations into an execution group to be processed in bulk. Within an execution group, operations can be placed into a sequence group to be executed in a specific order.
StartedAt	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** When the operation started running.
Status	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Status of the background operation. The options are: • New • Scheduled • Canceled • Merged • Waiting • Running • Error • Complete
SubmittedAt	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** When the operation was added to the job queue.
Timeout	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Maximum time in milliseconds to wait for results after the operation started running.
`WorkerUri`	**Type** string **Properties** Filter, Group, idLookup, Nillable, Sort **Description** URI of the worker that performed the operation. Example for a Salesforce Connect OData operation: `services/data/v35.0/xds/upsert`

Usage

The BackgroundOperation object lets you:

- Monitor the job status of asynchronous operations.
- View errors that are related to the asynchronous operations.
- Extract statistics for the asynchronous job queue.

BackgroundOperationResult

Stores error messages generated when running Async SOQL queries or importing data into big objects using Bulk API. This is a big object, available in API version 37.0 and later.

Each instance of `BackgroundOperationResult` represents one error. The `Message` field stores the text of the error message. The `ParentID` field stores the:

- job ID of the query, in case of Async SOQL
- batch ID for the data import, in case of Bulk API

Bulk API validates data at the time of import, and generates an error message for the first occurrence of invalid data in any row of the data file. The validation performed depends on the type of data being imported.

- **Text**—The length of the input string must be less than or equal to the length of the corresponding text field in the target object.
- **Number**—The input data must be a number, whose scale and precision are compatible with the corresponding number field in the target object.
- **ID—**The input data must be a valid 15- or 18-character ID.
- **DateTime**—The input data must be a valid dateTime value, in the approved format.
- **Lookup**—The lookup value must be a valid 15- or 18-character ID.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`CreatedById`	**Type** ID **Properties** Nillable **Description** The user ID of the user initiating the Bulk API or Async SOQL request.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create **Description** The date and time at which the Bulk API or Async SOQL request was made.
`Data`	**Type** string **Properties** Nillable **Description** The data that generated the error message. The total length is limited to 2,000 characters, and each column can occupy a maximum of 50 characters. Any data exceeding those limits is truncated.
`Id`	**Type** ID **Properties** Defaulted on create, idLookup **Description** The ID of the error message.
`Message`	**Type** string **Properties** Nillable **Description** The text of the error message.

Field Name	Details
MessageType	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The type of error message. The possible values are: ERROR, WARNING, or INFO.
ParentId	**Type** reference **Properties** Filter, Sort **Description** The batch ID, in case of Bulk API, or the job ID, in case of Async SOQL.

Usage

You can check for errors by querying the `BackgroundOperationResult` object. For example, this query returns details of all errors in a data file imported using Bulk API, whose batch ID is `751xx000000006OAAQ`.

```
SELECT CreatedbyId, CreatedDate, Id, Message, MessageType, ParentId FROM
BackgroundOperationResult WHERE ParentId = “751xx000000006OAAQ”
```

Note: You can only view errors resulting from Async SOQL or Bulk API requests that you initiated, unless you have the global permission to view all data.

Bookmark

Represents a link between opportunities that share common information.

This object is available to organizations with the Similar Opportunities feature enabled.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
ID	**Type** ID **Properties** Defaulted on create, Filter

Field	Details
	Description ID of the bookmark. Label is **Bookmark ID**.
`FromId`	**Type** ID **Properties** Filter **Description** The originating opportunity. Label is **Bookmarked From ID**
`ToId`	**Type** ID **Properties** Filter **Description** The opportunity to which the originating opportunity is linked. Label is **Bookmarked To ID**.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.

Usage

The Bookmark object works with the Opportunity object only.

Use this read-only object to query the bookmarks between opportunities in your organization. In the online application, users can search for opportunities that share attributes with their opportunity. The user can then bookmark the appropriate opportunities for future reference.

BrandTemplate

Letterhead for HTML EmailTemplate.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
Description	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the letterhead. Limited to 1000 characters.
DeveloperName	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **Letterhead Unique Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the letterhead is available for use (`true`) or not (`false`). Label is **Active**.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the template as it appears in the user interface. Limited to 255 characters. Label is **Brand Template Name**.

Field	Details
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, NamespacePrefix is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.
Value	**Type** textarea **Properties** Create, Update **Description** The contents of the letterhead, in HTML, including any logos.

Usage

Use this object to brand EmailTemplate records with your letterhead. You can also set a brand template to active or inactive. For example, if you have five different marketing brands, you can maintain each different brand in one template, and assign to the appropriate EmailTemplate.

SEE ALSO:

EmailTemplate

BusinessHours

Specifies the business hours of your support organization. Escalation rules are run only during these hours.

If business hours are associated with any Holiday records, then business hours and escalation rules associated with business hours are suspended during the dates and times specified as holidays.

Supported Calls

`create()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`, `describeLayout()`, `search()`

Special Access Rules

All users, even those without the "View Setup and Configuration" user permission, can view business hours via the API.

Fields

Field	Details
`BusinessHoursId`	**Type** reference **Properties** Filter, Group, Nillable,Sort **Description** ID of the BusinessHours associated with the SlaProcess.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the business hours is active (`true`) or not active (`false`).
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the business hours.
`IsDefault`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the business hours are set as the default business hours (`true`) or not (`false`).

Field	Details
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the business hours were last viewed.
`FridayEndTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
`FridayStartTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
`MondayEndTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
`MondayStartTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
`SaturdayEndTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.

Field	Details
SaturdayStartTime	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
SundayEndTime	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
SundayStartTime	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
ThursdayEndTime	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
ThursdayStartTime	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
TimeZoneSidKey	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The time zone of the business hours.

Field	Details
`TuesdayEndTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
`TuesdayStartTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.
`WednesdayEndTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business closes.
`WednesdayStartTime`	**Type** time **Properties** Create, Filter, Nillable, Sort, Update **Description** Time that business opens.

Usage

Use this object to specify the business hours at which your support team operates. Escalation rules only run during the business hours with which they are associated. To set business hours to 24-hours a day, set the times from midnight to midnight (00:00:00 ~ 00:00:00) on each day.

By default, business hours are set from 12:00 AM to 12:00 AM in the default time zone specified in your organization's profile.

SEE ALSO:

Object Basics

BusinessProcess

Represents a business process.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users cannot access this object.

Fields

Field	Details
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of this business process. Limit: 255 characters.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this business process can be presented to users in the Salesforce user interface (`true`) or not (`false`) when creating a new record type or changing the business process of an existing record type.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of this business process. Limit: 80 characters.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`TableEnumOrId`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Required. One of the following values: Case, Opportunity, or Solution. Label is **Entity Enumeration Or ID**.

Usage

Use the BusinessProcess object to offer different subsets of picklist values to different users for the LeadStatus, CaseStatus, and OpportunityStage fields. Similar to a RecordType, a BusinessProcess identifies the type of a row in a Case, Lead, or Opportunity and implies a subset of picklist values for these three fields. The values for the remaining picklist fields are driven off of RecordType.

SEE ALSO:

Object Basics

CallCenter

Represents a call center, which is a logical representation of a single computer-telephony integration (CTI) system instance in an organization.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AdapterURL`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** An optional field that specifies the location of where the CTI adapter is hosted. For example, `http://localhost:11000`. This field is available in API version 23.0 or later.
`CustomSettings`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** Specifies settings in the call center definition file, such as whether the call center uses the Open CTI, and SoftPhone properties, such as height in pixels. This field is available for Open CTI and in API version 25.0 or later.
`Id`	**Type** ID **Properties** Defaulted on create, Filter **Description** System field that uniquely identifies this call center. Label is **Call Center ID**. This ID is created automatically when the call center is created.
`InternalName`	**Type** string **Properties** Create, Filter, Group, Sort **Description** The internal name of the call center. Limit is 80 characters.

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort **Description** The name of the call center. Limit is 80 characters.
Version	**Type** double **Properties** Create, Filter, Nillable, Sort **Description** The version of the CTI Toolkit used to create the call center (for versions 2.0 and later). This field is available in API version 18.0 and later.

Usage

Create a call center or query an existing call center.

Campaign

Represents and tracks a marketing campaign, such as a direct mail promotion, webinar, or trade show.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
ActualCost	**Type** currency

Field	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** Amount of money spent to run the campaign.
`AmountAllOpportunities`	**Type** currency **Properties** Filter, Sort **Description** Amount of money in all opportunities associated with the campaign, including closed/won opportunities. Label is **Value Opportunities in Campaign**.
`AmountWonOpportunities`	**Type** currency **Properties** Filter, Sort **Description** Amount of money in closed or won opportunities associated with the campaign. Label is **Value Won Opportunities in Campaign**.
`BudgetedCost`	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Amount of money budgeted for the campaign.
`CampaignImageId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the campaign image. Available in API version 42.0 and later.
`CampaignMemberRecordTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record type ID for CampaignMember records associated with the campaign.

Field	Details
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Restricted picklist, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the campaign. Limit: 32 KB. Only the first 255 characters display in reports.
EndDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Ending date for the campaign. Responses received after this date are still counted.
ExpectedResponse	**Type** percent **Properties** Create, Filter, Nillable, Sort, Update **Description** Percentage of responses you expect to receive for the campaign.
ExpectedRevenue	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Amount of money you expect to generate from the campaign.
HierarchyActualCost	**Type** currency **Properties** Filter, Nillable, Sort

Field	Details
	Description Calculated field for the total amount of money spent to run the campaigns in a campaign hierarchy. Label is **Total Actual Cost in Hierarchy**.
`HierarchyBudgetedCost`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Calculated field for the total amount of money budgeted for the campaigns in a campaign hierarchy. Label is**Total Budgeted Cost in Hierarchy**.
`HierarchyExpectedRevenue`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Calculated field for the total amount of money you expect to generate from the campaigns in a campaign hierarchy. Label is **Total Expected Revenue in Hierarchy**.
`HierarchyNumberSent`	**Type** int **Properties** Filter **Description** Calculated field for the total number of individuals targeted by the campaigns in a campaign hierarchy. For example, the number of email messagess sent. Label is **Total Num Sent in Hierarchy**.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this campaign is active (`true`) or not (`false`). Default value is `false`. Label is **Active**.
`LastActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Value is one of the following, whichever is the most recent: • Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
LastReferencedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the campaign. Limit: is 80 characters.
NumberOfContacts	**Type** int **Properties** Filter, Group, Sort **Description** Number of contacts associated with the campaign. Label is **Total Contacts**.
NumberOfConvertedLeads	**Type** int **Properties** Filter, Group, Sort **Description** Number of leads that were converted to an account and contact due to the marketing efforts in the campaign. Label is **Converted Leads**.

Field	Details
NumberOfLeads	**Type** int **Properties** Filter, Group, Sort **Description** Number of leads associated with the campaign. Label is **Leads in Campaign**.
NumberOfOpportunities	**Type** int **Properties** Filter, Group, Sort **Description** Number of opportunities associated with the campaign. Label is **Opportunities in Campaign**.
NumberOfResponses	**Type** int **Properties** Filter, Group, Sort **Description** Number of contacts and unconverted leads with a Member Status equivalent to "Responded" for the campaign. Label is **Responses in Campaign**.
NumberOfWonOpportunities	**Type** int **Properties** Filter, Group, Sort **Description** Number of closed or won opportunities associated with the campaign. Label is **Won Opportunities in Campaign**.
NumberSent	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Number of individuals targeted by the campaign. For example, the number of emails sent. Label is **Num Sent**.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description ID of the user who owns this campaign. Default value is the user logging in to the API to perform the create.
ParentCampaign	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** The campaign above the selected campaign in the campaign hierarchy.
ParentId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the parent Campaign record, if any.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
StartDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Starting date for the campaign.
Status	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Status of the campaign, for example, Planned, In Progress. Limit: 40 characters.
TotalAmountAllOpportunities	**Type** currency

Field	Details
	Properties Filter **Description** Calculated field for total amount of all opportunities associated with the campaign hierarchy, including closed/won opportunities. Label is **Total Value Opportunities in Hierarchy**.
`TotalAmountAllWonOpportunities`	**Type** currency **Properties** Filter **Description** Calculated field for amount of all closed/won opportunities associated with the campaign hierarchy. Label is **Total Value Won Opportunities in Hierarchy**.
`TotalNumberofContacts`	**Type** int **Properties** Filter **Description** Calculated field for number of contacts associated with the campaign hierarchy. Label is **Total Contacts in Hierarchy**.
`TotalNumberofConvertedLeads`	**Type** int **Properties** Filter **Description** Calculated field for the total number of leads associated with the campaign hierarchy that were converted into accounts, contacts, and opportunities. Label is **Total Converted Leads in Hierarchy**.
`TotalNumberofLeads`	**Type** int **Properties** Filter **Description** Calculated field for total number of leads associated with the campaign hierarchy. This number also includes converted leads. Label is **Total Leads in Hierarchy**.
`TotalNumberofOpportunities`	**Type** int

Field	Details
	Properties Filter **Description** Calculated field for the total number of opportunities associated with the campaign hierarchy. Label is **Total Opportunities in Hierarchy**.
`TotalNumberofResponses`	**Type** int **Properties** Filter **Description** Calculated field for number of contacts and unconverted leads that have a `Member Status` equivalent to "Responded" for the campaign hierarchy. Label is **Total Responses in Hierarchy**.
`TotalNumberofWonOpportunities`	**Type** int **Properties** Filter **Description** Calculated field for the total number of won opportunities associated with the campaign hierarchy. Label is **Total Won Opportunities in Hierarchy**.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Type of campaign, for example, Direct Mail or Referral Program. Limit: 40 characters.

Usage

Client applications can create, update, delete, and query Attachment records associated with a campaign via the API.

The Campaign object is defined only for those organizations that have the marketing feature enabled and valid marketing licenses. In addition, it is accessible only to those users that are enabled as marketing users. If the organization does not have the marketing feature or valid marketing licenses, this object does not appear in the `describeGlobal()` call, and you can't use `describeSObjects()` or `query()` with the Campaign object.

Note: The main constituent of a campaign is a CampaignMember. You will commonly need to update campaigns with CampaignMember.

SEE ALSO:

Object Basics

CampaignFeed

Represents a single feed item in the feed on a campaign record detail page. This object is available in API version 18.0 and later.

A campaign feed shows recent changes to a campaign record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to campaigns.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Campaign object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of CampaignFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.

Field	Details
	Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator and the `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference

Field	Details
	Properties Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the InsertedBy value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (true) or not (false).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item Body contains rich text. Set IsRichText to true if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn’t supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • • • • <img> The <img> tag is accessible only via the API and must reference files in Salesforce similar to this example: <img src="sfdc://069B0000000omjh"></img>

Field	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field	Details
	• AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the campaign record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • ActivityEvent—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, specify `ContentData` and `ContentFileName`.

Field	Details
Visibility	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a campaign record.

SEE ALSO:

Campaign
EntitySubscription
NewsFeed
UserProfileFeed

CampaignHistory

Represents the history of changes to the values in the fields of a campaign. This object is available in versions 40.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
CampaignId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the campaign. Label is **Campaign ID**.
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to a campaign.

This object respects field level security on the parent object.

CampaignInfluence

Represents the association between a campaign and an opportunity in Customizable Campaign Influence. This object is available in API version 37.0 and later.

Note: This information applies only to Customizable Campaign Influence and not to Campaign Influence 1.0.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

To access this object, Customizable Campaign Influence must be enabled. Customer Portal users can't access this object.

Fields

Field Name	Details
`CampaignId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the associated campaign.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the contact on the associated opportunity.
`Influence`	**Type** percent **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The percentage of the associated opportunity's Amount field attributed to the associated campaign.
`ModelId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the campaign influence model associated with the record.
`OpportunityId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the associated opportunity.
`RevenueShare`	**Type** currency **Properties** Filter, Nillable, Sort **Description** The amount of revenue from the associated opportunity attributed to the associated campaign.

Usage

Use this object to create campaign influence records for your custom campaign influence models. Do not create campaign influence records for the Primary Campaign Source model. Records added to the Primary Campaign Source model via the API are deleted when the model is recalculated.

CampaignInfluenceModel

This read-only object represents a campaign influence model in Customizable Campaign Influence. Use campaign influence models to group `CampaignInfluence` records created by a specific set of triggers and workflows that you define. The Primary Campaign Source influence model is the default model. This object is available in API version 37.0 and later.

Note: This information applies only to Customizable Campaign Influence and not to Campaign Influence 1.0.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

To access this object, Customizable Campaign Influence must be enabled. Customer Portal users can't access this object.

Fields

Field Name	Details
`DeveloperName`	**Type** string

Field Name	Details
	Properties Filter, Group, Sort **Description** The API name of the influence model. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the model is active. Active models can generate campaign influence records. Deactivating a model deletes its campaign influence records. Custom models are always active and this field is ignored.
`IsDefaultModel`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the model is the default model (`true`) or not (`false`). `CampaignInfluence` records associated with the default model appear in 3 locations. • The Campaign Influence related list on opportunities • The Influenced Opportunities related list on campaigns • The Campaign Statistics section on campaigns The value of `IsDefaultModel` can only be true for 1 model at a time.
`IsModelLocked`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the model is locked (`true`) or not (`false`). Records for locked models can only be added, updated, or deleted via the API.

Field Name	Details
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the influence model.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The label for the influence model.
ModelDescription	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The description of the influence model.
ModelType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates whether the model is the Primary Campaign Source influence model, or a custom model. These values are the allowed. • 1: Primary Campaign Source model • 2: custom • 3: First Touch • 4: Last Touch • 5: Even Distribution
RecordPreference	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The value of this field determines when to create campaign influence records. • AllRecords: Creates records regardless of the revenue attribution percentage.

Field Name	Details
	• RecordsWithAttribution: Creates records only when the revenue attribution is greater than 0%.

CampaignMember

Represents the association between a campaign and either a lead or a contact.

Supported Calls

For API version 15.0 and earlier:`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

For API version 16.0 and later: `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`CampaignId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Campaign to which this Lead or Contact is associated.
`City`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The city for the address of the lead or contact.
`CompanyOrAccount`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The company or account of the lead or contact.

Field	Details
ContactId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required. ID of the Contact who is associated with a Campaign.
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Restricted picklist, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
Country	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The country for the address of the lead or contact.
Description	**Type** textarea **Properties** Nillable **Description** The description of the associated lead or contact.
DoNotCall	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the contact does not wish to be called.
Email	**Type** email **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Email address for the contact or lead.
`Fax`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** Fax number for the contact or lead.
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The first name of the contact or lead.
`FirstRespondedDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Indicates the date on which the campaign member was first given a responded status.
`HasOptedOutOfEmail`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the contact or lead would prefer not to receive email from Salesforce (`true`) or not (`false`).
`HasOptedOutOfFax`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the contact or lead does not wish to receive faxes.
`HasResponded`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether the campaign member has responded to the campaign (`true`) or not (`false`). Label is **Responded**.
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The last name of the contact or lead.
`LeadId`	**Type** reference **Properties** Create, Filter, Group, Nillable,Sort **Description** Required. ID of the Lead who is associated with a Campaign.
`LeadOrContactId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the associated lead or contact.
`LeadOrContactOwnerId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the owner of the associated lead or contact.
`LeadSource`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The source from which the lead was obtained.

Field	Details
MobilePhone	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The mobile phone number of the lead or contact.
Name	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** First and last name of the contact or lead with which the campaign member is associated.
Phone	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The phone number of the lead or contact.
PostalCode	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The postal code of the lead or contact.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object. To change the record type, modify the `CampaignMemberRecordTypeId` field on the associated Campaign.
Salutation	**Type** picklist **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Salutation for the lead or contact.
`State`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The state for the address of the lead or contact.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Controls the `HasResponded` flag on this object. You can't directly set the `HasResponded` flag, as it is read-only, but you can set it indirectly by setting this field in a create or update call. Each predefined value implies a `HasResponded` flag value. Each time you update this field, you implicitly update the `HasResponded` flag. In the Salesforce user interface, Marketing users can define valid status values for the `Status` picklist. They can choose one status as the default status. For each `Status` field value, they can also select which values should be counted as "Responded," meaning that the `HasResponded` flag will be set to `true` for those values. 40 character limit. Note: When creating or updating campaign members, use the text value for `Status` instead of the ID from the CampaignMemberStatus object.
`Street`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The street for the address of the lead or contact.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Title for the lead or contact.

Field	Details
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates whether the campaign member is a lead or a contact.

Note: If you are importing CampaignMember data into Salesforce and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

Each record has a unique ID, and must contain either a `ContactId` or a `LeadId`, but can't contain both. Any attempt to create a single record with both results in a successful insert but only the `ContactId` will be inserted. However, you can create two separate records on a Campaign—one for the Lead and one for the Contact.

Standard fields from a Contact or Lead are associated with the CampaignMember object but you can't query them directly. To include a lead's `Phone` in your query, for example, query the field from the Lead object.

```
SELECT Id, (SELECT Phone FROM Lead)
FROM CampaignMember
```

This object is defined only for those organizations that have the marketing feature and valid marketing licenses. If the organization does not have the marketing feature or valid marketing licenses, this object does not appear in the `describeGlobal()` call, and you can't use `describeSObjects()` or `query()` with the CampaignMember object.

In API version 16.0 and later, a `create()` call only creates a new record; in earlier versions, a `create()` call creates and updates records. The API determines whether a record exists with the specified `CampaignId` and either `ContactId` or `LeadId`.

Note: Only use a `ContactId` or `LeadId`, but not both, unless you want to track lead-based campaign members you convert to contacts.

If the record does not exist for the given `ContactId` or `LeadId`, then a new record is created. If the record exists, an error is returned and no update is made. To update an existing record, specify the ID of the CampaignMember record to update.

In API versions 15.0 and earlier, if you submit multiple records using a single create request, and if more than one record matches an existing record, only the first record submitted updates the existing record. If any of the submitted records match each other but do not match existing records, only the last record submitted is created.

The `upsert()` call is not supported in API version 16.0 and later. To use the `upsert()` call on this object, you must first delete all data in ID fields except the record ID.

To delete a record, specify the ID of the CampaignMember record to delete.

When creating or updating records, the `Status` field value specified in the call is verified as a valid status for the given Campaign:

- If the specified `Status` value is a valid status, the value is updated, and the `HasResponded` field is updated to either `true` or `false`, depending on the `Status` value association with `HasResponded`.

- If the specified `Status` value is not a valid status, the API assigns the default status to the `Status` field and updates the `HasResponded` field with the associated value. However, if the given Campaign does not have a default status, the API assigns the value specified in the call to the `Status` field, and the `HasResponded` field is set to `false`.

SEE ALSO:

Campaign
CampaignMemberStatus

CampaignMemberStatus

One or more member status values defined for a campaign.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

You can't delete a CampaignMemberStatus if that status is designated as the default status or if the status is currently used in a Campaign.

Fields

Field	Details
`CampaignId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the campaign associated with this member status.
`HasResponded`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this status is equivalent to “Responded” (`true`) or not (`false`). Beginning with API version 39.0, at least one `CampaignMemberStatus` on each campaign must have a `hasResponded` value of `true`.

Field	Details
IsDefault	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this status is the default status (`true`) or not (`false`). Beginning with API version 39.0, there must be a default CampaignMemberStatus defined for every campaign.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
Label	**Type** string **Properties** Create, Filter, Sort, Update **Description** Label for the status in the picklist. Limited to 765 characters.
SortOrder	**Type** int **Properties** Create, Filter, Group, Sort, Update, Nillable **Description** Order where this campaign member status appears in the picklist.

Usage

Use this object to create picklist items for the member status in a campaign.

This object is defined only for those organizations that have the marketing feature and valid marketing licenses. In addition, the object is accessible only to those users that are enabled as marketing users. If the organization does not have the marketing feature or valid marketing licenses, this object does not appear in a `describeGlobal()` call, and you can't use `describeSObjects()` or `query()` with the CampaignMember object.

SEE ALSO:

Campaign

CampaignMember

CampaignOwnerSharingRule

Represents the rules for sharing a campaign with User records other than the owner or anyone above the owner in the role hierarchy.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CampaignAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With

Field	Details
	this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. ACampaign owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

Usage

Use this object to manage the sharing rules for campaigns.

SEE ALSO:

Metadata API Developer Guide: SharingRules

CampaignShare

Represents a sharing entry on a Campaign.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`CampaignId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Campaign associated with this sharing entry. This field can't be updated.
`CampaignAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to the Campaign. The possible values are: • `Read` • `Edit` • `All` (This value is not valid for creating or updating records.) This field must be set to an access level that is higher than the organization's default access level for Campaign.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values: • `Rule`—The User or Group has access via a Campaign sharing rule. • `Manual`—The User or Group has access because a User with "`All`" access manually shared the Campaign with them. • `Owner`—The User is the owner of the Campaign.

Field	Details
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Campaign. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit Campaign records owned by other users.

CampaignTag

Associates a word or short phrase with a Campaign.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.

Field Name	Details
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

CampaignTag stores the relationship between its parent TagDefinition and the Campaign being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

Case

Represents a case, which is a customer issue or problem.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AccountId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** ID of the account associated with this case.
`BusinessHoursId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the business hours associated with this case.
`Comments`	**Type** reference **Properties** Create, Delete, Layout, Nillable, Query, Retrieve, Search, Sort, Undelete, Update **Description** Used to insert a new CaseComment. Email textarea has a length of 4000 chars.
`CaseNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** Assigned automatically when each case is inserted. It can't be set directly, and it can't be modified after the case is created.
`ClosedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the case was closed.
`CommunityId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the Community (Zone) associated with this case. This field is available in API version 24.0 and later.

Field	Details
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`ContactEmail`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** Email address for the Contact. The Case.ContactEmail field displays the Email field on the contact on page 467 that is referenced by Case.ContactId. Label is `Contact Email`. This field is available in API version 38.0 and later.
`ContactFax`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** Fax number for the Contact. Label is `Contact Fax`. This field is available in API version 38.0 and later.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the associated Contact.

Field	Details
ContactMobile	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** Mobile telephone number for the Contact. Label is `Contact Mobile`. This field is available in API version 38.0 and later.
ContactPhone	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** Telephone number for the Contact. Label is `Contact Phone`. This field is available in API version 38.0 and later.
CreatorFullPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the user who posted the question or reply. Only the first name of internal users (agents) appears to portal users in the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorSmallPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's thumbnail photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.

Field	Details
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** A text description of the case. Limit: 32 KB.
FeedItemId	**Type** reference **Properties** Create, Group, Nillable, Sort **Description** ID of the question in Chatter associated with the case. This field is available in API version 33.0 and later, and is only accessible in organizations where Question-to-Case is enabled.
HasCommentsUnreadByOwner	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a case contains comments that the case owner hasn't read (`true`) or not (`false`).
HasSelfServiceComments	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a case has comments added by a Self-Service user (`true`) or not (`false`).
IsClosed	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the case is closed (`true`) or open (`false`). This field is controlled by the `Status` field; it can't be set directly. Label is `Closed`.
IsClosedOnCreate	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the case was closed at the same time that it was created (`true`) or not (`false`). This flag is read-only and is automatically set when a record is created. It can't be set to `true` unless the `IsClosed` flag is also `true`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is `Deleted`.
`IsEscalated`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the case has been escalated (`true`) or not. A case's escalated state does not affect how you can use a case, or whether you can query, delete, or update it. You can set this flag via the API. Label is `Escalated`.
`IsSelfServiceClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the case is closed for Self-Service users (`true`) or not (`false`).
`IsStopped`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether an entitlement process on a case is stopped (`true`) or not (`false`).
`IsVisibleInSelfService`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the case can be viewed in the Customer Service Portal, Partner Service Portal, and Self-Service Portal (`true`) or not (`false`). This field is applied for case visibility in the Partner Relationship Management, Customer Service Portal, and the earlier version of Self Service Portal. The field does not alter sharing and will not prevent usage of a direct URL to a case if a portal user has read or write access.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Origin`	**Type** picklist **Properties** Create, Filter, Group, Nillable,Sort, Update **Description** The source of the case, such as `Email`, `Phone`, or `Web`. Label is `Case Origin`.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the contact who owns the case.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the parent case in the hierarchy. The label is `Parent Case`.

Field	Details
`Priority`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The importance or urgency of the case, such as `High`, `Medium`, or `Low`.
`QuestionId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The question in the answers community that is associated with the case. This field does not appear if you don't have an answers community enabled.
`Reason`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The reason why the case was created, such as `Instructions not clear`, or `User didn’t attend training`.
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
`SlaStartDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Update **Description** Shows the time that the case entered an entitlement process. If you have the “Edit” permission on cases, you can update or reset the time if you have the “Edit” permission on cases. This field is available in API version 18.0 and later.
`SourceId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the social post source.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the case, such as “New,” “Closed,” or “Escalated.” This field directly controls the `IsClosed` flag. Each predefined `Status` value implies an `IsClosed` flag value. For more information, see CaseStatus.
`StopStartDate`	**Type** dateTime **Properties** Filter, Nillable **Description** The date and time an entitlement process was stopped on the case. This field is available in API version 18.0 and later.
`Subject`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The subject of the case. Limit: 255 characters.
`SuppliedCompany`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The company name that was entered when the case was created. This field can't be updated after the case has been created. Label is `Company`.
`SuppliedEmail`	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description The email address that was entered when the case was created. This field can't be updated after the case has been created. Label is `Email`. If your organization has an active auto-response rule, `SuppliedEmail` is required when creating a case via the API. Auto-response rules use the email in the contact specified by `ContactId`. If no email address is in the contact record, the email specified here is used.
`SuppliedName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The name that was entered when the case was created. This field can't be updated after the case has been created. Label is `Name`.
`SuppliedPhone`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The phone number that was entered when the case was created. This field can't be updated after the case has been created. Label is `Phone`.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The type of case, such as `Feature Request` or `Question`.

Note: If you are importing Case data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself.

Usage

Use the Case object to manage cases for your organization. Client applications can query, update, and delete Attachment records associated with a case via the API.

Assignment Rules

When you query or update a case, your client application can have the case automatically assigned to one or more User records based on assignment rules that have been configured in the user interface. To use this feature, your client application must set either of the following options (but not both) in the AssignmentRuleHeader used in the create or update:

Field	Field Type	Details
`assignmentRuleId`	reference	ID of the assignment rule to use. Can be an inactive assignment rule. If unspecified and `useDefaultRule` is `true`, then the default assignment rule is used. To find the ID for a given assignment rule, query the AssignmentRule object (specifying `RuleType="caseAssignment"`), iterate through the returned AssignmentRule objects, find the one you want to use, retrieve its ID, and then specify its ID in this field in the AssignmentRuleHeader.
`useDefaultRule`	boolean	Specifies whether to use the default rule for rule-based assignment (`true`) or not (`false`). The default rule is assigned by users in the Salesforce user interface.

For a code example that shows setting the AssignmentRuleHeader for a Lead (which is similar to setting the AssignmentRuleHeader for a Case), see Lead.

Separating Accounts from Contacts in Cases

In releases before 8.0, the `AccountId` could not be specified, it was derived from the contact's account. This behavior will continue to be supported in future releases, but you can also now specify an `AccountId`. If you do not specify the `AccountId` during the creation of a case, the value will default to the contact's `AccountId`.

Note: When a record is updated, if the `ContactId` has not changed, then the `AccountId` is not regenerated. This prevents the API from overwriting a value previously changed in the Salesforce user interface. However, if an API call changes the `ContactId` and the `AccountId` field is empty, then the `AccountId` is generated using the contact's account.

Using `_case` with Java

Depending on the development tool you use, you might need to write your application using `_case` instead of `Case`, because `case` is a reserved word in Java.

SEE ALSO:

Account

CaseMilestone

CaseArticle

Represents the association between a Case and a KnowledgeArticle. This object is available in API version 20.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Access to this object is controlled by the parent Case and KnowledgeArticle. However, when querying, access is only controlled by the parent Case.

Customer Portal users can't access this object.

Fields

Field	Details
`ArticleLanguage`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The language of the article associated with the case.
`ArticleVersionNumber`	**Type** int **Properties** Create, Group, Nillable **Description** The number assigned to a version of an article. This field is available in API version 24.0 and later.
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the Case associated with the KnowledgeArticle.
`IsSharedByEmail`	**Type** int **Properties** Create, Group, Nillable **Description** Indicates that the article has been shared with the customer through an email.

Field	Details
`KnowledgeArticleId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the KnowledgeArticle associated with the Case.

Usage

This object represents the association of a knowledge article with a Case. An article is associated with a case when it's relevant to a specific issue, when it helps an agent solve the case, or when the agent sends the article to a customer.

You can use this object to include case-article associations in Apex and Visualforce.

You can't update this object via the API. If you attempt to create a record that matches an existing record, the create request simply returns the existing record.

SEE ALSO:

Case

KnowledgeArticle

CaseComment

Represents a comment that provides additional information about the associated Case.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`CommentBody`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Text of the CaseComment. The maximum size of the comment body is 4,000 bytes. Label is **Body**.

Field	Details
ConnectionReceivedId	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
ConnectionSentId	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
CreatorFullPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the user who posted the question or reply. Only the first name of internal users (agents) appears to portal users in the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorSmallPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description URL of the user's thumbnail photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsNotificationSelected`	**Type** boolean **Properties** Create, Defaulted on create, Update **Description** Indicates whether an email notification is sent to the case contact when a CaseComment is created or updated. When this field is queried, it always returns null. This field is available only when the `Enable Case Comment Notification to Contacts` setting is enabled on the Support Settings page in Setup. To send email notifications for CaseComment, you must use the `EmailHeader triggerUserEmail`. Available in API version 43.0 and later.
`IsPublished`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the CaseComment is visible to customers in the Self-Service portal (`true`) or not (`false`). Label is **Published**. This is the only CaseComment field that can be updated via the API.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort, **Description** Required. ID of the parent Case of the CaseComment.

Note: If you are importing CaseComment data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

In the Salesforce user interface, comments are generally entered by a User working on a Case. All users have access to create and view CaseComment in the Salesforce user interface and when using the API. In the API, CaseComment records can't be modified after insertion unless the user has the “Modify All” object-level permission for Cases or the “Modify All Data” permission. If not, users can only update the `IsPublished` field, and can't delete CaseComment.

SEE ALSO:

Object Basics

CaseContactRole

Represents the role that a given Contact plays on a Case.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CasesId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the cases associated with this contact.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the contact.
`IsDeleted`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`Role`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the role played by the contact on this contract, such as Decision Maker, Approver, Buyer, and so on. Must be unique—there can't be multiple records in which the `ContractId`, `ContactId`, and `Role` values are identical. Different contacts can play the same role on the same contract. A contact can play different roles on the same contract.

Usage

Use this object to define the role that a given Case plays on a given Contact. For example, you can use this object to be able to see all contacts who are associated to a case, or, given a contact, be able to query all cases that they are associated with, even if they are not the primary contact on the case.

CaseFeed

Represents a single feed item in the feed displayed on the detail page for a case record. A case feed shows recent changes to a case record for any fields that are tracked in feeds, and comments and posts about the record. It is a useful way to stay up-to-date with changes to cases. This object is available in API version 18.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Case object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the CaseFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator and the `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable

Field	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is `ContentPost`. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`FeedPostId`	**Type** reference **Properties** Filter. Group, Nillable, Sort

Field	Details
	Description This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. Use FeedItem instead. The ID of the associated FeedPost. A FeedPost represents the following types of changes in a CaseFeed: status updates, changes to tracked fields, text posts, link posts, and content posts. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>`

Field	Details
	• `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on the feed item, then `LastModifiedDate` becomes the `CreatedDate` for the FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkURL`	**Type** url **Properties** Nillable, Sort **Description** The URL of the `LinkPost`.

Field	Details
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. NetworkScope can have the following values: • NetworkId—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the case record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordID	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion article associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a CaseFeed object of Type ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description The title of the CaseFeed. When the `Type` is `LinkPost`, the `LinkURL` is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of CaseFeed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed.

Field	Details
	• `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for a case record.

SEE ALSO:

Case
EntitySubscription
NewsFeed
FeedItem
UserProfileFeed

CaseHistory

Represents historical information about changes that have been made to the associated Case.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

This object is always read-only.

Fields

Field	Details
`CaseId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Case associated with this record.
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the case field that was modified, or a special value to indicate some other modification to the case. The possible values, in addition to the case field names, are: • **ownerAssignment**—The owner of the case was changed. • **ownerAccepted**—A user took ownership of a case from a queue.

Field	Details
	• **ownerEscalated**—The owner of the case was changed due to case escalation. • **external**—A user made the case visible to customers in the Customer Self-Service Portal.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the modified case field. Maximum of 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified case field. Maximum of 255 characters.

Usage

Case history entries are indirectly created each time a case is modified.

Two rows are added to this record when foreign key fields change. One row contains the foreign key object names that display in the online application. For example, `Jane Doe` is recorded as the name of a Contact. The other row contains the actual foreign key ID that is only returned to and visible from the API.

This object respects field level security on the parent object.

SEE ALSO:

Object Basics

CaseMilestone

Represents a milestone (required step in a customer support process) on a Case. This object is available in API version 18.0 and later.

Supported Calls

`describeCompactLayouts()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`BusinessHoursId`	**Type** reference **Properties** Filter, Group, Nillable,Sort **Description** ID of the BusinessHours associated with the CaseMilestone.
`CaseId`	**Type** reference **Properties** Filter **Description** ID of the case.
`CompletionDate`	**Type** dateTime **Properties** Filter, Nillable, Update **Description** The date and time the milestone was completed.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Nillable **Description** The time required to complete a milestone in days.
`ElapsedTimeInHrs`	**Type** double **Properties** Filter, Nillable **Description** The time required to complete a milestone in hours.

Field	Details
`ElapsedTimeInMins`	**Type** int **Properties** Filter, Nillable **Description** The time required to complete a milestone in minutes.
`IsCompleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the milestone is completed (`true`) or not (`false`).
`IsViolated`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the milestone is violated (`true`) or not (`false`).
`MilestoneTypeId`	**Type** reference **Properties** Filter, Nillable **Description** The ID of the milestone on the case.
`StartDate`	**Type** dateTime **Properties** Filter, Nillable, Update **Description** The date and time the milestone started on the case.
`TargetDate`	**Type** dateTime **Properties** Filter **Description** The date and time the milestone must be completed.

Field	Details
TargetResponseInDays	**Type** double **Properties** Filter, Nillable **Description** The time to complete the milestone in days.
TargetResponseInHrs	**Type** double **Properties** Filter, Nillable **Description** The time to complete the milestone in hours.
TargetResponseInMins	**Type** int **Properties** Filter, Nillable **Description** The time to complete the milestone in minutes.
TimeSinceTargetInMins	**Type** text **Properties** Nillable **Description** The time elapsed since the milestone target. The format is minutes and seconds.
TimeRemainingInMins	**Type** text **Properties** Nillable **Description** Time remaining to reach the milestone target. The format is minutes and seconds.

Usage

This object lets you view a milestone on a case. It also lets you view if the milestone was completed and when it must be completed.

SEE ALSO:

Case

MilestoneType

SlaProcess

CaseOwnerSharingRule

Represents the rules for sharing a case with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
CaseAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • Read • Edit
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Cases owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description The ID representing the target user or group. Target users or groups are given access.

Usage

Use this object to manage the sharing rules for cases. General sharing and territory management-related sharing use this object.

SEE ALSO:

Case

CaseShare

Metadata API Developer Guide: SharingRules

CaseShare

Represents a sharing entry on a Case.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`CaseAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to the Case. The possible values are: • `Read` • `Edit` • `All` This value is not valid for creating or deleting records.

Field	Details
	This field must be set to an access level that is higher than the organization's default access level for cases.
CaseId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Case associated with this sharing entry. This field can't be updated.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the Case with them. • `Owner`—The User is the owner of the Case. • `ImplicitChild`—User or Group has access to the Case on the Account associated with this Case. • `Rule`—The User or Group has access via a Case sharing rule.
UserOrGroupId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Case. This field can't be updated.

Usage

This object allows you to determine which users and groups can view and edit Case records owned by other users.

If you attempt to create a new record that matches an existing record, request updates any modified fields and returns the existing record.

SEE ALSO:

AccountShare

LeadShare

OpportunityShare

CaseSolution

Represents the association between a Case and a Solution.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Case associated with the Solution.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`SolutionId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description Required. ID of the Solution associated with the case.

Usage

You can't update this object via the API. If you attempt to create a record that matches an existing record, the request simply returns the existing record.

SEE ALSO:

CaseShare

SolutionStatus

CaseStatus

Represents the status of a Case, such as New, On Hold, or In Process.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this case status value represents a closed Case (`true`) or not (`false`). Multiple case status values can represent a closed Case.
`IsDefault`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether this is the default case status value (`true`) or not (`false`) in the picklist.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this case status value. This display value is the internal label that does not get translated.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the case status picklist. These numbers are not guaranteed to be sequential, as some previous case status values might have been deleted.

Usage

This object represents a value in the case status picklist. The case status picklist provides additional information about the status of a Case, such as whether a given `Status` value represents an open or closed case. Query the CaseStatus object to retrieve the set of values in the case status picklist, and then use that information while processing Case records to determine more information about a given case. For example, the application could test whether a given case is open or closed based on its `Status` value and the value of the `IsClosed` property in the associated CaseStatus object.

SEE ALSO:

Object Basics

CaseTag

Associates a word or short phrase with a Case

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
ItemId	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
Name	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
TagDefinitionId	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
Type	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

CaseTag stores the relationship between its parent TagDefinition and the Case being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

CaseTeamMember

Represents a case team member, who works with a team of other users to help resolve a case.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`MemberId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or contact who is a member on a case team.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the case with which the case team member is associated.
`TeamRoleId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the case team role with which the case team member is associated.
`TeamTemplateId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the predefined team with which the case team member is associated.

Field	Details
TeamTemplateMemberId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the team member included in a predefined case team.

CaseTeamRole

Represents a case team role. Every case team member has a role on a case, such as “Customer Contact” or “Case Manager.”

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group for cases. The possible values are: • `None` • `Read` • `Edit`
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the case team role.
PreferencesVisibleInCSP	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Indicates whether or not the case team role is visible to Customer Portal users.

CaseTeamTemplate

Represents a predefined case team, which is a group of users that helps resolve a case.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A text description of the predefined case team.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the predefined case team.

CaseTeamTemplateMember

Represents a member on a predefined case team, which is a group of users that helps resolve cases.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
MemberId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or contact who is a team member on a predefined case team.
TeamRoleId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the predefined case team member's case team role.
TeamTemplateId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the predefined case team's template.

CaseTeamTemplateRecord

The CaseTeamTemplateRecord object is a linking object between the Case and CaseTeamTemplate objects. To assign a predefined case team to a case (customer inquiry), create a CaseTeamTemplateRecord record and point the `ParentId` to the case and the `TeamTemplateId` to the predefined case team.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the case with which the case team template record is associated.
TeamTemplateId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the predefined case team with which the case team template record is associated.

CategoryData

Represents a logical grouping of Solution records.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
CategoryNodeId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the CategoryNode associated with the solution.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
RelatedSobjectId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the solution related to the category.

Usage

This object allows you to assign one or more categories to a Solution. It is an intermediate data table with two foreign keys that defines the relationship between a CategoryNode and a Solution record.

CategoryData has two foreign keys:

- The first foreign key, `CategoryNodeId`, refers to the ID of a CategoryNode.
- The other foreign key, `RelatedSobjectId`, refers to a Solution ID.

This is a many-to-many relationship, so there can be multiple rows returned with a `CategoryNodeId`. A Solution can be associated with multiple categories.

SEE ALSO:

Object Basics

CategoryNode

Represents a tree of Solution categories.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Customer Portal users can't access this object.

- Attempting to delete a CategoryNode that has children (referred by CategoryNode.Parent), or is referred to elsewhere, causes a failure.

Fields

Field	Details
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label for the category node.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the parent of this node, if any.
`SortOrder`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the sort order of child CategoryNode objects.
`SortStyle`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates whether the sort order is alphabetical or custom.

Usage

A CategoryNode defines a category of solutions. In the user interface, you can edit category definitions from Setup by entering *`Solution Categories`* in the `Quick Find` box, then selecting **Solution Categories**.

SEE ALSO:

CategoryData

Solution

CategoryNodeLocalization

When the Translation Workbench is enabled for your organization, the CategoryNodeLocalization object provides the translation of the label of a solution category.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Your organization must be using Professional, Enterprise, Developer, Unlimited, or Performance Edition and be enabled for the Translation Workbench.
- To view this object, you must have the "View Setup and Configuration" permission.

Fields

Field	Details
`CategoryNodeId`	**Type** reference **Properties** Create, Filter, Nillable **Description** The ID of the solution CategoryNode that is being translated.
`LanguageLocaleKey`	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist **Description** This field is available in API version 16.0 and earlier. It is the same as the `Language` field.
`Language`	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist **Description** This field is available in API version 17.0 and later. The combined language and locale ISO code, which controls the language for labels displayed in an application. This picklist contains the following fully-supported languages:

Field	Details
	• Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th` The following end-user only languages are available. • Arabic: `ar` • Bulgarian: `bg` • Croatian: `hr` • Czech: `cs` • English (UK): `en_GB` • Greek: `el` • Hebrew: `iw` • Hungarian: `hu` • Indonesian: `in` • Polish: `pl` • Portuguese (European): `pt_PT` • Romanian: `ro` • Slovak: `sk` • Slovenian: `sl` • Turkish: `tr` • Ukrainian: `uk` • Vietnamese: `vi` The following platform languages are available for organizations that use Salesforce exclusively as a platform.

Field	Details
	• Albanian: sq • Arabic (Algeria): ar_DZ • Arabic (Bahrain): ar_BH • Arabic (Egypt): ar_EG • Arabic (Iraq): ar_IQ • Arabic (Jordan): ar_JO • Arabic (Kuwait): ar_KW • Arabic (Lebanon): ar_LB • Arabic (Libya): ar_LY • Arabic (Morocco): ar_MA • Arabic (Oman): ar_OM • Arabic (Qatar): ar_QA • Arabic (Saudi Arabia): ar_SA • Arabic (Sudan): ar_SD • Arabic (Syria): ar_SY • Arabic (Tunisia): ar_TN • Arabic (United Arab Emirates): ar_AE • Arabic (Yemen): ar_YE • Armenian: hy • Basque: eu • Bosnian: bs • Bengali: bn • Catalan: ca • Chinese (Simplified—Singapore): zh_SG • Chinese (Traditional—Hong Kong): zh_HK • Dutch (Belgium): nl_BE • English (Australia): en_AU • English (Canada): en_CA • English (Hong Kong): en_HK • English (India): en_IN • English (Ireland): en_IE • English (Malaysia): en_MY • English (Philippines): en_PH • English (Singapore): en_SG • English (South Africa): en_ZA • Estonian: et • French (Belgium): fr_BE • French (Canada): fr_CA

Field	Details
	• French (Luxembourg): `fr_LU` • French (Switzerland): `fr_CH` • Georgian: `ka` • German (Austria): `de_AT` • German (Belgium): `de_BE` • German (Luxembourg): `de_LU` • German (Switzerland): `de_CH` • Hindi: `hi` • Icelandic: `is` • Irish: `ga` • Italian (Switzerland): `it_CH` • Latvian: `lv` • Lithuanian: `lt` • Luxembourgish: `lb` • Macedonian: `mk` • Malay: `ms` • Maltese: `mt` • Romanian (Moldova): `ro_MD` • Montenegrin: `sh_ME` • Romansh: `rm` • Serbian (Cyrillic): `sr` • Serbian (Latin): `sh` • Spanish (Argentina): `es_AR` • Spanish (Bolivia): `es_BO` • Spanish (Chile): `es_CL` • Spanish (Colombia): `es_CO` • Spanish (Costa Rica): `es_CR` • Spanish (Dominican Republic): `es_DO` • Spanish (Ecuador): `es_EC` • Spanish (El Salvador): `es_SV` • Spanish (Guatemala): `es_GT` • Spanish (Honduras): `es_HN` • Spanish (Nicaragua): `es_NI` • Spanish (Panama): `es_PA` • Spanish (Paraguay): `es_PY` • Spanish (Peru): `es_PE` • Spanish (Puerto Rico): `es_PR` • Spanish (United States): `es_US`

Field	Details
	• Spanish (Uruguay): `es_UY` • Spanish (Venezuela): `es_VE` • Tagalog: `tl` • Tamil: `ta` • Urdu: `ur` • Welsh: `cy` The values in this field are not related to the default locale selection.
`NamespacePrefix`	**Type** string **Properties** Filter, Nillable **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The actual translated label for the solution category. Label is **Translation**.

Usage

Use this object to translate the labels of your solution categories into a supported language. Users with the Translation Workbench enabled can view category node translations, but either the “Customize Application,” “Manage Translation,” or “Manage Categories” permission is required to create or update category node translations.

SEE ALSO:

ScontrolLocalization

WebLinkLocalization

ChannelProgram

Represents a channel program that vendors use to market and sell their products through channel partners. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
`Category`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Category of the channel program. Categories group channel programs by type. For example, a reseller category would include all the different regional reseller channel programs.
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the channel program.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description Indicates whether the channel program is active. New channel programs are inactive by default.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the channel program.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the channel program.

ChannelProgramFeed

Represents a single feed item on a channel program feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.

Field Name	Details
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are: • NetworkId—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope. • Only feed items with a CollaborationGroup or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the channel program.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a RypplePost. This field is typically null for all posts except ContentPost and RypplePost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.

Field Name	Details
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field.

Field Name	Details
	• `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

ChannelProgramHistory

Represents the history of changes to the values in the fields of a channel program object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ChannelProgramId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the channel program.
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Old value of the field that was changed.

ChannelProgramLevel

Represents a level, based on member experience, in a channel program. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the channel program level.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Name of the channel program level.

Field Name	Details
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Required. ID of the user who is the owner of the record.
ProgramId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the channel program.
Rank	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An integer associated with the level. For example, 1 represents the lowest level, 2 the next level up, etc.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.

ChannelProgramLevelFeed

Represents a single feed item on a channel program level feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags:

Field Name	Details
	• `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are:

Field Name	Details
	• `NetworkId`—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`. • Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the channel program level.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email

Field Name	Details
	tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event.

Field Name	Details
	• `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

ChannelProgramLevelHistory

Represents the history of changes to the values in the fields of a channel program level object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ChannelProgramLevelId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the channel program level.
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Old value of the field that was changed.

ChannelProgramLevelShare

Represents a sharing entry on a channel program level record. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the channel program level record with them. • `Owner`—The user is the owner of the channel program record or is in a role above the channel program level record owner in the role hierarchy.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the channel program level record.

ChannelProgramMember

Represents a partner who is a member of a channel program. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
LevelId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the channel program level.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** Name of the channel program member.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Required. ID of the user who is the owner fo the record.
PartnerId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the partner.
ProgramId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the channel program.

ChannelProgramMemberShare

Represents a sharing entry on a channel program member record. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the channel program member record with them. • `Owner`—The user is the owner of the channel program record or is in a role above the channel program member record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description ID of the user or group that has been given access to the channel program member record.

ChannelProgramOwnerSharingRule

Represents a rule for sharing a channel program object with users other than the owner. This object is available in API version 41.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines the level of access users have to channel program records. Values are: • `Read Only` • `Read/Write`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the sharing rule. Maximum length is 1000 characters.
`DeveloperName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the source group. Channel program records that are owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Label of the sharing rule as it appears in the UI. Maximum length is 80 characters.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that you are granting access to.

SEE ALSO:

ChannelProgram

ChannelProgramShare

Metadata API Developer Guide: SharingRules

ChannelProgramShare

Represents a sharing entry on a channel program record. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the channel program record with them. • `Owner`—The user is the owner of the channel program record or is in a role above the channel program record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the channel program record.

ChatterActivity

ChatterActivity represents the number of posts and comments made by a user and the number of comments and likes on posts and comments received by the same user. This object is available in API version 23.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments made by the ParentId.
`CommentReceivedCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments received by the ParentId.
`InfluenceRawRank`	**Type** int **Properties** Filter, Group, Sort **Description** Number indicating the ParentId's Chatter influence rank, which is calculated based on the ParentId's ChatterActivity statistics, relative to the other users in the organization. This field is available in API version 26.0 and later.
`LikeReceivedCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes received by the ParentId.

Field Name	Details
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Identifier of the community to which the ChatterActivity belongs. This field is available only if Salesforce Communities is enabled in your organization. This field is available in API version 26.0 and later.
`ParentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Identifier of the object type to which the ChatterActivity is related. In API version 43.0, the `ParentId` must be a `UserId` or SelfServiceUser ID.
`PostCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedItems made by the ParentId.

Usage

- Use this object to reference the Chatter activity statistics, which include the number of posts and comments made by a user and the number of comments and likes on posts and comments received by the same user.
- You can directly query for ChatterActivity.

```
SELECT Id, PostCount, LikeReceivedCount
FROM ChatterActivity
WHERE ParentId = UserId
```

Note: To query ChatterActivity, you must provide the `ParentId`. In API version 43.0, the `ParentId` must be a `UserId` or SelfServiceUser ID.

- A ChatterActivity record is created for users the first time they post or comment. Users who have never posted or commented don't have ChatterActivity records. If users make only one post and then delete it, they do have ChatterActivity records. In both cases, the user interface displays zeros for their Chatter activity.

- Use the `InfluenceRawRank` field to reference a user's Chatter influence rank. This field is available in API version 26.0 and later.

SEE ALSO:
FeedItem
FeedComment
FeedLike

ChatterAnswersActivity

Represents the reputation of a User in Chatter Answers communities. This object is available in API version 25.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
BestAnswerReceivedCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of best answers the User has received from other users.
BestAnswerSelectedCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of best answers the User has selected.
QuestionsCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of Question records posted by the User.
QuestionSubscrCount	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The number of Question records the User has selected to follow.
QuestionSubscrReceivedCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of users following Question records posted by the User.
QuestionUpVotesCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of up votes the User has marked on Question records posted by other users.
QuestionUpVotesReceivedCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of up votes the User has received from other users on the Question records he or she has posted.
RepliesCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of Reply records posted by the User.
ReplyDownVotesCount	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The number of down votes the User has marked on Reply records posted by other users.
`ReplyDownVotesReceivedCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of down votes the User has received from other users on the Reply records he or she has posted.
`ReplyUpVotesCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of up votes the User has marked on the Reply records posted by other users.
`ReplyUpVotesReceivedCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of up votes the User has received from other users on the Reply records he or she has posted.
`ReportAbuseOnQuestionsCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of abuses that the User has reported on Question records posted by other users.
`ReportAbuseOnRepliesCount`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The number of abuses that the User has reported on Reply records posted by other users.
ReportAbuseReceivedOnQnCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of abuses reported by other users on the Question records posted by the User.
ReportAbuseReceivedOnReCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** the number of abuses reported by other users on the Reply records posted by the User.
UserId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The User ID associated with this reputation.
CommunityId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID for the zone associated with this reputation.

Usage

Use this object to view metrics on User activity in Chatter Answers. For example, you can use the ChatterAnswersActivity object to view the number of Question records a user is following in Chatter Answers communities.

SEE ALSO:

Question

Reply

User

ChatterAnswersReputationLevel

Represents a reputation level within a Chatter Answers zone. This object is available in API version 26.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`CommunityID`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the zone for which you're creating the reputation level.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the reputation level.
`Value`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Minimum number of points for this level.

Usage

Use to create or edit reputation levels for the zone.

ChatterConversation

Represents a private conversation in Chatter, consisting of messages that conversation members have sent or received. This object is available in API version 23.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Id`	**Type** ID **Properties** Defaulted on create, Filter, Group, Sort **Description** ID of the conversation.

Usage

Use this object to identify private conversations in Chatter. Users can access this object if they have the “Manage Chatter Messages and Direct Messages” permission. This object is read-only via the API and is provided only to allow administrators to view users' Chatter messages; for example, for compliance purposes.

SEE ALSO:
ChatterConversationMember
ChatterMessage

ChatterConversationMember

Represents a member of a private conversation in Chatter. A member has either sent messages to or received messages from other conversation participants. This object is available in API version 23.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ConversationId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the associated ChatterConversation.
`MemberId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the conversation member.

Usage

Use this object to view members of private conversations in Chatter. Users can access this object if they have the "Manage Chatter Messages and Direct Messages" permission. This object is read-only via the API and is provided only to allow administrators to view users' Chatter messages; for example, for compliance purposes.

SEE ALSO:

ChatterConversation

ChatterMessage

ChatterMessage

Represents a message sent as part of a private conversation in Chatter. This object is available in API version 23.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`Body`	**Type** textarea

Field Name	Details
	Properties Update **Description** Text of the message.
ConversationId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the conversation that the ChatterMessage is associated with.
SenderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the sender.
SenderNetworkId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the community from which the message was sent. This field is available only if Salesforce Communities is enabled in your organization. This field is available in API version 32.0 and later.
SentDate	**Type** dateTime **Properties** Filter, Sort **Description** Date the message was sent.

Usage

Use this object to view and delete messages sent or received via private conversations in Chatter. Users can access this object if they have the "Manage Chatter Messages and Direct Messages" permission. Users with the "Moderate Communities Chatter Messages" permission can access this object in communities they're a member of, only if the message has been flagged as inappropriate. This object is provided to allow administrators to view and delete users' Chatter messages, for example, for compliance purposes.

Messages are hard deleted. They aren't sent to the recycle bin.

Deleting a message that resulted from sharing a file with someone does not delete the file itself.

SEE ALSO:

ChatterConversation

ChatterConversationMember

ClientBrowser

Represents a cookie added to the browser upon login, and also includes information about the browser application where the cookie was inserted. This object is available in version 28.0 and later.

Supported Calls

`describeSObjects()`, `delete()`, `query()`, `retrieve()`

Fields

Field	Details
`FullUserAgent`	**Type** string **Properties** Filter, Nillable, Sort **Description** Detailed information about the client (browser). For example, `Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.0.1) Gecko/2008070208 Firefox/3.0.1`
`LastUpdate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Represents the last time the cookie was changed.
`ProxyInfo`	**Type** string **Properties** Filter, Nillable, Sort **Description** The browser's current proxy information.

Field	Details
UsersId	**Type** reference **Properties** Nillable, Group, Sort **Description** The ID of the user associated with this item.

Usage

At every login, the device the login request is from is checked against the known devices using ClientBrowser. A match means a cookie was found on the browser that matches an entry in the ClientBrowser table, so the device is known. No match means that no matching cookie was found, so the device is unknown, and the user is asked to confirm their identity.

CollaborationGroup

Represents a Chatter group. This object is available in API version 19.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

The visibility of information in groups depends on the type of group and the user's permissions.

- **Members**: Any user with the "Create and Own New Chatter Groups" permission can create public, private, and unlisted groups, including in any communities they belong to.
- **Owners and managers**: Users can modify group details for any group they own or manage. Owners can also delete groups they own.
- **Nonmembers**: These user permissions allow group access regardless of group membership.
  - "View All Data"—Allows users to view all public and private groups across their organization and its communities. Users with this permission can't view unlisted group information, unless they have the "Modify Unlisted Groups" permission as well.
  - "Modify All Data"—Allows users to view, modify, and delete all public and private groups across their organization and its communities. Users with this permission can't view or modify unlisted group information, unless they have the "Manage Unlisted Groups" permission as well.
  - "Create and Customize Communities"—Allows users to view, modify, and delete all public and private groups in communities.
  - "Manage Unlisted Groups"—Allows users to search for, access, and modify any unlisted group in an organization and its communities.
  - "Data Export"—Allows users to export any data from Salesforce, including private and unlisted group data from an organization and its communities.

- **Apex and Visualforce**: Apex code runs in system mode, which means that the permissions of the current user aren't taken into account.
  - Visualforce pages that display groups might expose unlisted or private group data to users who aren't members.
  - Because system mode disregards the user's permissions, all users who are accessing a Visualforce page that's showing a group can act as an owner of that group.
  - AppExchange apps that are written in Apex and that access all groups will expose unlisted groups to users who aren't members.

To limit and manage access to the unlisted and private groups in your organization:

- Explicitly filter out unlisted and private group information from SOQL queries in all Apex code.
- Use permission sets, profile-level permissions, and sharing checks in your code to further limit group access.
- Use Apex triggers on the CollaborationGroup object to monitor and manage the creation of groups. In Setup, enter *`Group Triggers`* in the `Quick Find` box, then select **Group Triggers** to add triggers.

Fields

Field	Details
`AnnouncementId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contains the ID of the Announcement last associated with the group. This field is available in API version 30.0 and later.
`BannerPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for the group's banner photo. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo. This field is available in API version 36.0 and later.
`CanHaveGuests`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If set to `true`, indicates that a group allows customers. Chatter customers are people outside your company's email domains who can only see groups they're invited to and interact with members of those groups; they can't see any Salesforce information.

Field	Details
	This field is available starting in API version 23.0, but groups that allow customers are accessible from earlier API versions. However, when accessed from earlier API versions, groups that allow customers aren't distinguishable from private groups. We strongly recommend that you upgrade to the latest API version. If you must use an earlier version, name groups that allow customers to indicate that they include customers.
`CollaborationType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of Chatter group. Available values are: • `Public`—Anyone can see and post updates. Anyone can join a public group. • `Private`—Only members can see the group feed and post updates. Non-members can only see the group name and a few other details in list views, search, and on the group page. The group's owner or managers must add members who request to join the group. • `Unlisted`—Only members and users with the “Manage Unlisted Groups” permission can see the group and post updates. Other users can’t access the group or see it in lists, search, and feeds.
`Description`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the group.
`FullPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for the group's profile photo. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo. This field is available in API version 20.0 and later.
`GroupEmail`	**Type** email

Field	Details
	Properties Group, Nillable, Sort **Description** The email address for posting to the group. For private groups, only visible to members and users with “Modify All Data” or “View All Data” permissions. This field is available in API version 29.0 and later.
`HasPrivateFieldsAccess`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If set to `true`, indicates that a user can see the `InformationBody` and `InformationTitle` fields in a private group. This field is set to `true` for members of a private group and users with “Modify All Data” or “View All Data” permissions.
`InformationBody`	**Type** textarea **Properties** Create, Nillable, Update **Description** The text of the Information section. For private groups, only visible to members and users with “Modify All Data” or “View All Data” permissions.
`InformationTitle`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The title of the Information section. For private groups, only visible to members and users with “Modify All Data” or “View All Data” permissions.
`IsArchived`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the group is archived (`true`) or not (`false`).
`IsAutoArchiveDisabled`	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether automatic archiving is disabled for the group (`true`) or not (`false`).
`IsBroadcast`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the group is a broadcast group (`true`) or not (`false`). This field is available in API version 36.0 and later.
`LastFeedModifiedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The date of the last post or comment on the group.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`MediumPhotoUrl`	**Type** url **Properties** Filter Nillable Sort

Field	Details
	Description The URL for the larger, cropped photo size.
`MemberCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of members in the group.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the group. Group names must be unique across public and private groups. Unlisted groups don't require unique names.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the community that this group is part of. This field is available only if Salesforce Communities is enabled in your organization. You can only add a `NetworkId` when creating a group. You can't change or add a `NetworkId` for an existing group. This field is available in API version 26.0 and later.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the group. Only the current group owner or people with the "Modify All Data" permission can update the `OwnerId`.
`SmallPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for a thumbnail of the group's profile photo.

Field	Details
	The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo. This field is available in API version 20.0 and later.

Usage

Use this object to create, edit, or delete groups in an organization or in a community. Deleting a group permanently deletes all posts and comments to the group. It also deletes all files and links posted to the group and removes the files from other locations where they were shared.

As a Chatter group member, you can post to the group using the CollaborationGroupFeed object. As a Chatter group owner or manager, you can add or remove group members using the CollaborationGroupMember object, post announcements to the group using the Announcement object, and accept or decline requests to join private groups using the CollaborationGroupMemberRequest object. Additionally, the group owner, manager, or your Salesforce system administrator can invite people to join the group using the CollaborationInvitation object.

The Salesforce system administrator doesn't need to be a member of the group in order to send invitations using the API.

SEE ALSO:

CollaborationGroupFeed

CollaborationGroupMember

CollaborationGroupMemberRequest

CollaborationGroupFeed

Represents a single feed item on a Chatter group feed. A group feed shows posts and comments about the group. This object is available in API version 19.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

- "Manage Unlisted Groups"

  Only users with this permission can delete items in unlisted groups.

Fields

Field	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of CollaborationGroupFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable

Field	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`.The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort

Field	Details
	Description Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDate DESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>`

Field	Details
	Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url

Field	Details
	Properties Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the group that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.

Field	Details
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question.

Field	Details
	• `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`.

Field	Details
	• On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a group.

SEE ALSO:

CollaborationGroup

CollaborationGroupMember

NewsFeed

CollaborationGroupMember

Represents a member of a Chatter group. This object is available in API version 19.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `describeLayout()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`CollaborationGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the associated CollaborationGroup.
`CollaborationRole`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The role of a group member. Group owners and managers can change roles for members of their groups. The valid values are: • `Standard`—Indicates that a user is a group member. Members can post and comment in the group.

Field	Details
	• `Admin`—Indicates that a user is a group manager. Managers can post and comment, change member roles, edit group settings, add and remove members, delete posts and comments, and edit the group information field. Note: To change the group owner, use the `OwnerId` field on the CollaborationGroup object.
`LastFeedAccessDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date and time when a group member last accessed the group's feed. The value is only updated when a member explicitly consumes the group's feed, not when the member sees group posts in other feeds, like the profile feed.
`MemberId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the group member.
`NotificationFrequency`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Required. The frequency at which Salesforce sends Chatter group email digests to this member. Can only be set by the member or users with the "Modify All Data" permission. The valid values are: • `D`—Daily • `W`—Weekly • `N`—Never • `P`—On every post The default value is specified by the member in their Chatter email settings. In communities, the `Email on every post` option is disabled once more than 10,000 members choose this setting for the group. All members who had this option selected are automatically switched to `Daily digests`.

Usage

Use this object to view, create, and delete Chatter group members. You must be a group owner or manager to create members for private Chatter groups.

SEE ALSO:

CollaborationGroup
CollaborationGroupFeed
CollaborationGroupMemberRequest

CollaborationGroupMemberRequest

Represents a request to join a private Chatter group. This object is available in API version 21.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CollaborationGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the private Chatter group.
`RequesterId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user requesting to join the group; must be the ID of the context user.
`ResponseMessage`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Optional message to be included in the notification email when `Status` is `Declined`.

Field	Details
Status	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** The status of the request. Available values are: • Accepted • Declined • Pending

Usage

This object represents a request to join a private Chatter group, and can be used to accept or decline requests to join private groups you own or manage. On create, an email is sent to the owner and managers of the private group to be accepted or declined. When the Status is Accepted or Declined, an email is sent to notify the requester. When the Status is Declined, a ResponseMessage is optionally included to provide additional details.

Note the following when working with requests:

- Users with the “Modify All Data” or “View All Data” permission can view records for all groups, regardless of membership.
- A user can be a member of 300 groups. Requests to join groups count against this limit.
- Status can't be specified on create.
- You can only update a request when the Status is Pending.
- You can't delete or update a request with a Status of Accepted or Declined.

SEE ALSO:

CollaborationGroup

CollaborationGroupMember

CollaborationGroupRecord

Represents the records associated with Chatter groups.

Supported Calls

create(), delete(), describeLayout(), describeSObjects(), query(), retrieve(), update(), upsert(), undelete()

Fields

Field	Details
CollaborationGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Chatter group.
NetworkId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Optional. The ID of the community that the group belongs to. Available from API version 34.0.
RecordId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. The ID of the record associated with the Chatter group.

CollaborationInvitation

Represents an invitation to join Chatter, either directly or through a group. This object is available in API version 21.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Invitations are available if "Allow Invitations" is enabled for your organization.

Invitations are limited to your allowed domain(s) unless the invite is sent from a private group that allows customers. Allowed domains are set by the administrator.

Invitations to customers are available if "Allow Customer Invitations" is enabled for your organization. Users must have the "Invite Customers to Chatter" permission to send invitations to people outside their Chatter domain.

Fields

Field	Details
InvitedUserEmail	**Type** string **Properties** Create, Filter, Group, Sort **Description** The email address for the user invited to join Chatter. Label is `Invited Email`.
InvitedUserEmailNormalized	**Type** email **Properties** Filter, Group, Sort **Description** A normalized version of the `InvitedUserEmail` entered. Label is `Invited Email (Normalized)`.
InviterId	**Type** reference **Properties** Filter, Group, Sort **Description** The person that initiated the invitation.
OptionalMessage	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** An optional message from the person sending the invitation to the person receiving it.
ParentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Used when the email address on the invitation is different than the one entered when the invitee accepts the invitation.
SharedEntityId	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort **Description** ID of the user or group associated with this invitation. • If the invitation is to join Chatter, the `SharedEntityId` is the ID of the User that created the invitation. The invitee will auto-follow the inviter. • If the invitation is to join a group within Chatter, the `SharedEntityId` is the ID of the Chatter CollaborationGroup. • To invite a customer, set `SharedEntityId` to the ID of the private CollaborationGroup with Allow Customers turned on.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of the invitation. Possible values are: • `Sent` • `Accepted` • `Canceled`

Usage

Use this object to create or delete (cancel) invitations to join Chatter. You can either invite a user to join Chatter directly or as part of a CollaborationGroup.

Note: To invite someone to join a CollaborationGroup, you must be either the owner or a manager of the group or a Salesforce system administrator.

The Salesforce system administrator doesn't need to be a member of the group in order to send invitations using the API.

When the person accepts your CollaborationGroup invitation, they join the CollaborationGroup and Chatter as well.

Note: You can't send invitations to users of the organization the invite was sent from.

Invited users can view profiles, post on their feed, and join groups, but can't see your Salesforce data or records.

If your organization allows groups with customers, owners and managers of private groups with the “Allow Customers” setting, as well as system administrators, can use this object to invite customers.

Java Samples

The following example shows how to send an invitation to join Chatter:

```
public void invitePeople(String inviterUserId, String invitedEmail) throws Exception {
    CollaborationInvitation invitation = new CollaborationInvitation();
```

```
    invitation.setSharedEntityId(inviterUserId);//pass the userId of the inviter
    invitation.setInvitedUserEmail(invitedEmail);//email of the invited user
    insert(invitation);
}
```

The following example shows how to send an invitation to a customer user from a group that allows customers:

```
public void inviteToGroup(String GroupName, String invitedEmail) throws Exception {
    QueryResult qr = query("select id from collaborationgroup where name = '" +
        GroupName); //pass the group name
    String groupId = qr.getRecords()[0].getId();
    CollaborationInvitation invitation = new CollaborationInvitation();
    invitation.setSharedEntityId(groupId);//pass the groupId
    invitation.setInvitedUserEmail(invitedEmail);//email of the invited user
    insert(invitation);
}
```

Apex Samples

```
String emailAddress = 'bob@external.com';
CollaborationGroup chatterGroup = [SELECT Id
      FROM CollaborationGroup
      WHERE Name='All acme.com'
      LIMIT 1];
CollaborationInvitation inv = New CollaborationInvitation();
inv.SharedEntityId = chatterGroup.id;
inv.InvitedUserEmail = emailAddress;

try {
   Insert inv;
} catch(DMLException e){
   System.debug('There was an error with the invite: '+e);
}
```

ColorDefinition

Represents the color-related metadata for a custom tab. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects(), query()`

Fields

Field Name	Details
Color	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The color described in web color RGB format—for example, "00FF00".
`Context`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The color context, which determines whether the color is the main color (or primary) for the tab.
`DurableId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A unique virtual Salesforce ID for the color.
`TabDefinitionId`	**Type** string **Properties** Filter, Nillable, Sort **Description** The `TabDefinition` ID.
`Theme`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The icon's theme.

CombinedAttachment

This read-only object contains all notes, attachments, Google Docs, documents uploaded to libraries in Salesforce CRM Content, and files added to Chatter that are associated with a record.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the document in bytes.
`ContentUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** URL for links and Google Docs. This field is set only for links and Google Docs, and is one of the fields that determine the `FileType`. This field is available in API version 31.0 and later.
`ExternalDataSourceName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in API version 32.0 and later.
`ExternalDataSourceType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Type of external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in API version 35.0 and later.

Field Name	Details
FileExtension	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the document. This field is available in API version 31.0 and later.
FileType	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of document, determined by the file extension.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the parent object.
RecordType	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The parent object type.
SharingOption	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls whether or not sharing is frozen for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Allowed`, which means that new shares are allowed. When set to `Restricted`, new shares are prevented without affecting existing shares. This field is available in API versions 35.0 and later.

Field Name	Details
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Title of the attached file.

Usage

Use this object to list all notes, attachments, documents uploaded to libraries in Salesforce CRM Content, and files added to Chatter for a record, such as a related list on a detail page.

To determine if an object supports the CombinedAttachment object, call `describeSObject()` on the object. For example, `describeSObject('Account')` returns all the child relationships of the Account object, including `CombinedAttachment`. You can then query the CombinedAttachment child relationship.

```
SELECT Name, (SELECT Title FROM CombinedAttachments)
FROM Account
```

You can't directly query CombinedAttachment.

Community (Zone)

Represents a zone that contains Idea or Question objects.

Note: Starting with the Summer '13 release, Chatter Answers and Ideas "communities" have been renamed to "zones." In API version 28, the API object label has changed to `Zone`, but the API type is still `Community`.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`CanCreateCase`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether users can ask private questions in the zone using Chatter Answers.

Field	Details
DataCategoryName	**Type** string **Properties** Filter, Nillable, Group, Sort **Description** The data category associated with the zone.
Description	**Type** textarea **Properties** Filter, Nillable, Sort **Description** Text description of the zone.
HasChatterService	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether Chatter Answers is available in the zone.
IsActive	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the zone is active or inactive. An idea or question can only be posted to an active zone.
IsPublished	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the zone is available in portals.
Name	**Type** string **Properties** Filter, Group, Sort

Field	Details
	Description The name of the zone.
NetworkId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the Chatter community that this zone is associated with. This field is available only if Salesforce Communities is enabled in your org. This field is available in API version 43.0 and later.

Usage

Use this object to create a zone in Ideas, Chatter Answers, or Answers. Zones help organize ideas and questions into logical groups and are shared by the Ideas, Answers, and Chatter Answers.

ConnectedApplication

Represents a connected app and its details; all fields are read-only.

Connected apps link client applications, third-party services, other Salesforce organizations, apps and resources to your organization. The connected app configuration specifies authorization and security settings for these resources. This object exposes the settings for a specified connected app.

Supported Calls

describeSObjects(), query(), retrieve()

Fields

Field Name	Details
MobileSessionTimeout	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Length of time after which the system logs out inactive mobile users.
MobileStartUrl	**Type** url

Field Name	Details
	Properties Filter, idLookup, Nillable, Sort **Description** Users are directed to this URL after they've authenticated when the app is accessed from a mobile device.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name for this object.
`OptionsAllowAdminApprovedUsersOnly`	**Type** boolean **Properties** Filter **Description** Indicates whether access is limited to users granted approval to use the connected app by an administrator. Manage profiles for the app by editing each profile's Access list.
`OptionsHasSessionLevelPolicy`	**Type** boolean **Properties** Filter **Description** Specifies whether the connected app requires a High Assurance level session.
`OptionsRefreshTokenValidityMetric`	**Type** boolean **Properties** Filter **Description** Specifies whether the refresh token validity is based on duration or inactivity. If `true`, the token validity is measured based on the last use of the token; otherwise, it is based on the token duration.
`PinLength`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** For mobile apps, this is the PIN length requirement for users of the connected app.Valid values are `5`, `6`, `7`, `8` or `9`.
`RefreshTokenValidityPeriod`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The duration of an authorization token until it expires in hours, months or days as set in the connected app management page.
`StartUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** If the app is not accessed from a mobile device, users are directed to this URL after they've authenticated.

Contact

Represents a contact, which is a person associated with an account.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `merge()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can access only portal-enabled contacts.

Fields

Field	Details
AccountId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the account that's the parent of this contact. We recommend that you update up to 50 contacts simultaneously when changing the accounts on contacts enabled for a Customer Portal or partner portal. We also recommend that you make this update after business hours.
AssistantName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The assistant's name.
AssistantPhone	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The assistant's telephone number.

Birthdate	**Type**
	date
	Properties
	Create, Filter, Group, Nillable, Sort, Update
	Description
	The contact's birthdate.
	Filter criteria for report filters, list view filters, and SOQL queries ignore the year portion of the `Birthdate` field. For example, these SOQL query returns contacts with birthdays later in the year than today:
	`SELECT Name, Birthdate`
	`FROM Contact`
	`WHERE Birthdate > TODAY`

CanAllowPortalSelfReg	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Update **Description** Indicates whether this contact can self-register for your Customer Portal (`true`) or not (`false`).
`CleanStatus`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the record's clean status as compared with Data.com. Values include: `Matched`, `Different`, `Acknowledged`, `NotFound`, `Inactive`, `Pending`, `SelectMatch`, or `Skipped`. Several values for `CleanStatus` appear with different labels on the contact record. • `Matched` appears as `In Sync` • `Acknowledged` appears as `Reviewed` • `Pending` appears as `Not Compared`
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`Department`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description The contact's department.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** A description of the contact. Label is **Contact Description** up to 32 KB.
DoNotCall	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates that the contact does not want to receive calls.
Email	**Type** email **Properties** Create, Filter, Group, idLookup, Nillable, Sort, Update **Description** The contact's email address.
EmailBouncedDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** If bounce management is activated and an email sent to the contact bounces, the date and time of the bounce.
EmailBouncedReason	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** If bounce management is activated and an email sent to the contact bounces, the reason for the bounce.
Fax	**Type** phone

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The contact’s fax number. Label is **Business Fax**.
`FirstName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact’s first name up to 40 characters.
`HasOptedOutOfEmail`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the contact prohibits receiving email from Salesforce (`true`) or not (`false`). Label is **Email Opt Out**.
`HasOptedOutOfFax`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the contact prohibits receiving faxes.
`HomePhone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact’s home telephone number.
`IndividualId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the data privacy record associated with this contact. This field is available if Data Protection and Privacy is enabled.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
IsEmailBounced	**Type** boolean **Properties** Filter, Group, Sort **Description** If bounce management is activated and an email is sent to a contact, indicates whether the email bounced (`true`) or not (`false`).
IsPersonAccount	**Type** boolean **Properties** Defaulted on create, Filter **Description** Read only. Indicates whether this account has a record type of Person Account (`true`) or not (`false`). Label is **Is Person Account**.
Jigsaw	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** References the company's ID in Data.com. If an account has a value in this field, it means that the account was imported from Data.com. If the field value is `null`, the account was not imported from Data.com. Maximum size is 20 characters. Available in API version 22.0 and later. Label is **Data.com Key**. Important: The `Jigsaw` field is exposed in the API to support troubleshooting for import errors and reimporting of corrected data. Do not modify this value.
LastActivityDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Value is the most recent of either:

Field	Details
	• Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
`LastName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Last name of the contact up to 80 characters.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LeadSource`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead's source.
`MailingAddress`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the mailing address. Read-only. For details on compound address fields, see Address Compound Fields.
• `MailingCity` • `MailingState`	**Type** string

Field	Details
• MailingCountry • MailingPostalCode	**Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Mailing address details.
• MailingStateCode • MailingCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO codes for the mailing address's state and country.
MailingStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street address for mailing address.
MailingGeocodeAccuracy	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable **Description** Accuracy level of the geocode for the mailing address. For details on geolocation compound field, see Compound Field Considerations and Limitations.
MailingLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `MailingLongitude` to specify the precise geolocation of a mailing address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
MailingLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Used with `MailingLatitude` to specify the precise geolocation of a mailing address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`MasterRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** If this record was deleted as the result of a merge, this field contains the ID of the record that remains. If this record was deleted for any other reason, or has not been deleted, the value is `null`.
`MiddleName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact's middle name up to 40 characters. To enable this field, ask Salesforce Customer Support for help.
`MobilePhone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contact's mobile phone number.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName`, `MiddleName`, `LastName`, and `Suffix` up to 121 characters.
`OtherAddress`	**Type** address **Properties** Filter, Nillable

Field	Details
	Description The compound form of the other address. Read-only. For details on compound address fields, see Address Compound Fields.
• `OtherCity` • `OtherCountry` • `OtherPostalCode` • `OtherState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Alternate address details.
• `OtherCountryCode` • `OtherStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO codes for the alternate address's state and country.
`OtherGeocodeAccuracy`	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable **Description** Accuracy level of the geocode for the other address. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`OtherLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `OtherLongitude` to specify the precise geolocation of an alternate address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`OtherLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Used with `OtherLatitude` to specify the precise geolocation of an alternate address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`OtherPhone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Telephone for alternate address.
`OtherStreet`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street for alternate address.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the owner of the account associated with this contact.
`Phone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Telephone number for the contact. Label is **Business Phone**.
`PhotoUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** Path to be combined with the URL of a Salesforce instance (*Example:* https://*yourInstance*.salesforce.com/) to generate a URL to request the social network profile image associated with the contact. Generated URL returns an HTTP redirect (code 302) to the social network profile image for the contact.

Field	Details
	Empty if Social Accounts and Contacts isn't enabled or if Social Accounts and Contacts is disabled for the requesting user.
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
`ReportsToId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** This field doesn't appear if `IsPersonAccount` is `true`.
`Salutation`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Honorific abbreviation, word, or phrase to be used in front of name in greetings, such as Dr. or Mrs.
`Suffix`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name suffix of the contact up to 40 characters. To enable this field, ask Salesforce Customer Support for help.
`Title`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Title of the contact, such as CEO or Vice President.

Note: If you are importing contact data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

Use this object to manage individual people who are associated with an account. You can create, query, delete, or update any attachment associated with a contact.

Create or update contacts by converting a lead with the `convertLead()` call.

SEE ALSO:

Object Basics

ContactHistory

ContactCleanInfo

Stores the metadata Data.com Clean uses to determine a contact record's clean status. Helps you automate the cleaning or related processing of contact records. ContactCleanInfo includes a number of bit vector fields.

Contact Clean Info provides a snapshot of the data in your Salesforce contact record and its matched Data.com record at the time the Salesforce record was cleaned.

Contact Clean Info includes a number of bit vector fields, whose component fields each correspond to individual object fields and provide related data or status information about those fields. For example, the bit vector field `IsDifferent` has an `IsDifferentEmail` field. If the `IsDifferentEmail` field's value is `False`, that means the `Email` field value is *the same* on the Salesforce contact record and its matched Data.com record.

ContactCleanInfo bit vector fields include:

- `CleanedBy` indicates who (a user) or what (a Clean job) cleaned the contact record.
- `IsDifferent` indicates whether or not a field on the contact record has a value that differs from the corresponding field on the matched Data.com record.
- `IsFlaggedWrong` indicates whether or not a field on the contact record has a value that is flagged as wrong to Data.com.
- `IsReviewed` indicates whether or not a field on the contact record is in a `Reviewed` state, which means that the value was reviewed but not accepted.

Fields

Field Name	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.

Field Name	Details
`City`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the contact.
`CleanedByJob`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact record was cleaned by a Data.com Clean job (`true`) or not (`false`).
`CleanedByUser`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact record was cleaned by a Salesforce user (`true`) or not (`false`).
`ContactId`	**Type** reference **Properties** Filter, Group, Sort **Description** The unique, system-generated ID assigned when the contact record was created.
`ContactStatusDataDotCom`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The status of the contact per Data.com. Values are: `Contact is Active per Data.com`, `Phone is Wrong per Data.com` , `Email is Wrong per Data.com`, `Phone and Email are Wrong per Data.com`, `Contact Not at Company per Data.com`, `Contact is Inactive per Data.com`, `Company this contact belongs to is out of business per Data.com`, `Company`

Field Name	Details
	`this contact belongs to never existed per Data.com` or `Email address is invalid per Data.com`.
`Country`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the contact.
`DataDotComID`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID Data.com maintains for the contact.
`Email`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** The email address for the contact.
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The contact's first name.
`IsDifferentCity`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `City` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountry`	**Type** boolean

Field Name	Details
	Properties Filter **Description** Indicates whether the contact's `Country` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountryCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `Country Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentEmail`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `Email` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentFirstName`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `First Name` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentLastName`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `Last Name` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPhone`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the contact's `Phone` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPostalCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `Postal Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentState`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `State` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentStateCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `State Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentStreet`	**Type** boolean **Properties** Filter **Description** Indicates whether the contact's `Street` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentTitle`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the contact's `Title` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsFlaggedWrongAddress`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Address` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongEmail`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Email` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Name` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongPhone`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Phone` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongTitle`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the contact's `Title` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsInactive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the contact has been reported to Data.com as *`Inactive`* (`true`) or not (`false`).
`IsReviewedAddress`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Address` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedEmail`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Email` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Name` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedPhone`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the contact's `Phone` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedTitle`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the contact's `Title` field value is in a `Reviewed` state (`true`) or not (`false`).
`LastMatchedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The date the contact record was last matched and linked to a Data.com record.
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The contact's last name.
`LastStatusChangedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of who or what last changed the record's `Clean Status` field value: a Salesforce user or a Clean job.
`LastStatusChangedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date on which the record's `Clean Status` field value was last changed.

Field Name	Details
Latitude	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Longitude` to specify the precise geolocation of a billing address. Data not currently provided.
Longitude	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Latitude` to specify the precise geolocation of a billing address. Data not currently provided.
Name	**Type** string **Properties** Filter, Group, Sort, Update **Description** Field label is **Contact Clean Info Name**. The name of the contact. Maximum size is 255 characters.
Phone	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The phone number for the contact.
PostalCode	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the contact.
State	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Details for the billing address of the contact.
`Street`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the contact.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The contact's title.

Usage

Developers can create triggers that read the Contact Clean Info fields to help automate the cleaning or related processing of contact records.

Create a customized set of `Title` field values. Use triggers to map values from fields on imported or cleaned records onto a standard set of values.

ContactFeed

Represents a single feed item in the feed on a contact record detail page. This object is available in API version 18.0 and later.

A contact feed shows recent changes to a contact record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to Contact records.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"

- "Modify All" on the Contact object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of ContactFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.

Field	Details
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if Type is ContentPost. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets Type to ContentPost.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if Type is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.

Field	Details
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text.

Field	Details
	Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.

Field	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. NetworkScope can have the following values: • NetworkId—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the contact record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost.

Field	Details
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply.

Field	Details
	• `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a contact record.

SEE ALSO:

- Contact
- EntitySubscription
- NewsFeed
- UserProfileFeed

ContactHistory

Represents the history of changes to the values in the fields of a contact. This object is available in versions 11.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`ContactId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Contact. Label is **Contact ID**.

Field	Details
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to a contact.

This object respects field level security on the parent object.

SEE ALSO:

Contact

ContactOwnerSharingRule

Represents the rules for sharing a contact with a User other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ContactAccessLevel`	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, UserRole, or User for Contacts. The possible values are: • `Read` • `Edit`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A Contact owned by a User in the source Group triggers the rule to give access.

Field	Details
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

Usage

Use this object to manage the sharing rules for contacts.

SEE ALSO:

Contact

ContactShare

Metadata API Developer Guide: SharingRules

ContactShare

Represents a list of access levels to a Contact along with an explanation of the access level. For example, if you have access to a record because you own it, the `ContactAccessLevel` is `All` and `RowCause` is Owner.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`ContactId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Contact associated with this sharing entry. This field can't be updated.
`ContactAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to cases associated with the account Contact. The possible values are: • `Read` • `Edit` • `All` This value is not valid for create or update. This field must be set to an access level that is higher than the organization's default access level for contacts.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). There are many possible values, including: • `Rule`—The User or Group has access via a Contact sharing rule. • `ImplicitChild`—The User or Group has access to the Contact via sharing access on the associated Account.

Field	Details
	• `Manual`—The User or Group has access because a User with “All” access manually shared the Contact with them. • `Owner`—The User is the owner of the Contact.
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Contact. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit Contact records owned by other users.

SEE ALSO:

AccountShare

ContactTag

Associates a word or short phrase with a Contact.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter

Field Name	Details
	Description Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

ContactTag stores the relationship between its parent TagDefinition and the Contact being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

ContentAsset

Represents a Salesforce file that has been converted to an asset file in a custom app in Lightning Experience. Use asset files for org setup and configuration. Asset files can be packaged and referenced by other components. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Only admin users can edit or delete ContentAssets.
- Users with file access can create and query ContentAssets.
- It isn't necessary to create asset files for regular, collaborative use of Salesforce Files. "Assetize" files only when they're used in setup and configuration situations.
- Neither the file (ContentDocument) nor the asset settings record (ContentAssets) can be deleted if the asset file is referenced by another component.
- ContentAsset doesn't support search or most recently used (MRU) lists.
- ContentAsset doesn't support Apex triggers.

Fields

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the document.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the asset file in the API. ContentAsset.DeveloperName: • must be 40 characters or fewer • must begin with a letter • can contain only underscores and alphanumeric characters • can't include spaces • can't end with an underscore • can't contain 2 consecutive underscores In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.
`isVisibleByExternalUsers`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether unauthenticated users can see the asset file.
Language	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language for this document. This field defaults to the user's language unless the org is multi-language enabled. Specifies the language of the labels returned. The value must be a valid user locale (language and country), such as `de_DE` or `en_GB`. For more information on locales, see the `Language` field on the CategoryNodeLocalization object.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The master label for the asset file. This internal label doesn't get translated.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation.

ContentBody

Represents the body of a file in Salesforce CRM Content or Salesforce Files. This object is available in API version 40.0 and later.

Supported Calls

`describeSObjects()`

Special Access Rules

Cannot be queried, inserted, updated, or deleted directly.

Fields

Field	Details
`Id`	**Type** ID **Properties** , Filter, Group, idLookup, Sort **Description** ID of the file body.

Usage

ContentBody is intended for internal Salesforce use. If you need to access the file content body, please use ContentVersion.

ContentDistribution

Represents information about sharing a document externally. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

- Content deliveries must be enabled to query content deliveries.
- Users (including users with the "View All Data" permission) can query only the files that they have access to. If the file is managed by a Content Library, the user must have "Deliver Content" enabled in the library permission definition and be a member of the library. If the file isn't managed by a Content Library, the user must have the "Enable Creation of Content Deliveries for Salesforce Files" permission.
- Users can query the `DistributionPublicUrl` and `Password` fields only if they are the file owner, if the file is shared with them, or if the `RelatedRecordId` specifies a record that the users can access.
- If the shared document is deleted, the delete cascades to any associated ContentDistribution. The ContentDistribution is still queryable by using the `QueryAll` verb.
- If the shared document is archived, the only fields that users can edit are `ExpiryDate` and `PreferencesExpires`.
- Customer Portal users can't access this object.
- Chatter Free users can't access this object.

Fields

Field Name	Details
ContentDocumentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the shared document.
ContentDownloadUrl	**Type** string **Properties** , SortNillable **Description** The link for downloading the file. This field is available in API version 40.0 and later.
ContentVersionId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the shared document version.
DistributionPublicUrl	**Type** string **Properties** Nillable, Sort **Description** URL of the link to the shared document.
ExpiryDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date when the shared document becomes inaccessible.
FirstViewDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description Date when the shared document is first viewed.
LastViewDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date when the shared document was last viewed.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the content delivery.
OwnerId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the user who owns the shared document.
PdfDownloadUrl	**Type** string **Properties** , SortNillable **Description** The link for downloading the file as a PDF. This field is available in API version 40.0 and later.
Password	**Type** string **Properties** Group, Nillable, Sort **Description** A password that allows access to a shared document.
PreferencesAllowOriginalDownload	**Type** boolean

Field Name	Details
	Properties Create, Filter, Update **Description** When `true`, the shared document can be downloaded as the file type that it was uploaded as. When `false`, download availability depends on whether a preview of the file exists. If a preview exists, the file can't be downloaded. If a preview doesn't exist, the file can still be downloaded. If the shared document is a link, it can't be downloaded.
`PreferencesAllowPDFDownload`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the shared document can be downloaded as a PDF if the original file type is PDF or if a PDF preview has been generated.
`PreferencesAllowViewInBrowser`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, a preview of the shared document can be viewed in a Web browser.
`PreferencesExpires`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, access to the shared document expires on the date that's specified by `ExpiryDate`.
`PreferencesLinkLatestVersion`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, users see the most recent version of a shared document. When `false`, users see the version of the document that's shared, even if it isn't the most recent version.

Field Name	Details
PreferencesNotifyOnVisit	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the owner of the shared document is emailed the first time that someone views or downloads the shared document.
PreferencesNotifyRndtnComplete	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the owner of the shared document is emailed when renditions of the shared document that can be previewed in a Web browser are generated.
PreferencesPasswordRequired	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, a password, specified by `Password`, is required to access the shared document.
RelatedRecordId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the record, such as an Account, Campaign, or Case, that the shared document is related to.
ViewCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of times that the shared document has been viewed.

Usage

Use this object to create, update, delete, or query information about a document shared externally via a link or via Salesforce CRM Content delivery.

The ContentDistribution object supports triggers before and after these operations: insert, update, delete. It supports triggers after undelete.

Example: The VP of Marketing wants file authors to specify whether their files can be shared with external people using content delivery. He also wants some files to have a password. You can add a custom field `DeliveryPolicy` on the ContentVersion object. Make the custom field a picklist with the values, `Allowed`, `Blocked`, and `Password required`. Add the field to the ContentVersion layout so that the user can set the delivery policy per file. Then, add an insert trigger for the ContentDistribution object to enforce the rules based on the delivery policy set in the file.

Note: The `ContentVersionId` for `ContentDistribution` must be unique.

This trigger for the ContentDistribution object enforces the delivery policy rules for each file:

```
trigger deliveryPolicy on ContentDistribution (before insert) {
    for (ContentDistribution cd : trigger.new) {
        String versionId = DeliveryPolicyHelper.getContentVersionId(cd);
        ContentVersion version = [select DeliveryPolicy__c from ContentVersion where
Id = :versionId];
        String policy = version.DeliveryPolicy__c;
        if (policy.equals('Blocked')) {
            cd.addError('This file is not allowed to be delivered.');
        } else if (policy.equals('Password required')){
            if (!DeliveryPolicyHelper.requirePassword(cd)) {
                cd.addError('To deliver this file, set a password.');
            }
        }
    }
}
```

The trigger calls this helper class:

```
public class DeliveryPolicyHelper {
    public static String getContentVersionId(ContentDistribution cd) {
        if (cd.ContentVersionId != null) {
            return cd.ContentVersionId;
        } else {
            String versionId = [select LatestPublishedVersionId from ContentDocument
where Id = :cd.ContentDocumentId].get(0).LatestPublishedVersionId;
            return versionId;
        }
    }

    public static boolean requirePassword(ContentDistribution cd) {
        return cd.PreferencesPasswordRequired;
    }
}
```

Important: Apex has a per organization limit of 10 concurrent requests that last longer than 5 seconds. A trigger that uploads files can easily hit this limit.

ContentDistributionView

Represents information about views of a shared document. This read-only object is available in API version 32.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Content deliveries must be enabled to query content deliveries.
- Users (including users with the “View All Data” permission) can query only the files that they have access to. If the file is managed by a Content Library, the user must have “Deliver Content” enabled in the library permission definition and be a member of the library. If the file isn’t managed by a Content Library, the user must have the “Enable Creation of Content Deliveries for Salesforce Files” permission.
- ContentDistributionView can be deleted by an admin.
- If the shared document is deleted, the delete cascades to any associated ContentDistributionView. The ContentDistributionView is still queryable by using the `QueryAll` verb.
- Customer Portal users can’t access this object.
- Chatter Free users can’t access this object.

Fields

Field Name	Details
`DistributionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the content delivery that the document is part of.
`IsDownload`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` if the shared document is downloaded; `false` if the shared document is viewed.
`IsInternal`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** `true` if the shared document is viewed by a user in the same organization; `false` if viewed by an external user.
`ParentViewId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of this instance of accessing the shared document.

Usage

Use this read-only object to query information about users who are accessing shared documents.

ContentDocument

Represents a document that has been uploaded to a library in Salesforce CRM Content or Salesforce Files. This object is available in versions 17.0 and later for Salesforce CRM Content. This object is available in API version 21.0 and later for Salesforce Files.

The maximum number of documents that can be published is 30,000,000. Archived files count toward this limit and toward storage usage limits.

- Contact Manager, Group, Professional, Enterprise, Unlimited, and Performance Edition customers can publish a maximum of 200,000 new versions per 24-hour period.
- Developer Edition and trial users can publish a maximum of 2,500 new versions per 24-hour period.

Supported Calls

`delete()`, `describeLayout()` `describeSObjects()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`

Special Access Rules

- Customer and Partner Portal users must have the “View Content in Portal” permission to query content in libraries where they have access.
- Users (including users with the “View All Data” permission) can only query files they have access to, including:
  - All Salesforce CRM Content files in libraries they're a member of and in their personal library, regardless of library permissions (API version 17.0 and later).
  - All Salesforce Files they own, posted on their profile, posted on groups they can see, and shared directly with them (API version 21.0 and later).

- A Salesforce CRM Content document can be deleted if any of the following are true:
  - The document is published into a personal library or is in the user's upload queue.
  - The document is published into a public library, the user is a member of that library with the “Add Content” library privilege enabled, and the user trying to delete the document is the owner.
  - The document is published into a public library that has the “Delete Content” or “Manage Library” permission enabled, and the user trying to delete the document is not the owner.

For API version 25.0 and later, you can change ownership of Salesforce Files and Salesforce CRM Content documents.

- The following must be true to change ownership of a Salesforce CRM Content document:
  - The Salesforce CRM Content app must be enabled.
  - The user who is becoming the owner of the document must have a Salesforce CRM Content feature license.
- A user can change ownership of a Salesforce CRM Content document or Salesforce file if any of the following are true:
  - The user is the current owner, or has either the “Modify All Data” or "Manage Salesforce CRM Content” permission enabled.
  - The user has the “Manage Library” permission enabled for the library containing the document.

  Note:
    - The user who is becoming the owner of the document must be a visible user who is active, but the original owner can be inactive.
    - A document's owner can be changed to a user who doesn’t have access to the library that contains the document. Library administrators may need to give the new owner membership to the library.

Fields

Field	Details
ArchivedById	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user who archived the document. This field is available in API version 24.0 and later.
ArchivedDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date when the document was archived. This field is available in API version 24.0 and later.

Field	Details
`ContentAssetId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** If the ContentDocument is an asset file, this field points to the asset. For most entities, the value of this field is `null`. This field is available in API version 38.0 and later.
`ContentModifiedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date the document was modified. `ContentModifiedDate` updates when, for example, the document is renamed or a new document version is uploaded. When you're uploading the first version of a document, `ContentModifiedDate` can be set to the current time or any time in the past. This field is available in API version 32.0 and later.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The size of the document in bytes. This field is available in API version 31.0 and later.
`Description`	**Type** textarea **Properties** Filter, Nillable, Sort **Description** A description of the document. This field is available in API version 31.0 and later.
`Division`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort

Field	Details
	Description A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the document. This field is available in API version 31.0 and later.
`FileType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of document, determined by the file extension. This field is available in API version 31.0 and later.
`IsArchived`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the document has been archived (`true`) or not (`false`).
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update

Field	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LatestPublishedVersionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the latest document version (ContentVersion).
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the owner of this document.
`ParentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** ID of the library that owns the document. Created automatically when inserting a ContentVersion via the API for the first time. This field is available in API version 24.0 and later when Salesforce CRM Content is enabled.
`PublishStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Indicates if and how the document is published. Valid values are: • `P`—The document is published to a public library and is visible to other users. Label is **Public**. • `R`—The document is published to a personal library and is not visible to other users. Label is **Personal Library**. • `U`—The document is not published because publishing was interrupted. Label is **Upload Interrupted**.

Field	Details
SharingOption	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls whether sharing is frozen for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Allowed`, which means that new shares are allowed. When set to `Restricted`, new shares are prevented without affecting existing shares. This field is available in API versions 35.0 and later.
SharingPrivacy	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls sharing privacy for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Visible to Anyone With Record Access`. When set to `Private on Records`, the file is private on records but can be shared selectively with others. This field is available in API versions 41.0 and later.
Title	**Type** string **Properties** Filter, Group, Sort **Description** The title of a document.

Usage

- Use this object to retrieve, query, update, and delete the latest version of a document, but not a content pack, in a library or a Salesforce file. Use the ContentVersion object to create, query, retrieve, search, edit, and update a specific version of a Salesforce CRM Content document or Salesforce file.
- The `query()` call doesn't return archived documents. The `queryAll()` call returns archived documents.
- You can't add new versions of archived documents.
- To query a file that is shared only with a record, you must specify the content ID of the file.
- To create a document, create a new version via the ContentVersion object without setting the `ContentDocumentId`. This process automatically creates a parent document record. When adding a new version of the document, you must specify an existing `ContentDocumentId` which initiates the revision process for the document. When the latest version is published, the title, owner, and publish status fields are updated in the document.

- When you delete a document, all versions of that document are deleted, including ratings, comments, and tags.
- You can't create, edit, or delete content packs via the API.

  Note: Content metadata, such as tags, custom fields, and content owners are tracked at the version level rather than at the document level.

- If you query versions in the API, versions with a `PublishStatus` of `Upload Interrupted` are not returned.
- A document record is a container for multiple version records. You create a new version to add a document to the system. The new version contains the actual file data which allows the document to have multiple versions. The version stores the body of the uploaded document.
- Assign topics to ContentDocument using `TopicAssignment` in API version 37.0 or later.

SEE ALSO:

ContentDocumentFeed

ContentDocumentHistory

ContentVersion

ContentDocumentFeed

Represents a single feed item associated with ContentDocument. A content document feed shows these content document changes: creating a ContentDocument file and uploading a new ContentDocument. This object is available in versions 20.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the ContentDocument object
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort

Field	Details
	Description The content of ContentDocumentFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`.The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDate DESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Create, Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field	Details
	• AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the document that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Create, Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a RypplePost. This field is typically null for all posts except ContentPost and RypplePost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of Type ContentPost.
Title	**Type** string **Properties** Create, Group, Nillable, Sort, Update **Description** The title of the FeedItem. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name. The Title field can be updated on posts of Type QuestionPost.
Type	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description The type of FeedItem. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create FeedItem types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object.

Field	Details
	• ChangeStatusPost—generated event when a user changes the status of a case. • ChatTranscriptPost—generated event when Live Agent transcript is saved to a case. • EmailMessageEvent—generated event when an email related to a case object is sent or received. • FacebookPost—generated when a Facebook post is created from a case. Deprecated. • MilestoneEvent—generated when a case milestone is completed or reaches violation status. • SocialPost—generated when a social post is created from a case. Note: If you set Type to ContentPost, also specify ContentData and ContentFileName.
Visibility	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. Visibility can have the following values: • AllUsers—The feed item is available to all users who have permission to see the feed item. • InternalUsers—The feed item is available to internal users only. Note the following exceptions for Visibility: • For record posts, Visibility is set to InternalUsers for all internal users by default. • External users can set Visibility only to AllUsers. • On user and group posts, only internal users can set Visibility to InternalUsers.

Usage

Use this object to track changes for a ContentDocument object.

SEE ALSO:

ContentDocument

ContentDocumentHistory

Represents the history of a document. This object is available in versions 17.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- Customer and Partner Portal users must have the “View Content in Portal” permission to query content in libraries where they have access.
- A user can query all versions of a document from their personal library and any version that is part of or shared with a library where they are a member, regardless of library permissions.

Fields

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the document.
`Division`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.
`Field`	**Type** picklist **Properties** Filter, Group, Sort, Restricted picklist **Description** The name of the field that was changed. Possible values include: • `contentDocPublished`—The document is published into a library.

Field	Details
	• `contentDocUnpublished`—The document is archived or removed from a library, either directly or when the owning library is changed. • `contentDocRepublished`—The document is removed from the archive. • `contentDocFeatured`—The document is featured. • `contentDocSubscribed`—The document is subscribed to. • `contentDocUnsubscribed`—The document is no longer subscribed to.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this read-only object to query the history of a document.

SEE ALSO:

ContentDocument

ContentDocumentLink

Represents the link between a Salesforce CRM Content document or Salesforce file and where it's shared. A file can be shared with other users, groups, records, and Salesforce CRM Content libraries. This object is available in versions 21.0 and later for Salesforce CRM Content documents and Salesforce Files.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Special Access Rules

- Customer and Partner Portal users must have the “View Content in Portal” permission to query content in libraries where they have access.
- Users (including users with the “View All Data” permission) can only query files they have access to, including:
  - All Salesforce CRM Content files in libraries they're a member of and in their personal library, regardless of library permissions (API version 17.0 and later).
  - All Salesforce Files they own, posted on their profile, posted on groups they can see, and shared directly with them (API version 21.0 and later).
- In API versions 33.0 and later, you can create and delete ContentDocumentLink objects with a `LinkedEntityId` of any record type that can be tracked in the feed, even if feed tracking is disabled for that record type.
- In API versions 25.0 and later, you can create ContentDocumentLink objects with a `LinkedEntityId` of type `User`, `CollaborationGroup`, or `Organization`.
- In API versions 21.0 and later, users with explicit Viewer access (the file has been directly shared with the user) to a file can delete ContentDocumentLink objects between the file and other users who have Viewer access. In the same API versions, any user with Viewer access to a file can deleteContentDocumentLink objects between the file and organizations or groups of which they are a member.
- For organizations with Communities enabled, a document can only be shared with users and groups that are a part of the community the file was created in.

Fields

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the document.
`LinkedEntityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the linked object. Can include Chatter users, groups, records (any that support Chatter feed tracking including custom objects), and Salesforce CRM Content libraries. Using the API only, you can relate notes to custom settings.
`ShareType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field	Details
	Description Required. The permission granted to the user of the shared file in a library. This is determined by the permission the user already has in the library. This field is available in API version 25.0 and later. **V** Viewer permission. The user can explicitly view but not edit the shared file. **C** Collaborator permission. The user can explicitly view and edit the shared file. **I** Inferred permission. The user's permission is determined by the related record. For shares with a library, this is defined by the permissions the user has in that library.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Specifies whether this file is available to all users, internal users, or shared users. This field is available in API version 26.0 and later. `Visibility` can have the following values. • `AllUsers`—The file is available to all users who have permission to see the file. • `InternalUsers`—The file is available only to internal users who have permission to see the file. • `SharedUsers`—The file is available to all users who can see the feed to which the file is posted. SharedUsers is used only for files shared with users, and is available only when an org has private org-wide sharing on by default. The `SharedUsers` value is available in API version 32.0 and later. Note the following exceptions for `Visibility`. • `AllUsers` & `InternalUsers` values apply to files posted on standard and custom object records, but not to users, groups, or content libraries. • For posts to a record feed, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`. • For posts to a user feed, if the organization-wide default for user sharing is set to private, `Visibility` is set to `SharedUsers`. • Only internal users can update Visibility. • Visibility can be updated on links to files posted on standard and custom object records, but not to users, groups, or content libraries. • Visibility is updatable in API version 43.0 and later.

Field	Details
	The visibility setting on ContentDocumentLink determines a file's visibility on a record post. When a file has multiple references posted in a feed, the file's visibility is determined by the most visible setting.

Usage

Use this object to query the locations where a file is shared or query which files are linked to a particular location. For example, the following query returns a particular document shared with a Chatter group:

```
SELECT ContentDocument.title FROM ContentDocumentLink WHERE ContentDocumentId =
'069D00000000so2' AND LinkedEntityId = '0D5000000089123'
```

- You can't run a query without filters against ContentDocumentLink.
- You can't filter on ContentDocument fields if you're filtering by `ContentDocumentId`. You can only filter on ContentDocument fields if you're filtering by `LinkedEntityId`.
- You can't filter on the related object fields. For example, you can't filter on the properties of the account to which a file is linked. You can filter on the properties of the file, such as the title field.

A SOQL query must filter on one of `Id`, `ContentDocumentId`, or `LinkedEntityId`.

The ContentDocumentLink object supports triggers before and after these operations: insert, update, delete.

Example: This trigger for the ContentDocumentLink object prevents public XLSX files from being shared.

```
trigger NoShareXLSX on ContentDocumentLink (after insert) {
    for (ContentDocumentLink cdl : trigger.new) {
        if (!CDLHelper.isSharingAllowed(cdl)) {
            cdl.addError('Sorry, you cannot share this file.');
        }
    }
}
```

The trigger calls this helper class.

```
public class CDLHelper {

    /**
     * Gets FileExtension of the inserted content.
     */
    public static String getFileExtension(ContentDocumentLink cdl) {
        String fileExtension;
        String docId = cdl.ContentDocumentId;
       FileExtension = [select FileExtension from ContentVersion where ContentDocumentId
 = :docId].get(0).FileExtension;
        return FileExtension;
    }

    /**
     * Checks the file's PublishStatus and FileExtension to decide whether user can
share the file with others.
     * PublishStatus 'P' means the document is in a public library.
     */
```

```
    public static boolean isSharingAllowed(ContentDocumentLink cdl) {
        String docId = cdl.ContentDocumentId;
       ContentVersion version = [select PublishStatus,FileExtension from ContentVersion
 where ContentDocumentId = :docId].get(0);
        if (version.PublishStatus.equals('P') && (version.FileExtension != null &&
version.FileExtension.equals('xlsx'))) {
            return false;
        }
        return true;
    }

    /**
     * Gets the parent account name if the file is linked to an account.
     */
    public static String getAccountName(ContentDocumentLink cdl) {
        String name;
        String id = cdl.LinkedEntityId;
        if (id.substring(0,3) == '001') {
            name = [select Name from Account where Id = :id].get(0).Name;
        }
        return name;
    }
}
```

Important: Apex has a per organization limit of 10 concurrent requests that last longer than 5 seconds. A trigger that uploads files can easily hit this limit.

SEE ALSO:

ContentDocument

ContentDocumentSubscription

Represents a subscription for a user following or commenting on a file in a library. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`ContentDocumentId`	**Type** reference

Field	Details
	Properties Filter, Group, Sort **Description** ID of the file.
`IsCommentSub`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether the user made comments on the file.
`IsDocumentSub`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether the user follows the file.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user following or commenting on the file.

ContentFolder

Represents a folder in a content library for adding files. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

- Salesforce CRM Content or Chatter must be enabled to access ContentFolder.
- All users with a content feature license can modify folders in their personal library.
- To modify a folder, the user must be a member of the library and have permission to modify folders.

Fields

Field Name	Details
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the folder.
`ParentContentFolderId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the ParentFolder.

ContentFolderItem

Represents a file (ContentDocument) or folder (ContentFolder) that resides in a ContentFolder in a ContentWorkspace. This object is available in API version 35.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Fields

Field Name	Details
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The file or folder size of the ContentFolderItem.

Field Name	Details
FileExtension	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Specifies the file extension if the ContentFolderItem is a file.
FileType	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Specifies the type of file if ContentFolderItem is a file.
IsFolder	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the ContentFolderItem is a folder, and not a file.
ParentContentFolderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the ContentFolder that the ContentFolderItem resides in.
Title	**Type** string **Properties** Filter, Group, Sort **Description** The name of the file or folder.

Usage

ContentFolderLink

Defines the association between a library and its root folder. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Salesforce CRM Content must be enabled to access ContentFolderLink.
- ContentFolderLink is read-only in the context of a library.

Fields

Field Name	Details
`ContentFolderId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the folder.
`EnableFolderStatus`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the status of enabling folders for the library. Valid values are: • `C` — Completed folder enablement • `S` — Started folder enablement • `F` — Failed folder enablement This field is available in API version 39.0 and later.
`ParentEntityId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description Name of the entity the folder hierarchy is linked to.

ContentFolderMember

Defines the association between a file and a folder. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`

Special Access Rules

- Salesforce CRM Content or Chatter must be enabled to access ContentFolderMember.
- All users with a content feature license can modify folders in their personal library.
- To modify ContentFolderMember, the user must be a member of the library and have permission to modify folders.

Fields

Field Name	Details
`ChildRecordId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the file.
`ParentContentFolderId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the folder the file is in.

ContentHubItem

Represents a file or folder in a Files Connect external data source, such as Microsoft SharePoint or OneDrive for Business. This object is available in API version 33.0 and later.

Special Access Rules

Chatter and Files Connect must be enabled for the organization.

Supported Calls

`describeSObjects()`, `query()`, `search()`

Fields

Field Name	Details
`ContentHubRepositoryId`	**Type** reference **Properties** Filter, Group, Nillable **Description** The ID for the related external data source described by the ContentHubRepository object.
`ContentModifiedDate`	**Type** dateTime **Properties** Nillable **Description** Date the file or folder content last changed.
`ContentSize`	**Type** int **Properties** Group, Nillable **Description** File or folder size.
`Description`	**Type** string **Properties** Filter, Group, Nillable **Description** Explanation of item in external data source.
`ExternalContentUrl`	**Type** url

Field Name	Details
	Properties Group, Nillable **Description** The URL of the document content in the external data source.
ExternalDocumentUrl	**Type** url **Properties** Group, Nillable **Description** The URL of the detail page in the external data source.
ExternalId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** ID for the file or folder in the external data source.
FileExtension	**Type** string **Properties** Group, Nillable **Description** File format extension, such as .doc or .pdf
FileType	**Type** string **Properties** Group, Nillable **Description** Complete file type, such as “Microsoft Word Document.”
IsFolder	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether item is a folder or file.
MimeType	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable **Description** MIME type of the content.
`Name`	**Type** string **Properties** Filter, Nillable, Sort **Description** Name of the file or folder in the external data source.
`Owner`	**Type** string **Properties** Filter, Group, Nillable **Description** Username of the content owner in the external data source.
`ParentId`	**Type** string **Properties** Filter, Group, Nillable **Description** The ID of the parent folder for the record. This field isn't returned in queries or searches of the ContentHubItem object. It supports only WHERE clauses, such as the following: `WHERE ContentHubRepositoryId = <ID of external source> and ParentId = <ID of parent folder or record>.` Or specify `WHERE ParentId = <name of root folder>` to return the children of the root folder. Tip: The ParentId field supports both Salesforce IDs (in the format "0CHxxx") and external IDs.
`Title`	**Type** string **Properties** Group, Nillable

Field Name	Details
	Description The title that appears in the content, which often differs from the Name of the containing file or folder.
UpdatedBy	**Type** string **Properties** Group, Nillable **Description** Username for the person who last updated the file.

Usage

The following SOQL query examples show how to retrieve files and folders from a Files Connect external data source. These examples use placeholders for ID values for the repository ID and folder IDs. Before running these queries, replace the placeholders with valid ID values for your external data source and folders.

Important: You must filter queries and searches on ContentHubItem with the ContentHubRepositoryId field; for example, SELECT Id FROM ContentHubItem WHERE ContentHubRepositoryId = <ID of external data source>.

Example 1: Get the ID and name of the root folder in an external file source.

```
SELECT Id, Name
FROM ContentHubItem
WHERE ContentHubRepositoryId = '<repository ID>' AND ParentId = NULL
```

Example 2: List all folders and files under the specified root folder.

```
SELECT Id, Name
FROM ContentHubItem
WHERE ContentHubRepositoryId = '<repository ID>' AND ParentId = '<root folder ID>'
```

Example 3: List all external file data sources by querying ContentHubRepository.

```
SELECT DeveloperName
FROM ContentHubRepository
```

Example 4: List all files and folders in a given folder and external file source.

```
SELECT Id, Name
FROM ContentHubItem
WHERE ContentHubRepositoryId = '<repository ID>' AND ParentId = '<parent folder ID>'
```

Example 5: To return only folders in the result set, add IsFolder = true in the WHERE clause to a query that returns files and folders. For example, the following query lists all folders under the root folder.

```
SELECT Id, Name
FROM ContentHubItem
```

```
WHERE ContentHubRepositoryId = '<repository ID>' AND ParentId = '<root folder ID>'
      AND IsFolder = true
```

Example 6: Retrieve a link that is used to open the specified document in an external source.

```
SELECT ExternalDocumentUrl
FROM ContentHubItem
WHERE ContentHubRepositoryId = '<repository ID>' AND Id = '<document ID>'
```

SOSL Example: Retrieve the ID and name of all documents that contain the search string. The result set is limited to the first 10 documents.

```
FIND {<search string>}
RETURNING ContentHubItem(Id, Name
                         WHERE ContentHubRepositoryId = '<repository ID>')
LIMIT 10
```

ContentHubRepository

Represents a Files Connect external data source such as Microsoft SharePoint or OneDrive for Business. This object is available in API version 33.0 and later.

Special Access Rules

Chatter and Files Connect must be enabled for the organization.

Supported Calls

`describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the record in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. This field is automatically generated but you can supply your own value if you create the record using the API. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.

Field Name	Details
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for the external data source. This display value is the internal label and does not get translated.
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The data source type. Possible values are: • `contenthubGoogleDrive` • `contenthubOffice365` • `contenthubOneDrive` • `contenthubSharepoint` • `contenthubBox` • `contenthubQuip`

ContentNote

Represents a note created with the enhanced note taking tool, released in Winter '16. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`

Special Access Rules

- Notes must be enabled.

Fields

Field	Details
`Content`	**Type** base64

Field	Details
	Properties Create, Nillable, Update **Description** The content or body of the note, which can include properly formatted HTML or plain text. When a document is uploaded or downloaded via the API, it should be base64 encoded (for upload) or decoded (for download). Any special characters within plain text in the `Content` field must be escaped. You can escape special characters by calling `content.escapeHtml4()`.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the note in bytes.
`CreatedById`	**Type** reference **Properties** Create (for users assigned the Set Audit Fields Upon Creation permission), Defaulted on createFilter, Group, Sort, Update (for users assigned the Set Audit Fields Upon Creation permission) **Description** ID of the user who created the note.
`CreatedDate`	**Type** dateTime **Properties** Create (for users assigned the Set Audit Fields Upon Creation permission), Defaulted on create, Filter, Sort, Update (for users assigned the Set Audit Fields Upon Creation permission) **Description** Date the note was created.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the note.
`FileType`	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** Type of file for the note. All notes have a file type of `SNOTE`.
`Id`	**Type** id **Properties** Defaulted on createFilter, Group, Nillable, Sort **Description** ID of the note.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the note has been deleted.
`IsReadOnly`	**Type** boolean **Properties** Defaulted on create, Group, Sort **Description** Indicates whether the note is read only.
`LastModifiedById`	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort, Update (for users assigned the Set Audit Fields Upon Creation permission) **Description** The ID of the user who last modified the note.
`LastModifiedDate`	**Type** dateTime **Properties** Create (for users assigned the Set Audit Fields Upon Creation permission), Defaulted on create, Filter, Sort, Update (for users assigned the Set Audit Fields Upon Creation permission) **Description** Date the note was last modified. Updates when the `Title` or `Content` of the note are updated.

Field	Details
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable Sort **Description** Date the note was last viewed. This field is available in API version 35.0 and later.
`LatestPublishedVersionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the ContentVersion for the latest published version of the note.
`OwnerId`	**Type** reference **Properties** Create (for users assigned the Set Audit Fields Upon Creation permission), Defaulted on create, Filter, Group, Sort, Update (for users assigned the Set Audit Fields Upon Creation permission) **Description** ID of the owner of the note.
`SharingPrivacy`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls sharing privacy for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Visible to Anyone With Record Access`. When set to `Private on Records`, the file is private on records but can be shared selectively with others. This field is available in API versions 41.0 and later.
`TextPreview`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A preview of the note's content. This field is available in API version 35.0 and later.

Field	Details
`Title`	**Type** string **Properties** Create, Filter, Group, idLookup, Namefield, Sort, Update **Description** Title of the note.

Usage

- Use ContentNote to create, query, retrieve, search, edit, and update notes.
- ContentNote is built on ContentVersion, and so it has many of the same usages.
- Not all fields can be set for notes. Only the `Content` and `Title` fields can be updated.
- The maximum file size you can upload via the SOAP API is 50 MB. When a document is uploaded or downloaded via the API, it is converted to base64. This conversion increases the document size by approximately 37%. Account for the base64 conversion increase so that the file you plan to upload is less than 50 MB after conversion.
- You can convert old Note records to Lightning Experience, so users can view and edit notes from the Notes & Attachments related list in Lightning Experience. Users can edit their converted notes, which are accessible from the Notes related list and Notes tab. Copy old Note records to newly created ContentNote records. Users assigned the Set Audit Fields Upon Creation permission can set the owner, created date, and last modified date on ContentNote records.
- SOQL and SOSL queries on the ContentNote return only the most recent version of the note.
- To relate a note to a record, use `ContentDocumentLink`.

For example, the following Apex code creates a note and escapes any special characters so they are converted to their HTML equivalents.

Note: Apex code doesn't need to be encoded to base64 before it is uploaded and downloaded.

```
ContentNote cn = new ContentNote();
cn.Title = 'test1';
String body = 'Hello World. Before insert/update, escape special characters such as ", ',
 &, and other standard escape characters.';
cn.Content = Blob.valueOf(body.escapeHTML4());
insert(cn);
```

In this example, the following code creates a note using text that is already formatted as HTML, so it does not need to be escaped.

```
ContentNote cn = new ContentNote();
cn.Title = 'test2';
String body = '<b>Hello World. Because this text is already formatted as HTML, it does not
 need to be escaped.
Special characters such as &quot;, etc. must already use their HTML equivalents.</b>';
cn.Content = body;
insert(cn);
```

ContentNotification

Represents a notification for a file. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`EntityIdentifierId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the object with the notification.
`EntityType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of object with the notification. One of the following. • `ContentDocument` • `ContentTagName` • `ContentVersion` • `ContentWorkspace` • `ContentWorkspacePermission` • `User`
`Nature`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of notification.
`Subject`	**Type** textarea **Properties** Filter, Nillable, Sort

Field	Details
	Description Subject of the notification.
Text	**Type** textarea **Properties** Filter, Nillable, Sort **Description** Text of the notification.
UsersId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who received the notification.

ContentTagSubscription

Represents a subscription for a user following a tag on a file. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
UserId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user following the tag on the file.

ContentUserSubscription

Represents a subscription for a user following another user. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`SubscribedToUserId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who is followed by another user.
`SubscriberUserId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who follows another user.

ContentVersion

Represents a specific version of a document in Salesforce CRM Content or Salesforce Files. This object is available in versions 17.0 and later for Salesforce CRM Content documents. This object is available in versions 20.0 and later for Salesforce Files.

The maximum number of versions that can be published in a 24-hour period is 200,000.

Note: Depending on how files are shared, queries on ContentDocument and ContentVersion without specifying an ID won't return all files a user has access to. For example, if a user only has access to a file because they have access to a record that the file is shared with, the file won't be returned in a query such as "SELECT Id FROM ContentDocument."

Supported Calls

`create()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

- Customer and Partner Portal users must have the “View Content in Portal” permission to query content in libraries where they have access.
- Customer and Partner Portal users can only publish, version, or edit documents if they have a Salesforce CRM Content feature license.
- All users with a content feature license can create versions in their personal library.
- Users (including users with the “View All Data” permission) can only query files they have access to, including:
  - All Salesforce CRM Content files in libraries they're a member of and in their personal library, regardless of library permissions (API version 17.0 and later).
  - All Salesforce Files they own, posted on their profile, posted on groups they can see, and shared directly with them (API version 21.0 and later).
- All users can update versions in their personal library.
- The owner of a version or document can update the document if they are a member of the library, regardless of library permissions.
- To update a Salesforce CRM Content document, the user must be a member of the library with one of these library privileges enabled:
  - “Add Content”
  - “Add Content On Behalf of Others”
  - “Manage Library”
- `FileType` is defined by either `ContentUrl` for links or `PathOnClient` for documents, but not both.
- In API version 34.0 and later, any file can be shared with libraries, whether the file originated in Chatter or in Salesforce CRM Content.
- In API version 39.0 and later, custom Apex download handlers can be created that can control access to documents. See the *Apex Developer Guide* for more information.

Fields

Field	Details
`Checksum`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** MD5 checksum for the file.
`ContentBodyId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Allows inserting a file version independently of the file blob being uploaded. This field is available for query and insert only. It can only point to a ContentBody record. This field is available in API version 40.0 and later.

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the document.
`ContentLocation`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Origin of the document. Valid values are: • **S**—Document is located within Salesforce. Label is **Salesforce**. • **E**—Document is located outside of Salesforce. Label is **External**. • **L**—Document is located on a social network and accessed via Social Customer Service. Label is **Social Customer Service**.
`ContentModifiedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user who modified the document.
`ContentModifiedDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort **Description** Date the document was modified. `ContentModifiedDate` updates when, for example, the document is renamed or a new document version is uploaded. When uploading the first version of a document, `ContentModifiedDate` can be set to the current time or any time in the past.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the document in bytes. Always zero for links.

Field	Details
`ContentUrl`	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** URL for links. This is only set for links. One of the fields that determines the `FileType`. The character limit in API versions 43.0 and later is 1,300. The character limit in API versions 32.0 and earlier was 255.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the content version.
`Division`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.
`ExternalDataSourceId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the external document referenced in the `ExternalDataSource` object.
`ExternalDocumentInfo1`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Stores the URL of the file in the external content repository. The integration from the external source determines the content for this string. After the reference or copy is created, the URL of the external file is updated when you: • Republish a file reference in Lightning Experience

Field	Details
	• Open the document • Create a file reference in the Chatter REST API with `reuseReference` set to true. When the file is updated, the shared link is updated to the most current version.
`ExternalDocumentInfo2`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Contains the external file ID. Salesforce determines the content for this string, which is private. The content can change without notice, depending on the external system. After the file reference is created, this field isn't updated, even if the file path changes.
`FeaturedContentBoost`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Read only. Designates a document as featured.
`FeaturedContentDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Date the document was featured.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the document. This field is available in API version 31.0 and later.
`FileType`	**Type** string **Properties** Filter, Group, Sort **Description** Type of content determined by `ContentUrl` for links or `PathOnClient` for documents.

Field	Details
FirstPublishLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the location where the version was first published. If the version is first published into a user's personal library or My Files, the field will contain the ID of the user who owns the personal library or My Files. If the first version is published into a public library, the field will contain the ID of that library. Accepts all record IDs supported by ContentDocumentLink (anything a file can be attached to, like records and groups). Setting `FirstPublishLocationId` allows you to create a file and share it with an initial record/group in a single transaction, and have the option to create more links to share the file with other records or groups later. When a file is created, it’s automatically linked to the record, and PublishStatus will change to Public from Pending/Personal. This field is only set the first time a version is published via the API. `FirstPublishLocationId` can’t be set to another ID when a new content version is inserted.
IsAssetEnabled	**Type** boolean **Properties** Create, Group, Defaulted on create **Description** Can be specified on insert of ContentVersion to automatically convert a ContentDocument file into a ContentAsset. This field can be SOQL queried, but it can’t be edited. This field is available in API version 38.0 and later.
IsEncrypted	Note: This information is about Shield Platform Encryption and not Classic Encryption. **Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether files are encrypted using Shield Platform Encryption (`true`) or not (`false`). This field is available in API version 34.0 and later.
IsLatest	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether this is the latest version of the document (`true`) or not (`false`).
`IsMajorVersion`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** `true` if the document is a major version; `false` if the document is a minor version. Major versions can’t be replaced.
`Language`	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist, Update **Description** The language for this document. This field defaults to the user's language unless the organization is multi-language enabled. Specifies the language of the labels returned. The value must be a valid user locale (language and country), such as `de_DE` or `en_GB`. For more information on locales, see the `Language` field on the CategoryNodeLocalization object.
`NegativeRatingCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Read only. The number of times different users have given the document a thumbs down. Rating counts for the latest version are not version-specific. If Version 1 receives 10 thumbs-down votes, and Version 2 receives 2 thumbs-down votes, the `NegativeRatingCount` on Version 2 is 12. However, rating counts are not retroactive for prior versions. The `NegativeRatingCount` on Version 1 is 10.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the community that this file originated from. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. You can only add a `NetworkId` when creating a file. You can’t change or add a `NetworkId` for an existing file.

Field	Details
Origin	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The source of the content version. Valid values are: • **C**—Content document from the user's personal library. Label is **Content**. The `FirstPublishLocationId` must be the user's ID. If `FirstPublishLocationId` is left blank, it defaults to the user's ID. • **H**—Salesforce file from the user's My Files. Label is **Chatter**. The `FirstPublishLocationId` must be the user's ID. If `FirstPublishLocationId` is left blank, it defaults to the user's ID. Origin can only be set to **H** if Chatter is enabled for your organization. This field defaults to C. Label is **Content Origin**.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of this document.
PathOnClient	**Type** string **Properties** Create, Filter, Nillable, Sort **Description** The complete path of the document. One of the fields that determines the `FileType`. Note: Specify a complete path including the path extension in order for the document to be visible in the Preview tab.
PositiveRatingCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Read only. The number of times different users have given the document a thumbs up. Rating counts for the latest version are not version-specific. If Version 1 receives 10 thumbs-up votes, and Version 2 receives 2 thumbs-up votes, the `PositiveRatingCount` on Version 2 is 12. However, rating counts are not retroactive for prior versions. The `PositiveRatingCount` on Version 1 is 10.

Field	Details
`PublishStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Indicates if and how the document is published. Valid values are: • `P`—The document is published to a public library and is visible to other users. Label is **Public**. • `R`—The document is published to a personal library and is not visible to other users. Label is **Personal Library**. • `U`—The document is not published because publishing was interrupted. Label is **Upload Interrupted**.
`RatingCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Read only. Total number of positive and negative ratings.
`ReasonForChange`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The reason why the document was changed. This field can only be set when inserting a new version (revising) a document.
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type of the version. Custom fields are restricted in `RecordTypeId`. When an administrator creates a custom field via the API it must be added to at least one page layout: • If the custom field is added to the page layout associated with the General record type, the `RecordTypeId` that corresponds to that record type does not have to be set on the version record.

Field	Details
	• If the custom field is added to the page layout associated with a custom record type, the `RecordTypeId` that corresponds to that record type must be set on the version record.
`SharingOption`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls whether sharing is frozen for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Allowed`, which means that new shares are allowed. When set to `Restricted`, new shares are prevented without affecting existing shares. This field is available in API versions 35.0 and later.
`SharingPrivacy`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls sharing privacy for a file. Only administrators and file owners with Collaborator access to the file can modify this field. Default is `Visible to Anyone With Record Access`. When set to `Private on Records`, the file is private on records but can be shared selectively with others. This field is available in API versions 41.0 and later.
`TagCsv`	**Type** textarea **Properties** Create, Nillable, Sort, Update **Description** Text used to apply tags to a content version via the API.
`TextPreview`	**Type** string **Properties** Nillable, Filter,Group, Sort **Description** A preview of a document. Available in API version 35.0 and later.
`Title`	**Type** string

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** The title of a document.
`VersionData`	**Type** base64 **Properties** Create, Nillable, Update **Description** The content or body of the note, which can include properly formatted HTML or plain text. When a document is uploaded or downloaded via the API, it should be base64 encoded (for upload) or decoded (for download). Any special characters within plain text in the `Content` field must be escaped. You can escape special characters by calling `content.escapeHtml4()`. This field can't be set for links. The maximum file size you can upload via the SOAP API is 50 MB. When a document is uploaded or downloaded via the API, it is converted to base64 and stored in `VersionData`. This conversion increases the document size by approximately 37%. Account for the base64 conversion increase so that the file you plan to upload is less than 50 MB after conversion. If a custom Apex download handler is active, this field is accessed from the API, and the download is not allowed, Salesforce will return a `CONTENT_CUSTOMIZED_DOWNLOAD_EXCEPTION` error.
`VersionNumber`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The version number. The number increments with each version of the document, for example, 1, 2, 3.

Usage

- Use this object to create, query, retrieve, search, edit, and update a specific version of a Salesforce CRM Content document or Salesforce file. Use the ContentDocument object to retrieve, query, update, and delete the latest version of a document, but not a content pack, in a library or a Salesforce file.
- Use this object to create, query, retrieve, search, edit, and update a specific version of a Salesforce file. Use the ContentDocument object to retrieve, query, update, and delete the latest version of a Salesforce file.
- To query a file that is shared only with a record, you must specify the content ID of the file.
- Not all fields can be set for Salesforce Files.

- You can only update a version if it is the latest version and if it is published.
- You can't archive versions.
- Using API version 32.0 and later, you can update record types on versions.
- You can't delete a version via the API.
- The maximum file size you can upload via the SOAP API is 50 MB. When a document is uploaded or downloaded via the API, it is converted to base64 and stored in `VersionData`. This conversion increases the document size by approximately 37%. Account for the base64 conversion increase so that the file you plan to upload is less than 50 MB after conversion.
- To download a document via the API, you must export the `VersionData` of the document. This does not increase the download count.
- When you upload a document from your local drive using the Data Loader, you must specify the actual path in both `VersionData` and `PathOnClient`. `VersionData` identifies the location and extracts the format and `PathOnClient` identifies the type of document being uploaded.
- SOQL queries on the ContentVersion object return all versions of the document. SOSL searches on the ContentVersion object return only the most recent version of the document.
- If you query versions in the API, versions with a `PublishStatus` of `Upload Interrupted` are not returned.
- Documents published into a personal library assume the default record type that is set for the user profile of the person publishing the document (General, if no default is set for the user profile).

  Note: An administrator can rename the default (*Content Version Layout*) page layout.

- Contact Manager, Group, Professional, Enterprise, Unlimited, and Performance Edition customers can publish a maximum of 200,000 new versions per 24–hour period. Developer Edition and trial users can publish a maximum of 2,500 new versions per 24–hour period.
- Custom validation rules can prevent an update of documents published into a personal library via the API.

Applying Tags to ContentVersion Records

Tags can be applied to ContentVersion records using either Enterprise or Partner API.

To apply tags to a ContentVersion record, set a value in the `TagCsv` field. For example, setting this field to `one,two,three` creates and associates three tags to that version.

- The maximum length of the `TagCsv` field is 2,000 characters.
- The maximum length of an individual tag is 100 characters.
- When tags are applied to a version, the content is indexed automatically and the tags are searchable.
- You can't apply tags to a `TagCsv` that is published into a personal library.
- You can't apply tags using the ContentDocument object.
- You can't change or delete tag names. You can remove tags from a document, but that doesn't delete the tag.
- Tags are case insensitive. You can't have two tags with the same name even if they use different uppercase and lowercase letters. The case of the original tag is always used.

To delete tags from a ContentVersion record, perform a standard API update, and remove any values from the `TagCsv` field that you want to delete. For example, if the original `TagCsv` is `one,two,three`, perform an API update specifying `one,three` in the `TagCsv` field to delete `two`. To delete all tags from a ContentVersion you perform a standard API update by setting the field to `null`.

If you create a ContentVersion record and want to revise it via the API, you insert another ContentVersion record but associate it to the same ContentDocument record as the original. This has an impact on tagging:

- If you insert the revision and do not set any value in the `TagCsv` field, any tags applied to the previous version are automatically applied to the new version.
- If you insert the revision and specify a new `TagCsv` field, no tags transfer over and the tags you specify are applied instead.

When you perform a SOQL query for a ContentVersion record and select the `TagCsv` field, all the tags associated with that record are returned. The tags in the string are always ordered alphabetically even if they were inserted in a different order. You can't use the `TagCsv` field as part of a filter in a SOQL query. You can't query all tags in your organization.

Library tagging rules:

- API tagging respects the tagging restrictions that exist on any library that the document is published into. For example, if the library is in restricted tagging mode and only allows tags `one,three`, you can't save a version with a `TagCsv` of `one,two,three`.
- If the library is in guided tagging mode, you can apply tags to the ContentVersion. You can't query the value of guided tags on a library, but you can query the tagging model of a library.

SEE ALSO:

ContentDocument

ContentVersionHistory

ContentVersionComment

Represents a comment on a version of a file. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the file.
`ContentVersionId`	**Type** reference **Properties** Filter, Group, Sort

Field	Details
	Description ID of the version of the file.
UserComment	**Type** textarea **Properties** Filter, Nillable, Sort **Description** ID of the user who commented on the file.

ContentVersionHistory

Represents the history of a specific version of a document. This object is available in version 17.0 and later.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Special Access Rules

- Customer and Partner Portal users must have the "View Content in Portal" permission to query content in libraries where they have access.
- A user can query all versions of a document from their personal library and any version that is part of or shared with a library where they are a member, regardless of library permissions.

Fields

Field	Details
ContentVersionId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the version.
Division	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort

Field	Details
	Description A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as "North America," "Healthcare," or "Consulting." Available only if the organization has the Division permission enabled.
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed. Possible values include: • `contentVersionCreated`—A new version is created. • `contentVersionUpdated`—The title, description, or any custom field on the version is changed. • `contentVersionDownloaded`—A version is downloaded. • `contentVersionViewed`—The version details are viewed. • `contentVersionRated`—The version is rated. • `contentVersionCommented`—The version receives a comment. • `contentVersionDataReplaced`—The new version replaces the previous version, which can happen only when the new version is uploaded immediately after the previous version.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this read-only object to query the history of a document version.

SEE ALSO:

ContentVersion

ContentVersionRating

Represents a rating on a version of a file. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`ContentVersionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the version of the file.
`Rating`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Rating of the file.
`UserComment`	**Type** textarea **Properties** Filter, Nillable, Sort **Description** Comment made by the user who rated the file.

Field	Details
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who rated the file.

ContentWorkspace

Represents a content library. This object is available in versions 17.0 and later.

Note: This object does not apply to personal libraries.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Note: create( ), update( ) and delete( ) on ContentWorkspace are supported in API version 40.0 and later only.

Special Access Rules

- The Access Libraries user permission allows orgs to make libraries available to users without requiring that they have the legacy Salesforce CRM Content license. This permission is available for profiles and permission sets on most standard user licenses, and is not available for High Volume Customer Portal, Customer Community, or Chatter Free licenses. Available in API versions 40.0 and later.
- Users with the Create Libraries user perm or the Manage Salesforce CRM Content administrator permission can create libraries (ContentWorkspaces) from the Libraries tab in Salesforce Classic and from the API.
- Customer and Partner Portal users can only edit the library document object if they have a Salesforce CRM Content feature license.
- Customer and Partner Portal users can query this object if they have the "View Content in Portal" permission. A user can query all public libraries where they are members, regardless of library permissions.

Fields

Field	Details
`DefaultRecordTypeId`	**Type** reference **Properties** Filter, Nillable

Field	Details
	Description ID of the default content type for the library. Content types are the containers for custom fields in Salesforce CRM Content.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable,Update **Description** Text description of the content library.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the library in the API. Allows a link to the library to be packaged when an asset file is added to a package. Although libraries are not a packageable entity, references to libraries with a developer name will be included in the package when asset files are packaged. These links can then be restored in the target org. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. Label is Unique Name. This field is available in API version 39.0 and later.
`IsRestrictContentTypes`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Read only. Indicates whether content types have been restricted (`true`) or not (`false`).
`IsRestrictLinkedContentTypes`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Read only. Indicates whether linked content types have been restricted (`true`) or not (`false`).

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Name of the library.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The unique name of the library in the API. Allows a link to the library to be packaged when an asset file is added to a package. Limit: 15 characters. This field is available in API version 39.0 and later.
RootContentFolderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of root folder of the library. This field is available in API version 39.0 and later.
ShouldAddCreatorMembership	**Type** boolean **Properties** Create, Defaulted on create, Group **Description** Automatically create a library membership for the user creating the library. Please note this field is not meant for query and always returns false in query. This field is available in API version 40.0 and later.
TagModel	**Type** picklist **Properties** Defaulted on create, Filter, Nillable, Restricted picklist **Description** The type of tagging assigned to a library. Valid values are: • U — Unrestricted. No restrictions on tagging. Users can enter any tag when publishing or editing content. • G — Guided. Users can enter any tag when publishing or editing content, but they are also offered a list of suggested tags.

Field	Details
	• `R` — Restricted. Users must choose from a list of suggested tabs.
`WorkspaceImageId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of a library image. Image files can be assigned to libraries for branding and easy identification. Library image is visible to all users, even if they are not library members. This field is available in API version 43.0 and later.
`WorkspaceType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Differentiates between different types of libraries. Valid values are: • `R` — Regular library • `B` — Org asset library This field is available in API version 39.0 and later.

Usage

Use this object to query libraries to find out where documents can be published.

If the content type is not specified when publishing a new version into a library, it will be determined by the `DefaultRecordTypeId` of the primary library.

As of 40.0, you can create, update, or delete a library via the API.

SEE ALSO:

ContentWorkspaceDoc

ContentWorkspaceDoc

Represents a link between a document and a public library in Salesforce CRM Content. This object is available in versions 17.0 and later.

Note: This object does not apply to documents and versions in a personal library.

Supported Calls

`create()`, `delete()`, `describeSObjects()` `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Customer and Partner Portal users must have the "View Content in Portal" permission in order to query and obtain content in libraries where they have access.
- Customer and Partner Portal users can only edit documents if they have a Salesforce CRM Content feature license.
- To create a ContentWorkspaceDoc, you must be a member of the library with one of these library privileges enabled:
  - "Add Content"
  - "Add Content On Behalf of Others"
  - "Manage Library"
- To query all library documents in a library, a user must be a member of that library, regardless of library permissions.

Fields

Field	Details
`ContentDocumentId`	**Type** reference **Properties** Create, Filter **Description** Read only. ID of the library document.
`ContentWorkspaceId`	**Type** reference **Properties** Create, Filter **Description** Read only. ID of the library.
`IsOwner`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Read only. Indicates whether the library owns the document and determines permissions for that document (`true`) or not (`false`). Documents can belong to more than one library, but only one library owns the document and determines its permissions.

Usage

- Use this object to link a document to one or more libraries.

- To share a document with additional libraries, create additional ContentWorkspaceDoc records which join the document to the additional libraries.
- Inserting a ContentWorkspaceDoc triggers the publish process for public libraries.
- A document can be published into many public libraries, but it will always be owned by one library which controls the security of the document.
- A document can only be published into the document owner's personal library. You can't publish into another user's personal library. Personal libraries are not visible via the API.
- To publish a document into a personal library, you must specify your user ID as the first publish location ID. If you leave the first publish location ID blank, it defaults to the current user's ID.
- A document can be published from a personal library into a public library, but once it has been published into the public library, it can't be published into the personal library again.
- You can't publish a document from a personal library into a public library that has restricted content types.
- You can't update or delete a library document via the API.

SEE ALSO:

ContentWorkspace

ContentWorkspaceMember

Represents a member of a content library. This object is available in API version 40.0 and later.

Manage library membership from the API.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Special Access Rules

A user can create/update/delete memberships if they have the Manage Salesforce CRM Content admin perm or the Manage Library permission for the library concerned.

Fields

Field	Details
`ContentWorkspaceId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the library.

Field	Details
ContentWorkspacePermissionId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The id of the library permission or role.
MemberId	**Type** reference **Properties** Create, Filter, Group,Namepointing, Sort **Description** ID of the library member (the member is either a user or a group).
MemberType	**Type** picklist **Properties** Filter, Group, Nillable,Restricted picklist, Sort **Description** The type of library member. Valid values are: • G - Group • U - User

Usage

Use this object to create, update, or delete members from a library.

ContentWorkspacePermission

Represents a library permission. This object is available in API version 40.0 and later.

A library permission is a group of privileges assigned to each content library member. It determines which tasks a member can perform in a particular library. The same user can have a different library permission in each of his or her libraries.

Note: Library permissions do not apply to personal libraries. All library users can save files in their personal libraries.

Supported Calls

`create(),delete(), query(), retrieve(),update()`

Special Access Rules

The ability to create permissions requires either the Manage Salesforce CRM Content admin perm or the Manage Content Permissions user perm.

Fields

Field	Details
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description**
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Namefield, Sort, Update **Description** Name of the library.
PermissionsAddComment	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to post comments to any content in the library and view all comments in the library. Users can edit or delete their own comments.
PermissionsAddContent	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to publish new content to the library, upload new content versions, or restore archived (deleted) content. Content authors can also change any tags associated with their content and archive or delete their own content.
PermissionsAddContentOBO	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description Permission for user to choose an author when publishing content in the library.
`PermissionsArchiveContent`	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to archive and restore any content in the library.
`PermissionsChatterSharing`	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to make content from this library accessible outside of the library, sharing with a record or in Chatter. From a record or from Chatter, select a file from the library and attach it to a record or a post.
`PermissionsDeleteContent`	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to delete any content in the library. Authors can undelete their own content from the Recycle Bin.
`PermissionsDeliverContent`	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to share content outside the org via a content delivery or public link.
`PermissionsFeatureContent`	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to identify any content in the library as “featured.”

Field	Details
PermissionsManageWorkspace	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to perform any action in the library. This privilege is required to edit a library's name and description, add or remove library members, or delete a library. Manage Library is a super permission which provides all other permission options listed except Deliver Content. Creating a library requires the Manage Salesforce CRM Content app permission or Create Libraries system permission.
PermissionsModifyComments	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to edit or delete comments made to any content in the library.
PermissionsOrganizeFileAndFolder	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to create, rename, and delete folders in libraries.
PermissionsTagContent	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to add tags when publishing content or editing content details in the library.
PermissionsViewComments	**Type** boolean **Properties** Create, Filter, Update **Description** Permission for user to view comments.
Type	**Type** picklist

Field	Details
	Properties Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Provides the type of access a user has to a library. Valid values are: • Library Administrator • Author • Viewer • Custom

ContentWorkspaceSubscription

Represents a subscription for a user following a library. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Modify All Data permission have access to this object.

Fields

Field	Details
`ContentWorkspaceId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the library.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user following the library.

Contract

Represents a contract (a business agreement) associated with an Account.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
AccountId	**Type** reference **Properties** Create, Filter, Group, Sort,Update **Description** Required. ID of the Account associated with this contract.
ActivatedById	**Type** reference **Properties** Filter, Group, Nillable, Sort,Update **Description** ID of the User who activated this contract.
ActivatedDate	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** Date and time when this contract was activated.
BillingAddress	**Type** address **Properties** Filter, Nillable **Description** The compound form of the billing address. Read-only. See Address Compound Fields for details on compound address fields.

Field	Details
BillingCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address. Maximum size is 40 characters.
BillingCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address of this account. Maximum size is 80 characters.
BillingCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the contract's billing address.
BillingLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLongitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
BillingLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLatitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
BillingPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description Details for the billing address of this account. Maximum size is 20 characters.
BillingState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Details for the billing address. Maximum size is 80 characters.
BillingStateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the contract's billing address.
BillingStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street address for the billing address.
CompanySignedDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date on which the contract was signed by your organization.
CompanySignedId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the User who signed the contract.
ContractNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort

Field	Details
	Description Number of the contract.
ContractTerm	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Number of months that the contract is valid.
CustomerSignedDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date on which the customer signed the contract.
CustomerSignedId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the Contact who signed this contract.
CustomerSignedTitle	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Title of the customer who signed the contract.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the contract.
EndDate	**Type** date **Properties** Filter, Group, Nillable, Sort,

Field	Details
	Description Read-only. Calculated end date of the contract. This value is calculated by adding the `ContractTerm` to the `StartDate`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LastActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Value is one of the following, whichever is the most recent: • Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
`LastApprovedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Last date the contract was approved.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.

Field	Details
OwnerExpirationNotice	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Number of days ahead of the contract end date (15, 30, 45, 60, 90, and 120). Used to notify the owner in advance that the contract is ending.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the user who owns the contract.
Pricebook2Id	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the pricebook, if any, associated with this contract.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
ShippingAddress	**Type** address **Properties** Filter, Nillable **Description** The compound form of the shipping address. Read-only. See Address Compound Fields for details on compound address fields.
ShippingCity	**Type** string **Properties** Create, Filter, Nillable, Update

Field	Details
	Description Details of the shipping address. City maximum size is 40 characters.
`ShippingCountry`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details of the shipping address. Country maximum size is 80 characters.
`ShippingCountryCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the contract's shipping address.
`ShippingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLongitude` to specify the precise geolocation of a shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`ShippingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLatitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`ShippingPostalCode`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details of the shipping address. Postal code maximum size is 20 characters.
`ShippingState`	**Type** string

Field	Details
	Properties Create, Filter, Nillable, Update **Description** Details of the shipping address. State maximum size is 80 characters.
`ShippingStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the contract’s shipping address.
`ShippingStreet`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The street address of the shipping address. Maximum of 255 characters.
`SpecialTerms`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Special terms that apply to the contract.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort,Update **Description** Start date for this contract. Label is **Contract Start Date**.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The picklist of values that indicate order status. Each value is within one of two status categories defined in `StatusCode`. For example, the status picklist may contain: Ready to Ship, Shipped, Received as values within the Activated `StatusCode`.

Field	Details
`StatusCode`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status category for the contract. A contract can be Draft, InApproval, or Activated. Label is **Status Category**.

Usage

The Contract object represents a business agreement.

The `Status` field specifies the current state of a contract. Status strings (defined in the ContractStatus object) represent its current state (Draft, InApproval, or Activated).

Client applications must initially create a Contract in a non-Activated state. Client applications can subsequently activate a Contract by updating it and setting the value in its `Status` field to Activated; however, the `Status` field is the only field you can update when activating the Contract.

Once a Contract has been activated, your client application can't change its status; however, prior to activation, your client application can change the status value from Draft to InApproval via the API. Also, your client application can delete contracts whose status is Draft or InApproval but not when a contract status is Activated.

Client applications can use the API to create, update, delete, and query any Attachment associated with a contract.

SEE ALSO:

ContractContactRole

ContractHistory

ContractStatus

ContractContactRole

Represents the role that a given Contact plays on a Contract.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
ContactId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the Contact associated with this Contract.
ContractId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Contract.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
IsPrimary	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort,Update **Description** Specifies whether this Contact plays the primary role on this Contract (`true`) or not (`false`). Note that each contract has only one primary contact role. Default is `false`. Labels is **Primary**.
Role	**Type** picklist **Properties** Create, Filter, Nillable, Group, Sort, Update **Description** Name of the role played by the Contact on this Contract, such as Decision Maker, Approver, Buyer, and so on. Must be unique—there can't be multiple records in which the `ContractId`, `ContactId`, and `Role` values are identical. Different contacts can play the same role on the same contract. A contact can play different roles on the same contract.

Usage

Use the ContractContactRole object to define the role that a given Contact plays on a given Contract within the context of a specific Opportunity.

SEE ALSO:

ContractStatus

ContractFeed

Represents a single feed item in the feed on the contract record detail page. This object is available in API version 18.0 and later.

A contract feed shows recent changes to a contract record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to contracts in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Contract object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of ContractFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort

Field	Details
	Description The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string

Field	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.

Field	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field	Details
	• `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the contract record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Field	Details
Visibility	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. Visibility can have the following values: • AllUsers—The feed item is available to all users who have permission to see the feed item. • InternalUsers—The feed item is available to internal users only. Note the following exceptions for Visibility: • For record posts, Visibility is set to InternalUsers for all internal users by default. • External users can set Visibility only to AllUsers. • On user and group posts, only internal users can set Visibility to InternalUsers.

Usage

Use this object to track changes for a contract record.

SEE ALSO:

Contract
EntitySubscription
NewsFeed
UserProfileFeed

ContractHistory

Represents the history of changes to the values in the fields of a contract.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Fields

Field	Details
ContractId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Contract. Label is Contract ID.
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to a contract.

This object respects field level security on the parent object.

SEE ALSO:

ContractStatus

ContractLineItem

Represents a product covered by a service contract (customer support agreement). This object is available in API version 18.0 and later.

Supported Calls

create(), delete(), describeLayout(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve(), search(), undelete(), update(), upsert()

Fields

Field	Details
AssetId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** Required. ID of the Asset associated with the contract line item. Must be a valid asset ID.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the contract line item.
Discount	**Type** percent **Properties** Create, Filter, Nillable, Update **Description** The discount for the product as a percentage. When updating, if you specify Discount without specifying TotalPrice, the TotalPrice will be adjusted to accommodate the new Discount value, and the UnitPrice will be held constant.

Field	Details
	If you specify both `Discount` and `Quantity`, you must also specify either `TotalPrice` or `UnitPrice` so the system can determine which one to automatically adjust.
`EndDate`	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The last day the contract line item is in effect.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LineItemNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Update **Description** Automatically-generated number that identifies the contract line item.
`ListPrice`	**Type** currency **Properties** Filter, Nillable **Description** Corresponds to the `UnitPrice` on the PricebookEntry that is associated with this line item, which can be in the standard pricebook or a custom pricebook. A client application can use this information to show whether the unit price (or sales price) of the line item differs from the pricebook entry list price.

Field	Details
ParentContractLineItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The line item's parent line item, if it has one.
PricebookEntryId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the associated PricebookEntry. Only exists if Product2 is enabled.
Product2Id	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The product related to the contract line item.
Quantity	**Type** double **Properties** Create, Filter, Update **Description** Number of units of the contract line item (product) included in the associated service contract.
RootContractLineItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level line item in a contract line item hierarchy. Depending on where a line item lies in the hierarchy, its root could be the same as its parent.
ServiceContractId	**Type** reference **Properties** Create, Filter

Field	Details
	Description Required. ID of the ServiceContract associated with the contract line item. Must be a valid asset ID.
StartDate	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The first day the contract line item is in effect.
Status	**Type** picklist **Properties** Filter, Nillable **Description** Status of the contract line item.
Subtotal	**Type** currency **Properties** Filter, Nillable **Description** Contract line item's sales price multiplied by the `Quantity`.
TotalPrice	**Type** currency **Properties** Filter, Nillable **Description** This field is available only for backward compatibility. It represents the total price of the ContractLineItem If you specify `Discount` and `Quantity`, this field or `UnitPrice` is required. This field is nillable, but you can't set both `TotalPrice` and `UnitPrice` to null in the same update request. To insert the `TotalPrice` for a contract line item via the API (given only a unit price and the quantity), calculate this field as the unit price multiplied by the quantity.
UnitPrice	**Type** currency **Properties** Create, Filter, Update

Field	Details
	Description The unit price for the contract line item. In the user interface, this field's value is calculated by dividing the total price of the contract line item by the quantity listed for that line item. Label is **Sales Price**. This field or `TotalPrice` is required. You can't specify both. If you specify `Discount` and `Quantity`, this field or `TotalPrice` is required.

SEE ALSO:

ContractLineItemHistory

ContractLineItemHistory

Represents the history of changes to the values in the fields on a ContractLineItem (items in a customer support agreement). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`ContractLineItemId`	**Type** reference **Properties** Filter, Group, Sort **Description** Required. ID of the ContractLineItem.
`Division`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as "North America," "Healthcare," or "Consulting." Available only if the organization has the Division permission enabled.

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to a contract line item.

This object respects field level security on the parent object.

SEE ALSO:

ContractLineItem

ContractStatus

Represents the status of a Contract, such as Draft, InApproval, Activated, Terminated, or Expired.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`IsDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this is the default contract status value (`true`) or not (`false`) in the picklist.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this contract status value. This display value is the internal label that does not get translated.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the contract status picklist. These numbers are not guaranteed to be sequential, as some previous contract status values might have been deleted.
`StatusCode`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description Code indicating the status of a contract. One of the following values: • `Draft` • `InApproval` • `Activated` Two other values (`Terminated` and `Expired`) are defined but are not available for use via the API.

Usage

This object represents a value in the contract status picklist. The contract status picklist provides additional information about the status of a Contract, such as its current state (`Draft`, `InApproval`, or `Activated`). You can query these records to retrieve the set of values in the contract status picklist, and then use that information while processing Contract objects to determine more information about a given contract. For example, the application could test whether a given contract is activated based on its `Status` value and the value of the `StatusCode` property in the associated ContractStatus object.

SEE ALSO:

ContractContactRole

ContractTag

Associates a word or short phrase with a Contract.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string

Field Name	Details
	Properties Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

ContractTag stores the relationship between its parent TagDefinition and the Contract being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

CorsWhitelistEntry

Cross-Origin Resource Sharing (CORS) enables web browsers to request resources from origins other than their own (cross-origin). For example, using CORS, JavaScript code at `https://www.example.com` could request a resource from `https://www.salesforce.com`. To access supported Salesforce APIs, Apex REST resources, and Lightning Out from JavaScript code in a web browser, add the origin serving the code to a Salesforce CORS whitelist.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `upsert()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the record in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. This field is automatically generated but you can supply your own value if you create the record using the API. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** This picklist contains the following fully-supported languages: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru`

Field Name	Details
	• Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th`
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Master label for the CORS whitelist entry.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** For managed packages, this field is the namespace prefix assigned to the package. For unmanaged packages, this field is blank.
`UrlPattern`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The origin URL pattern must include the HTTPS protocol (unless you're using your localhost) and a domain name, and can include a port. The wildcard character (*) is supported and must be in front of a second-level domain name. For example, `https://*.example.com` adds all subdomains of `example.com` to the whitelist. The origin URL pattern can be an IP address. However, an IP address and a domain that resolve to the same address are not the same origin, and you must add them to the CORS whitelist as separate entries.

Usage

CORS is a W3C recommendation that enables web browsers to request resources from origins other than their own (cross-origin request). For example, using CORS, a JavaScript script at `https://www.example.com` could request a resource from `https://www.salesforce.com`.

If a browser that supports CORS makes a request to an origin in the Salesforce CORS whitelist, Salesforce returns the origin in the `Access-Control-Allow-Origin` HTTP header, along with any additional CORS HTTP headers. If the origin is not included in the whitelist, Salesforce returns HTTP status code 403.

Important: CORS does not support requests for unauthenticated resources, including OAuth endpoints. You must pass an OAuth token with requests that require it.

CronJobDetail

Contains details about the associated scheduled job, such as the job's name and type. This object is available in API version 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`JobType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of the associated scheduled job. The following are the available job types. Each job type label is listed with its value in parenthesis. Use the job type value when querying for a specific job type. • Data Export (0) • Weekly Export (1) • Test (2) • Dashboard Refresh (3) • Reporting Snapshot (4) • System (5) • Scheduled Apex (7) • Report Run (8) • Batch Job (9) • Analytics Notification (A) • Duns Right Async Batch Monitor (B) • Scheduled ELT Dataflow (C) • Sitemap Generation (E)
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort,

Field	Details
	Description The name of the associated scheduled job.

Usage

Use this object to query additional information about a scheduled job, such as the job's name and type.

CronTrigger

Contains schedule information for a scheduled job. CronTrigger is similar to a cron job on UNIX systems. This object is available in API version 17.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CronExpression`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The cron expression used to initiate the schedule. Syntax: ***Seconds Minutes Hours Day_of_month Month Day_of_week Optional_year*** See `schedule(jobName, cronExpression, schedulableClass)` in the *Apex Developer Guide*.
`CronJobDetailId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the CronJobDetail record containing more details about this scheduled job.

Field	Details
EndTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the job either finished or will finish.
NextFireTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The next date and time the job is scheduled to run. `null` if the job is not scheduled to run again.
OwnerId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Owner of the job.
PreviousFireTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The most recent date and time the job ran. `null` if the job has not run before current local time.
StartTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the most recent iteration of the scheduled job started.
State	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The current state of the job. The job state is managed by the system. Possible values are: • WAITING—The job is waiting for execution. • ACQUIRED—The job has been picked up by the system and is about to execute. • EXECUTING—The job is executing. • COMPLETE—The trigger has fired and is not scheduled to fire again. • ERROR—The trigger definition has an error. • DELETED—The job has been deleted. • PAUSED—A job can have this state during patch and major releases. After the release has finished, the job state is automatically set to WAITING or another state. • BLOCKED—Execution of a second instance of the job is attempted while one instance is running. This state lasts until the first job instance is completed. • PAUSED_BLOCKED—A job has this state due to a release occurring. When the release has finished and no other instance of the job is running, the job's status is set to another state.
TimesTriggered	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of times this job has been triggered.
TimeZoneSidKey	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Returns the timezone ID. For example, America/Los_Angeles.

Usage

Use this object to query scheduled jobs in your organization.

CurrencyType

Represents the currencies used by an organization for which the multicurrency feature is enabled.

Supported Calls

`create()`, `describeSObjects()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`

Special Access Rules

- This object is not available in single-currency organizations.
- You need the "Customize Application" permission to edit this object.
- Your client application can't delete this object.
- Customer Portal users can't access this object.

Fields

Field	Details
`ConversionRate`	**Type** double **Properties** Filter **Description** Required. Conversion rate of this currency type against the corporate currency.
`DecimalPlaces`	**Type** int **Properties** Filter **Description** Required. For this currency, specifies the number of digits to the right of the decimal point, such as zero (`0`) for JPY or `2` for USD.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether this currency type is active (`true`) or not (`false`). Inactive currency types do not appear in picklists in the user interface. Label is **Active**. This field defaults to `false` if no value is provided when updating or inserting a record.
`IsCorporate`	**Type** boolean **Properties** Defaulted on create, Filter

Field	Details
	Description Indicates whether this currency type is the corporate currency (`true`) or not (`false`). Label is **Corporate Currency**. All other currency conversion rates are applied against this corporate currency. If a currency is already defined as the corporate currency in the user interface, it can't be unset. When a non-corporate currency is set to a corporate currency, the system reconfigures all conversion rates based on the new corporate currency.
`IsoCode`	**Type** picklist **Properties** Filter, Restricted picklist **Description** Required. ISO code of the currency. Must be one of the valid alphabetic, three-letter currency ISO codes defined by the ISO 4217 standard, such as `USD`, `GBP`, or `JPY`. Must be unique within your organization. Label is **Currency ISO Code**.

Usage

This object is for multicurrency organizations only. Use this object to define the currencies your organization uses.

When updating an existing record, make sure to provide values for all fields to avoid undesired changes to the CurrencyType. For example, if a value for `IsActive` is not provided, the default (`false`) is used, which could result in a currently active CurrencyType becoming inactive.

SEE ALSO:

DatedConversionRate

Object Basics

CustomBrand

Represents a custom branding and color scheme. This object is available in API version 28.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the parent entity that this branding applies to. The parent entity can be either a network, organization, topic, or reputation level. The branding applies to the entity that the `ParentId` references. For example, if the `ParentId` references a network ID, the branding applies to that network (community) only, and if the `ParentId` references an organization ID, the branding applies to the organization that it is accessed through, and so on. Label is `Branded Entity ID`.

Usage

Use this object along with CustomBrandAsset to apply a custom branding scheme to your community. The branding scheme for the community shows in both the user interface and in the Salesforce app. You must have "Create and Manage Communities" to customize community branding.

You can also use this object to apply a custom branding scheme to your organization when it is accessed through the Salesforce app.

SEE ALSO:

Network

CustomBrandAsset

Represents a branding element in a custom branding scheme. For example, a color, logo image, header image, or footer text. A CustomBrandAsset can apply to a community or to an org using the Salesforce app. This object is available in API version 28.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
`AssetCategory`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Values include: • `MotifZeronaryColor`—The background color for the header. Label is `Zeronary motif color`. If this CustomBrandAsset is for a network, this is the header color for the network. If it is for an org, this is the header color when users access the Salesforce app. • `MotifPrimaryColor`—The color used for the active tab. Label is `Primary motif color`. Not used for the Salesforce app branding. • `MotifSecondaryColor`—The color used for the top borders of lists and tables. Label is `Secondary motif color`. Not used for the Salesforce app branding. • `MotifTertiaryColor`—The background color for section headers on edit and detail pages. Label is `Tertiary motif color`. Not used for the Salesforce app branding. • `MotifQuaternaryColor`—If this CustomBrandAsset is for a network, this is the background color for network pages. If it is for an org, this is the background color on a splash page. Label is `Quaternary motif color`. • `MotifZeronaryComplementColor`—Font color used with `zeronaryColor`. Label is `Zeronary motif colors complement color`. • `MotifPrimaryComplementColor`—Font color used with `primaryColor`. Label is `Primary motif colors complement color`. Not used for the Salesforce app branding. • `MotifTertiaryComplementColor`—Font color used with `tertiaryColor`. Label is `Tertiary motif colors complement color`. Not used for the Salesforce app branding.

Field Name	Details
	• `MotifQuaternaryComplementColor`—Font color used with `quaternaryColor`. Label is `Quaternary motif colors complement color`. Not used for the Salesforce app branding. • `PageHeader`—An image that appears on the header of the community pages. Can be an .html, .gif, .jpg, or .png file. Label is `Page Header`. Not used for the Salesforce app branding. • `PageFooter`—An image that appears on the footer of the community pages. Must be an .html file. Label is `Page Footer`. Not used for the Salesforce app branding. • `LoginFooterText`—The text that appears in the footer of the community login page. Label is `Footer text displayed on the login page`. Not used for the Salesforce app branding. • `LoginLogoImageId`—The logo that appears on the community login page for external users. In the Salesforce app, this logo also appears on the community splash page. Label is `Logo image displayed on the login page`. • `LargeLogoImageId`—Only used for the Salesforce app. The logo that appears on the splash page when you start the Salesforce app. Label is `Large logo image`. • `SmallLogoImageId`—Only used for the Salesforce app. The logo that appears on the publisher in the Salesforce app. Label is `Small logo image`. • `StaticLogoImageURL`—The logo that appears on the community login page for external users. Label is `Static logo image url`. • `LoginQuaternaryColor`—The background color that appears on the community login page for external users. Label is `Login background color`. • `LoginRightFrameUrl`—The URL to the contents that appears on right side of the community login page for external users. Label is `Login right frame url`. • `LogoAssetId`—ID of the document, if the logo is uploaded to the Documents folder. The logo appears on the login page community login page for external users. Label is `Logo asset image`.
`AssetSourceId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description ID of the document uploaded to the Documents folder if the value of `AssetCategory` is `PageHeader`, `PageFooter`, or `LoginLogoImageId`.
`CustomBrandId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the associated CustomBrand.
`ForeignKeyAssetId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** This field was removed in API version 41.0, and is available in earlier versions for backward compatibility only. Use `AssetSourceId` instead. ID of the document used if the `AssetCategory` is `PageHeader`, `PageFooter`, or `LoginLogoImageId`.
`TextAsset`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Text used if the `AssetCategory` is `LoginFooterText`.

Usage

Use this object to add basic branding elements—color scheme, header or footer images, login page logo, or footer text—to the branding scheme (CustomBrand) for your Network. You must have “Create and Manage Communities” to customize community branding.

If you’re using communities in the Salesforce app, the loading page shows the logo.

SEE ALSO:

Network

CustomHttpHeader

Represents a custom HTTP header that provides context information from Salesforce such as region, org details, or the role of the person viewing the external object. This object is available in API version 43.0 and later.

Supported Calls

describeLayout(), `query()`, `retrieve()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Filter, Nillable, Sort **Description** A text description of the header field’s purpose.
`HeaderFieldName`	**Type** string **Properties** Filter, Group, Sort **Description** Name of the header field. The name must contain at least one alphanumeric character or underscore. It can also include: ! # $ % & ' * + - . ^ _ ` | ~
`HeaderFieldValue`	**Type** string **Properties** Filter, Sort **Description** A formula that resolves to the value for the header. The values in the formula must evaluate to a string. If the formula resolves to null and an empty string, the header isn’t sent.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the custom HTTP header is available to use.

Field Name	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the entity that the custom HTTP header is related to.

Usage

For each OData external data source, define up 10 HTTP headers to request data.

Note: HTTP headers aren't supported on named credentials.

*Custom Metadata Type*__mdt

Represents a custom metadata record. This object is available in API version 34.0 and later.

The object name is a variable with the syntax *`Custom Metadata Type`*__mdt, where *`Custom Metadata Type`* is the `Object Name` for the custom metadata type associated with the custom metadata record. For example, `PicklistUsage__mdt` represents a custom metadata record based on the `PicklistUsage` custom metadata type.

Supported Calls

`describeSObjects()`, `describeLayout()`, `query()`, `retrieve()`

Fields

Field	Details
`Custom Field__c`	**Type** Any Type **Properties** Filter, Group, Nillable, Sort **Description** A custom field on the record.
`DeveloperName`	**Type** string **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.
`isProtected`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** When a custom metadata type's records are released in a managed package, access to them is limited in specific ways. • Code that's in the same managed package as custom metadata records can read the records. • Code that's in the same managed package as custom metadata types can read the records that belong to that type. • Code that's in a managed package that doesn't contain either the type or the protected record can't read the protected records. • Code that the subscriber creates and code that's in an unmanaged package can't read the protected records. • The developer can modify protected records only with a package upgrade. The subscriber can't read or modify protected records. The developer name of a protected record can't be changed after release. Records that are hidden by these access rules are also unavailable to REST, SOAP, SOQL, and Setup.
`Label`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The custom metadata record label. This label value is always the same as the `MasterLabel` value.
`Language`	**Type** string **Properties** Filter, Group, restrictedPicklist, Sort

Field	Details
	Description The language of the custom metadata record. This value is always the default language of the developing organization.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The master label for the custom metadata record.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation.
`QualifiedApiName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A concatenation of the namespace prefix and developer name. The format is *`NamespacePrefix__DeveloperName`*.

*`Custom Object`*__Feed

*`Custom Object`*__Feed is the base object for all record feed objects. For example, AccountFeed is based on *`Custom Object`*__Feed. The *`Custom Object`*__Feed object is not, in itself, accessible. Objects based on the *`Custom Object`*__Feed object are available in API version 18.0 and later.

Here is a table with links to Custom Object Feed types

Custom Feed Type	Custom Feed Type	Custom Feed Type	Custom Feed Type
AccountFeed	Article Type__Feed	AssetFeed	CampaignFeed
CaseFeed	CollaborationGroupFeed	ContactFeed	ContentDocumentFeed
ContractFeed	DashboardComponentFeed	DashboardFeed	EntitlementFeed

Custom Feed Type	Custom Feed Type	Custom Feed Type	Custom Feed Type
EventFeed	GoalFeed	LeadFeed	LinkedArticleFeed
MetricFeed	NewsFeed	OpportunityFeed	—
OrderFeed	OrderItemFeed	Product2Feed	ProductRequestFeed
ProductTransferFeed	ProfileSkillEndorsementFeed	ProfileSkillFeed	ProfileSkillUserFeed
QuoteFeed	ReportFeed	ResourceAbsenceFeed	ServiceAppointmentFeed
ServiceContractFeed	ServiceResourceCapacityFeed	ServiceResourceFeed	ServiceResourceSkillFeed
ServiceResourceSkillFeed	ServiceTerritoryFeed	ServiceTerritoryMemberFeed	SkillRequirementFeed
SolutionFeed	TaskFeed	TopicFeed	UserFeed
UserProfileFeed	WorkCoachingFeed	WorkFeedbackRequestFeed	WorkGoalFeed
WorkOrderFeed	WorkOrderLineItemFeed	WorkPerformanceCycleFeed	WorkTypeFeed

A custom object feed shows posts and comments about the object as well as recent changes to the object's tracked fields. Feeds offer a useful way to stay up-to-date with changes made to a custom object. The object name is variable and uses a `Custom Object`__Feed syntax, where `Custom Object` is the `Object Name` for the custom object. For example, `Article Type__Feed` represents a feed object for the custom object named Article Type.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Usage

Use this object to track changes for a custom object. A record of this object type is automatically created when a user enables feed tracking for a custom object.

CustomPermission

Represents a permission created to control access to a custom process or app, such as sending email. This object is available in API version 31.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** A description of the custom permission. Limit: 255 characters.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the custom permission in the API. This name can contain only underscores and alphanumeric characters and must be unique in your organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. The label corresponds to **Name** in the user interface. Limit: 80 characters. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the custom permission. Valid values are: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de`

Field Name	Details
	• Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th`
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The custom permission label, which corresponds to **Label** in the user interface. Limit: 80 characters.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Usage

Use the CustomPermission object to determine users' access to custom permissions.

For example, to query all permission sets where the Button1 permission is enabled:

```
SELECT Id, DeveloperName,
(select Id, Parent.Name, Parent.Profile.Name from SetupEntityAccessItems)
FROM CustomPermission
WHERE DeveloperName = 'Button1'
```

To query all permission sets and profiles with custom permissions:

```
SELECT Assignee.Name, PermissionSet.Id,
PermissionSet.Profile.Name,
PermissionSet.isOwnedByProfile,
PermissionSet.Label
FROM PermissionSetAssignment
WHERE PermissionSetId
IN (SELECT ParentId
   FROM SetupEntityAccess
   WHERE SetupEntityType =
'CustomPermission')
```

To query for all SetupEntityAccess rows with custom permissions:

```
SELECT Id,ParentId,Parent.Name, SetupEntityId
FROM SetupEntityAccess
WHERE SetupEntityType='CustomPermission'
AND ParentId
IN (SELECT Id
   FROM PermissionSet
   WHERE isOwnedByProfile = false)
```

SEE ALSO:

CustomPermissionDependency
PermissionSet
Profile
SetupEntityAccess

CustomPermissionDependency

Represents the dependency between two custom permissions when one custom permission requires that you enable another custom permission. This object is available in API version 32.0 and later.

Supported Calls

`describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`CustomPermissionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the custom permission that requires the permission that's specified in `RequiredCustomPermissionId`.
`RequiredCustomPermissionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the custom permission that must be enabled when `CustomPermissionId` is enabled.

Usage

The following Apex class contains a method that returns the IDs of all custom permissions that are required for the given custom permission ID. To use this class, save it in your organization.

```
public class CustomPermissionUtil {
   public String[] getAllRequiredCustomPermissions(String customPermId) {
      return getAllRequiredHelper(new String[]{customPermId});
   }

   private String[] getAllRequiredHelper(String[] customPermIds) {
      CustomPermissionDependency[] requiredPerms = [SELECT RequiredCustomPermissionId
                                                     FROM CustomPermissionDependency
                                                     WHERE CustomPermissionId
                                                     IN :customPermIds];
      String[] requiredPermIds = new String[]{};
      for (CustomPermissionDependency cpd : requiredPerms) {
         requiredPermIds.add(cpd.RequiredCustomPermissionId);
      }
      if (requiredPermIds.size() > 0) {
         customPermIds.addall(getAllRequiredHelper(requiredPermIds));
         return customPermIds;
      } else {
         return customPermIds;
      }
   }
}
```

For more information about using Apex classes, see the *Lightning Platform Apex Code Developer's Guide*.

SEE ALSO:

CustomPermission

DandBCompany

Represents a Dun & Bradstreet® company record, which is associated with an account added from Data.com. This object is available in API version 25.0 and later.

Warning: You can update fields in the DandBCompany object; however, field changes may be overwritten by Data.com Clean jobs or by using the Data.com Clean button.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Only organizations with Data.com Premium Prospector or Data.com Premium Clean can access this object.

Fields

Field Name	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city where a company is physically located. Maximum size is 40 characters.
`CompanyCurrencyIsoCode`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The code used to represent a company's local currency. This data is provided by the International Organization for Standardization (ISO) and is based on their three-letter currency codes. For example, USD is the ISO code for United States Dollar. Maximum size is 3 characters.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country where a company is physically located. Maximum size is 40 characters.
`CountryAccessCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The required code for international calls. Maximum size is 4 characters.
`CurrencyCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The currency in which the company's sales volume is expressed. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 4 characters.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** A brief description of the company, which may include information about its history, its products and services, and its influence on a particular industry. Maximum size is 32000 characters.
`DomesticUltimateBusinessName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The primary name of the Domestic Ultimate, which is the highest ranking subsidiary, specified by country, within an organization’s corporate structure. Maximum size is 255 characters.
`DomesticUltimateDunsNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The D-U-N-S Number for the Domestic Ultimate, which is the highest ranking subsidiary, specified by country, within an organization’s corporate structure. Maximum size is 9 characters.
`DunsNumber`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The Data Universal Numbering System (D-U-N-S) number is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. D-U-N-S numbers are used by industries and organizations around the world as a global standard for business identification and tracking. Maximum size is 9 characters.
`EmployeeQuantityGrowthRate`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The yearly growth rate of the number of employees in a company expressed as a decimal percentage. The data includes the total employee growth rate for the past two years.
`EmployeesHere`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The number of employees at a specified location, such as a branch location. Maximum size is 15 characters.

Field Name	Details
EmployeesHereReliability	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The reliability of the `EmployeesHere` figure. Available values include: • 0—Actual number • 1—Low • 2—Estimated (for all records) • 3—Modeled (for non-US records)
EmployeesTotal	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The total number of employees in the company, including all subsidiary and branch locations. This data is only available on records that have a value of *`Headquarters/Parent`* in the `LocationStatus` field. Maximum size is 15 characters.
EmployeesTotalReliability	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The reliability of the `EmployeesTotal` figure. Available values include: • 0—Actual number • 1—Low • 2—Estimated (for all records) • 3—Modeled (for non-US records) A blank value indicates this data is unavailable.
FamilyMembers	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of family members, worldwide, within an organization, including the Global Ultimate, its subsidiaries (if any), and its branches (if any). Maximum size is 5 characters.

Field Name	Details
Fax	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The company’s facsimile number.
FifthNaics	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional NAICS code used to further classify an organization by industry. Maximum size is 6 characters.
FifthNaicsDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding NAICS code. Maximum size is 120 characters.
FifthSic	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
FifthSic8	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
FifthSic8Desc	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
FifthSicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
FipsMsaCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The Federal Information Processing Standards (FIPS) and the Metropolitan Statistical Area (MSA) codes identify the organization’s location. The MSA codes are defined by the US Office of Management and Budget. Maximum size is 5 characters.
FipsMsaDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s FIPS MSA code. Maximum size is 255 characters.
FortuneRank	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The numeric value of the company’s Fortune 1000 ranking. A null or blank value means that the company isn’t ranked as a Fortune 1000 company.
FourthNaics	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** An additional NAICS code used to further classify an organization by industry. Maximum size is 6 characters.
FourthNaicsDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding NAICS code. Maximum size is 120 characters.
FourthSic	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
FourthSic8	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
FourthSic8Desc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
FourthSicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
`GeoCodeAccuracy`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. Available values include: • A – *`Non-US rooftop accuracy`* • B – *`Block level`* • C – *`Places the address in the correct city`* • D – *`Rooftop level`* • I – *`Street intersection`* • M – *`Mailing address level`* • N – *`Not matched`* • P – *`PO BOX location`* • S – *`Street level`* • T – *`Census tract level`* • Z – *`ZIP code level`* • 0 (zero)– *`Geocode could not be assigned`*
`GlobalUltimateBusinessName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The primary name of the Global Ultimate, which is the highest entity within an organization's corporate structure and may oversee branches and subsidiaries. Maximum size is 255 characters.
`GlobalUltimateDunsNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The D-U-N-S Number of the Global Ultimate, which is the highest entity within an organization's corporate structure and may oversee branches and subsidiaries. Maximum size is 9 characters.

Field Name	Details
GlobalUltimateTotalEmployees	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The total number of employees at the Global Ultimate, which is the highest entity within an organization’s corporate structure and may oversee branches and subsidiaries. Maximum size is 15 characters.
ImportExportAgent	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Identifies whether a business imports goods or services, exports goods or services, and/or is an agent for goods. Available values include: • A—Importer/exporter/agent • B—Importer/exporter • C—Importer • D—Importer/agent • E—Exporter/agent • F—Agent (keeps no inventory and does not take title goods) • G—None or data not available • H—Exporter
IncludedInSnP500	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A true or false value. If `true`, the company is listed in the S&P 500 Index. If `false`, the company isn’t listed in the S&P 500 Index.
Latitude	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Used with longitude to specify a precise location, which is then used to assess the Geocode Accuracy. Maximum size is 11 characters.

Field Name	Details
`LegalStatus`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Identifies the legal structure of an organization.
`LocationStatus`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Identifies the organizational status of a company. Available values are *`Single location`*, *`Headquarters/Parent`*, and *`Branch`*. Available values include: • 0—Single location (no other entities report to the business) • 1—Headquarters/parent (branches and/or subsidiaries report to the business) • 2—Branch (secondary location to a headquarters location)
`Longitude`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Used with latitude to specify a precise location, which is then used to assess the Geocode Accuracy. Maximum size is 11 characters.
`MailingAddress`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the mailing address. Read-only. See Address Compound Fields for details on compound address fields.
`MailingCity`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city where a company has its mail delivered. Maximum size is 40 characters.

Field Name	Details
`MailingCountry`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country where a company has its mail delivered. Maximum size is 40 characters.
`MailingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code that a company uses on its mailing address. Maximum size is 20 characters.
`MailingState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state where a company has its mail delivered. Maximum size is 20 characters.
`MailingStreet`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street address where a company has its mail delivered. Maximum size is 255 characters.
`MarketingPreScreen`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The probability that a company will pay with a significant delay compared to the agreed terms. The risk level is based on the standard Commercial Credit Score, and ranges from low risk to high risk. Available values include: • L—*`Low risk of delinquency`* • M—*`Moderate risk of delinquency`* • H—*`High risk of delinquency`*

Field Name	Details
	Important: Use this information for marketing pre-screening purposes only.
`MarketingSegmentationCluster`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Twenty-two distinct, mutually exclusive profiles, created as a result of cluster analysis of Dun & Bradstreet data for US organizations.
`MinorityOwned`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether an organization is owned or controlled by a member of a minority group. Available values include: • Y—Minority owned • N—Not minority owned
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The primary or registered name of a company. Maximum size is 255 characters.
`NationalId`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The identification number used in some countries for business registration and tax collection. Maximum size is 255 characters.
`NationalIdType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description A code value that identifies the type of national identification number used. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 5 characters.
OutOfBusiness	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether the company at the specified address has discontinued operations. Available values include: • Y—Out of business • N—Not out of business
OwnOrRent	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether a company owns or rents the building it occupies. Available values include: • 0—Unknown or not applicable • 1—Owns • 2—Rents
ParentOrHqBusinessName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The primary name of the parent or headquarters company. Maximum size is 255 characters.
ParentOrHqDunsNumber	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The D-U-N-S Number for the parent or headquarters. Maximum size is 9 characters.

Field Name	Details
`Phone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A company's primary telephone number.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code that corresponds to a company's physical location. Maximum size is 20 characters.
`PremisesMeasure`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A numeric value for the measurement of the premises.
`PremisesMeasureReliability`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A descriptive accuracy of the measurement such as actual, estimated, or modeled.
`PremisesMeasureUnit`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A descriptive measurement unit such as acres, square meters, or square feet.
`PrimaryNaics`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The six-digit North American Industry Classification System (NAICS) code is the standard used by business and government to classify business establishments according to their economic activity for the purpose of collecting, analyzing, and publishing statistical data related to the US business economy. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 6 characters.
`PrimaryNaicsDesc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on its NAICS code. Maximum size is 120 characters.
`PrimarySic`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The four-digit Standard Industrial Classification (SIC) code is used to categorize business establishments by industry. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 4 characters.
`PrimarySic8`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The eight-digit Standard Industrial Classification (SIC) code is used to categorize business establishments by industry. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 8 characters.
`PrimarySic8Desc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of an organization's line of business, based on its SIC code. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 80 characters.
PrimarySicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on its SIC code. Maximum size is 80 characters.
PriorYearEmployees	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of employees for the prior year.
PriorYearRevenue	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The annual revenue for the prior year.
PublicIndicator	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether ownership of the company is public or private. Available values include: • Y—Public • N—Private
SalesTurnoverGrowthRate	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description The increase in annual revenue from the previous value for an equivalent period expressed as a decimal percentage.
`SalesVolume`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The total annual sales revenue in the headquarters' local currency. Dun & Bradstreet tracks revenue data for publicly traded companies, Global Ultimates, Domestic Ultimates, and some headquarters.
`SalesVolumeReliability`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The reliability of the `SalesVolume` figure. Available values include: • 0—Actual number • 1—Low • 2—Estimated (for all records) • 3—Modeled (for non-US records)
`SecondNaics`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional NAICS code used to further classify an organization by industry. Maximum size is 6 characters.
`SecondNaicsDesc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding NAICS code. Maximum size is 120 characters.
`SecondSic`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
`SecondSic8`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
`SecondSic8Desc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
`SecondSicDesc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
`SixthNaics`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional NAICS code used to further classify an organization by industry. Maximum size is 6 characters.
`SixthNaicsDesc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of an organization's line of business, based on the corresponding NAICS code. Maximum size is 120 characters.
SixthSic	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
SixthSic8	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
SixthSic8Desc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
SixthSicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
SmallBusiness	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description Indicates whether the company is designated a small business as defined by the Small Business Administration of the US government. Available values include: • Y—Small business site • N—Not small business site
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state where a company is physically located. Maximum size is 20 characters.
`StockExchange`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The corresponding exchange for a company's stock symbol. For example: NASDAQ or NYSE. Maximum size is 16 characters.
`StockSymbol`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The abbreviation used to identify publicly traded shares of a particular stock. Maximum size is 6 characters.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street address where a company is physically located. Maximum size is 255 characters.
`Subsidiary`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description Indicates whether a company is more than 50 percent owned by another organization. Available values include: • 0—Not subsidiary of another organization • 3—Subsidiary of another organization
`ThirdNaics`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional NAICS code used to further classify an organization by industry. Maximum size is 6 characters.
`ThirdNaicsDesc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization's line of business, based on the corresponding NAICS code. Maximum size is 120 characters.
`ThirdSic`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
`ThirdSic8`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
`ThirdSic8Desc`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
ThirdSicDesc	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
TradeStyle1	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A name, different from its legal name, that an organization may use for conducting business. Similar to “Doing business as” or “DBA”. Maximum size is 255 characters.
TradeStyle2	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional tradestyle used by the organization. Maximum size is 255 characters.
TradeStyle3	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional tradestyle used by the organization. Maximum size is 255 characters.
TradeStyle4	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional tradestyle used by the organization. Maximum size is 255 characters.

Field Name	Details
TradeStyle5	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An additional tradestyle used by the organization. Maximum size is 255 characters.
URL	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An organization’s primary website address. Maximum size is 104 characters.
UsTaxId	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The identification number for the company used by the Internal Revenue Service (IRS) in the administration of tax laws. Also referred to as Federal Taxpayer Identification Number. Maximum size is 9 characters.
WomenOwned	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether a company is more than 50 percent owned or controlled by a woman. Available values include: • Y—Owned by a woman • N—Not owned by a woman, or unknown
YearStarted	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The year the company was established or the year when current ownership or management assumed control of the company. Maximum size is 4 characters.

Usage

Use this object to manage D&B Company records in your organization.

Dashboard

Represents a dashboard, which shows data from custom reports as visual components. Access is read-only. This object is available in API version 20.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`

Fields

Field	Details
`BackgroundDirection`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Returns the direction of the background fade. Available values are: • `Top to Bottom` • `Left to Right` • `Diagonal` (default value) Label is `Background Fade Direction`.
`BackgroundEnd`	**Type** int **Properties** Filter, Group, Sort **Description** Returns the ending fade color in hexadecimal. Label is `Ending Color`.
`BackgroundStart`	**Type** int **Properties** Filter, Group, Sort **Description** Returns the starting fade color in hexadecimal. Label is `Starting Color`.

Field	Details
Description	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Returns the description of the dashboard. Limit: 255 characters.
DeveloperName	**Type** string **Properties** Filter, Group, Sort **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is `Dashboard Unique Name`. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
FolderId	**Type** reference **Properties** Filter, Group, Sort **Description** Required. Returns the ID of the Folder that contains the dashboard. See Folder.
FolderName	**Type** string **Properties** Filter, Nillable, Sort **Description** Name of the folder that contains the dashboard. Available in API version 35.0 and later.
IsDeleted	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is `Deleted`.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LeftSize`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Returns the size of the left column of the dashboard. Available values are: • `Narrow` • `Medium` • `Wide`
`MiddleSize`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Returns the size of the middle column of the dashboard. Available values are:

Field	Details
	• `Narrow` • `Medium` • `Wide`
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`RightSize`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Returns the size of the right column in the dashboard. Available values are: • `Narrow` • `Medium` • `Wide`
`RunningUserId`	**Type** reference **Properties** Filter, Group, Sort **Description** Returns the ID of the running user specified for the dashboard.

Field	Details
	If the dashboard was created in Lightning Experience and is configured to run as the viewing user, returns the user ID of the dashboard creator. If the dashboard was created in Salesforce Classic and is configured to run as the logged-in user, returns the user ID of the last specified running user.
`TextColor`	**Type** int **Properties** Filter, Group, Sort **Description** Returns the body text color in hexadecimal. Label is `Text Color`.
`Title`	**Type** string **Properties** Filter, Group, Sort **Description** Returns the title of the dashboard. Limit: 80 characters.
`TitleColor`	**Type** int **Properties** Filter, Group, Sort **Description** Returns the title text color in hexadecimal. Label is `Title Color`.
`TitleSize`	**Type** int **Properties** Filter, Group, Sort **Description** Returns the title font size in points. Label is `Title Size`.
`Type`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Returns the dashboard type. Available values are: • `SpecificUser`—The dashboard displays data according to the access level of one specific running user.

Field	Details
	• `LoggedInUser`—The dashboard displays data according to the access level of the logged-in user. • `MyTeamUser`—The dashboard displays data according to the access level of the logged-in user, and managers can view dashboards from the point of view of users beneath them in the role hierarchy.

Supported Query Scopes

Use these scopes to help specify the data that your SOQL query returns.

allPrivate
Records saved in all users' private folders.

Requires the user permission "Manage All Private Reports and Dashboards" and Enhanced Analytics Folder Sharing. If your organziation was created after the Summer '13 release, you already have Enhanced Analytics Folder Sharing. Available in API version 36.0 and later.

created
Records created by the user running the query.

everything
All records except records saved in other users' private folders.

mine
Records saved in the private folder of the user running the query.

Usage

Provides read only access to the current values in the dashboard fields.

Example: Dashboards in an Inactive User's Private Folder

This SOQL query returns dashboards saved in a specific user's private folder.

```
SELECT Id FROM Dashboard USING SCOPE allPrivate WHERE CreatedByID = '005A0000000Bc2deFG'
```

SEE ALSO:

DashboardFeed

DashboardTag

Report

DashboardComponent

Represents a dashboard component, which can be a chart, metric, table, or gauge on a dashboard. Access is read-only. This object is available in API version 21.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CustomReportId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Requires the user permission "Manage All Private Reports and Dashboards." The ID of the report that provides data for the dashboard component. See Report.
`DashboardId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the dashboard that contains the dashboard component. See Dashboard.
`Name`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the dashboard component.

Usage

Provides read only access to the current values in dashboard component fields.

DashboardComponentFeed

Represents a single feed item in the feed displayed on a dashboard component. This object is available in API version 21.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of DashboardComponentFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Create, Nillable, Sort

Field	Details
	Description This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Create, Group, Nillable, Sort **Description** This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDate DESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>`

Field	Details
	• `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, LastModifiedDate is the same as CreatedDate. If a FeedComment is inserted on that feed item, then LastModifiedDate becomes the CreatedDate for that FeedComment. Deleting the FeedComment does not change the LastModifiedDate. Ordering by LastModifiedDate DESC sorts the feed by both the most recent feed item or comment.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Create, Nillable, Sort **Description** The URL of a LinkPost.
NetworkScope	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the dashboard that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Create, Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `Type ContentPost`.
`Title`	**Type** string **Properties** Create, Group, Nillable, Sort, Update

Field	Details
	Description The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name. The `Title` field can be updated on posts of `Type` `QuestionPost`.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of FeedItem. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create FeedItem types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed.

Field	Details
	• `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to retrieve the current contents of the feed fields, such as type of feed or feed ID.

DashboardFeed

Represents a single feed item in the feed displayed on a dashboard. This object is available in API version 20.0 and later.

Shows changes to dashboard fields tracked in feeds, and posts and comments about the dashboard.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

> Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of DashboardFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your

Field	Details
	comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.

Field	Details
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort

Field	Details
	Description Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.

Field	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the dashboard that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval.

Field	Details
	• `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization.

Field	Details
	`Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to retrieve the current contents of the feed fields, such as type of feed or feed ID.

SEE ALSO:
Dashboard

DashboardTag

Associates a word or short phrase with a Dashboard. This object is available in API version 20.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string

Field Name	Details
	Properties Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

DashboardTag stores the relationship between its parent TagDefinition and the Dashboard being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

SEE ALSO:

Dashboard

DataAssessmentFieldMetric

Represents summary statistics for matched, blank, and differing fields in account records of an org compared to records in Data.com.This object is available in API version 37.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Child Relationships

DataAssessmentFieldMetric is a child object of DataAssessmentMetric object.

Fields

Field Name	Details
`DataAssessmentMetricId`	**Type** reference **Properties** Filter, Group, Sort **Description** A unique number that identifies the parent DataAssessmentMetric record.
`FieldName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the assessed field.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An optional field used to name your record.
`NumMatchedBlanks`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of matched records that contain blank fields.
`NumMatchedDifferent`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The number of matched records that have a different value for this field.
NumMatchedInSync	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of matched records that have the same value for this field.
NumUnmatchedBlanks	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of unmatched records that contain blank fields.

DataAssessmentMetric

Represents a summary of statistics for fields matched and unmatched in your account records with Data.com account records.This object is available in API version 37.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An optional field used to name your record.
NumDuplicates	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The number of duplicate records.
NumMatched	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of matched records.
NumMatchedDifferent	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of records in your org matched with a Data.com record that have different fields.
NumProcessed	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of records processed in the data assessment.
NumTotal	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of records available for data assessment processing.
NumUnmatched	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of records not matched.

DataAssessmentValueMetric

Summarizes the number of fields matched for your account records with Data.com account records.This object is available in API version 37.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Child Relationships

DataAssessmentValueMetric is a child of DataAssessementFieldMetric.

Fields

Field Name	Details
`DataAssessmentFieldMetricId`	**Type** reference **Properties** Filter, Group, Sort **Description** A unique number that identifies the parent DataAssessementFieldMetric record.
`FieldValue`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The value in the matched field.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An optional field used to name your record.
`ValueCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of times this value appears in this field.

DatacloudCompany

Represents the fields for Data.com company records. This object is available in API version 30.0 or later.

Supported Calls

`describeLayout()`, `describeSObjects()`, `query()`

Fields

Field Name	Details
`ActiveContacts`	**Type** int **Properties** Nillable **Description** The number of active contacts that are associated with a company.
`AnnualRevenue`	**Type** currency **Properties** Filter, Nillable **Description** The amount of money that the company makes in 1 year. Annual revenue is measured in US dollars.
`City`	**Type** string **Properties** Filter, Nillable, Sort **Description** The name of the city where the company is located.
`CompanyId`	**Type** string **Properties** Filter, Nillable **Description** A unique numerical identifier for the company and theData.com identifier for a company.

Field Name	Details
Country	**Type** string **Properties** Filter, Nillable, Sort **Description** A string that represents the standard abbreviation for the country where the company is located.
CountryCode	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist **Description** A standardized name for countries of the world.
Description	**Type** string **Properties** Nillable **Description** A brief synopsis of the company that provides a general overview of the company and what it does.
DunsNumber	**Type** string **Properties** Filter, Nillable **Description** A randomly generated nine-digit number that's assigned by Dun & Bradstreet (D&B) to identify unique business establishments.
EmployeeQuantityGrowthRate	**Type** double **Properties** Nillable **Description** The yearly growth rate of the number of employees in a company expressed as a decimal percentage. The data includes the total employee growth rate for the past two years.

Field Name	Details
ExternalId	**Type** string **Properties** Filter, Nillable, Sort **Description** A unique numerical identifier for the company. The ExternalId is a system-generated number.
Fax	**Type** phone **Properties** Nillable **Description** The telephone number that's used to send and receive faxes.
FortuneRank	**Type** int **Properties** Defaulted on create, Group, Nillable **Description** The numeric value of the company's Fortune 1000 ranking. A null or blank value means that the company isn't ranked as a Fortune 1000 company.
FullAddress	**Type** string **Properties** Group, Nillable **Description** The complete address of a company, including Street, City, State, and Zip.
IncludedInSnP500	**Type** string **Properties** Group, Nillable **Description** A true or false value. If true, the company is listed in the S&P 500 Index. If false, the company isn't listed in the S&P 500 Index.
Industry	**Type** string

Field Name	Details
	Properties Nillable **Description** A description of the type of industry such as Telecommunications, Agriculture, or Electronics.
IsInCrm	**Type** boolean **Properties** Defaulted on create, Group **Description** Whether the record is in Salesforce (true) or not (false).
IsInactive	**Type** boolean **Properties** Defaulted on create, Filter **Description** A true or false response. True, the company record is not active. False, the company record is active.
IsOwned	**Type** boolean **Properties** Defaulted on create **Description** A true or false value. True, your organization owns the record. False, your organization doesn't own the record.
NaicsCode	**Type** string **Properties** Filter, Nillable **Description** A value that represents the North American Industry Classification System (NAICS) code. NAICS was created to provide details about a business's service orientation. The code descriptions are focused on what a business does.
NaicsDesc	**Type** string

Field Name	Details
	Properties Nillable **Description** A description of the NAICS classification.
`Name`	**Type** string **Properties** Filter, Nillable, Sort **Description** The company's name.
`NumberOfEmployees`	**Type** int **Properties** Filter, Nillable **Description** The number of employees working for the company.
`Ownership`	**Type** string **Properties** Filter, Nillable **Description** The type of ownership of the company: • `Public` • `Private` • `Government` • `Other`
`Phone`	**Type** phone **Properties** Nillable **Description** A numeric string containing the primary telephone number for the company.
`PremisesMeasure`	**Type** int

Field Name	Details
	Properties Group, Nillable **Description** A numeric value for the measurement of the premises.
`PremisesMeasureReliability`	**Type** string **Properties** Group, Nillable **Description** A descriptive accuracy of the measurement such as actual, estimated, or modeled.
`PremisesMeasureUnit`	**Type** string **Properties** Group, Nillable **Description** A descriptive measurement unit such as acres, square meters, or square feet.
`PriorYearEmployees`	**Type** int **Properties** Group, Nillable **Description** The total number of employees for the prior year.
`PriorYearRevenue`	**Type** double **Properties** Nillable **Description** The annual revenue for the prior year.
`SalesTurnoverGrowthRate`	**Type** double **Properties** Nillable **Description** The increase in annual revenue from the previous value for an equivalent period expressed as a decimal percentage.

Field Name	Details
Sic	**Type** string **Properties** Filter, Nillable **Description** A numeric value that represents the Standard Industrial Codes (SIC). SIC is a numbering convention that indicates what type of service a business provides. It is a four-digit value.
SicCodeDesc	**Type** string **Properties** Group, Nillable **Description** The SIC numeric code and descsciption for a company.
SicDesc	**Type** string **Properties** Nillable **Description** A description of the SIC classification.
Site	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist **Description** An organizational status of the company. • Branch: a secondary location to a headquarter location • Headquarter: a parent company with branches or subsidiaries • Single Location: a single business with no subsidiaries or branches
State	**Type** string **Properties** Filter, Nillable, Sort **Description** The two-letter standard abbreviation for a state.

Field Name	Details
StateCode	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist **Description** A standard two-letter abbreviation for states and territories of the United States. The state where the company is located. The abbreviation can also be a province or other equivalent to a state, depending on the country where the company is located.
Street	**Type** string **Properties** Nillable **Description** A postal address for the company.
TickerSymbol	**Type** string **Properties** Nillable **Description** The symbol that uniquely identifies companies that are traded on public stock exchanges.
TradeStyle	**Type** string **Properties** Nillable **Description** A legal name under which a company conducts business.
UpdatedDate	**Type** dateTime **Properties** Nillable, Sort **Description** The last date and time when the information for this company was updated.

Field Name	Details
`Website`	**Type** url **Properties** Nillable **Description** The standard URL for the company's home page.
`YearStarted`	**Type** string **Properties** Nillable **Description** The year when the company was founded.
`Zip`	**Type** string **Properties** Filter, Nillable **Description** A numeric postal code that's designated for the address.

Usage

Use the DatacloudCompany object to search the Data.com database for companies with the specific criteria that you enter. Use this object to find company records that you are interested in purchasing for your organization. Data.com APIs use the term "company," which is similar to Salesforce term "accounts."

Important: DatacloudCompany can't be used in Apex test methods, because an external web service call is required to access it. These calls are not allowed in Apex test methods.

DatacloudContact

The fields and properties for Data.com contact records. This object is available in API version 30.0 or later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`City`	**Type** string **Properties** Filter, Nillable, Sort **Description** The city where the company is located.
`CompanyId`	**Type** string **Properties** Filter, Nillable **Description** The unique numerical identifier for the company and the Data.com company identification number or Data.com Key.
`CompanyName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the company.
`ContactId`	**Type** string **Properties** Filter, Nillable **Description** The unique numeric identifier for this contact.
`Country`	**Type** string **Properties** Filter, Nillable, Sort **Description** The standard abbreviation or name for the country where the company is located. Note: You can enter a comma-separated list of countries; however, for a country that uses a comma in its name, leave out the comma. For example, enter "Taiwan, ROC" as `Taiwan ROC`.

Field Name	Details
Department	**Type** picklist **Properties** Filter, Group, Restricted picklist **Description** The department in the company that the contact is affiliated with. The values of this field are fixed enumerated values. • Engineering • Finance • Human Resources • IT • Marketing • Operations • Other • Sales • Support
Email	**Type** email **Properties** Filter, Nillable **Description** A business email address for the contact.
ExternalId	**Type** string **Properties** Filter, Nillable, Sort **Description** A unique system-generated numerical identifier for the contact.
FirstName	**Type** string **Properties** Filter, Nillable **Description** The first name of the contact.

Field Name	Details
IsInCrm	**Type** boolean **Properties** Defaulted on create, Group **Description** Whether the record is in Salesforce (true) or not (false).
IsInactive	**Type** boolean **Properties** Defaulted on create, Filter **Description** Whether the record is active (false) or not (true).
IsOwned	**Type** boolean **Properties** Defaulted on create **Description** • `True`: You own this record. • `False`: You do not own this record.
LastName	**Type** string **Properties** Filter, Nillable, Sort **Description** The last name of the contact.
Level	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist **Description** A human resource label that designates a person’s level in the company. The values of this field are fixed enumerated values. • `C-Level` • `VP` • `Director` • `Manager`

Field Name	Details
	• `Staff` • `Other`
`Phone`	**Type** phone **Properties** Nillable **Description** The direct-dial telephone number for the contact.
`SocialHandles`	**Type** string **Properties** The social handles for this contact. Social handles are a normalized URL and user name for social media accounts such as, LinkedIn, Facebook, and Twitter. This field is response-only. The DatacloudSocialHandles object is a child of the DatacloudContact object.
`State`	**Type** string **Properties** Filter, Nillable, Sort **Description** The state where the company is located, which can also be a province or other equivalent to a state, depending on the country where the company is located.
`Street`	**Type** string **Properties** Nillable **Description** The street address for the company where the contact works.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Title of the contact such as CEO or Vice President.

Field Name	Details
UpdatedDate	**Type** dateTime **Properties** Nillable, Sort **Description** The last date and time when the information for a contact was updated.
Zip	**Type** string **Properties** Filter, Nillable **Description** The postal or zip code for the address.

Usage

This object searches the Data.com database for contacts with the specific criteria that you enter. Use this object to find contact records that you are interested in purchasing for your organization.

Important: DatacloudContact can't be used in Apex test methods, because an external web service call is required to access it. These calls are not allowed in Apex test methods.

DatacloudDandBCompany

Represents a set of read-only fields that are used to return D&B company data from Data.com API calls. This object is available in API version 30.0 or later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
City	**Type** string **Properties** Nillable

Field Name	Details
	Description The name of the city where the company is physically located.
CompanyCurrencyIsoCode	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The code used to represent a company's local currency. This data is provided by the International Organization for Standardization (ISO) and is based on their three-letter currency codes. For example, USD is the ISO code for United States Dollar.
CompanyId	**Type** string **Properties** Filter, Nillable, Sort **Description** A unique numeric identifier for a company.
Country	**Type** string **Properties** Nillable **Description** The country where a company is physically located.
CountryAccessCode	**Type** string **Properties** Nillable **Description** The required code for international calls.
CurrencyCode	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The currency in which the company's sales volume is expressed.

Field Name	Details
Description	**Type** string **Properties** Nillable **Description** A brief description of the company, which may include information about its history, its products and services, and its influence on a particular industry.
DomesticUltimateBusinessName	**Type** string **Properties** Nillable **Description** The primary name of the Domestic Ultimate, which is the highest ranking subsidiary, specified by country, within an organization's corporate structure.
DomesticUltimateDunsNumber	**Type** string **Properties** Nillable **Description** The D-U-N-S number for the Domestic Ultimate, which is the highest-ranking subsidiary, specified by country, within an organization's corporate structure.
DunsNumber	**Type** string **Properties** Filter, Nillable **Description** The Data Universal Numbering System (D-U-N-S) number is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. D-U-N-S numbers are used by industries and organizations around the world as a global standard for business identification and tracking.
EmployeeQuantityGrowthRate	**Type** double **Properties** Nillable

Field Name	Details
	Description The yearly growth rate of the number of employees in a company expressed as a decimal percentage. The data includes the total employee growth rate for the past two years.
`EmployeesHere`	**Type** double **Properties** Nillable **Description** The number of employees at a specified location, such as a branch location.
`EmployeesHereReliability`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The reliability of the `EmployeesHere` figure. Available values are *`Actual number`*, *`Low`*, *`Estimated (for all records)`*, *`Modeled (for non-US records)`*. A blank value indicates this data is unavailable.
`EmployeesTotal`	**Type** double **Properties** Nillable **Description** The total number of employees in the company, including all subsidiary and branch locations. This data is available only on records that have a value of *`Headquarters/Parent`* in the `LocationStatus` field.
`EmployeesTotalReliability`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The reliability of the `EmployeesTotal` figure. Available values are *`Actual number`*, *`Low`*, *`Estimated (for all records)`*, *`Modeled (for non-US records)`*. A blank value indicates this data is unavailable.
`ExternalId`	**Type** string

Field Name	Details
	Properties Filter, Nillable, Sort **Description** A system generated numeric identification.
`FamilyMembers`	**Type** int **Properties** Nillable **Description** The total number of family members, worldwide, within an organization, including the Global Ultimate, its subsidiaries (if any), and its branches (if any).
`Fax`	**Type** phone **Properties** Nillable **Description** The company's facsimile number.
`FifthNaics`	**Type** string **Properties** Nillable **Description** A NAICS code that's used to further classify an organization by industry.
`FifthNaicsDesc`	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding NAICS code.
`FifthSic`	**Type** string **Properties** Nillable

Field Name	Details
	Description A Standard Industrial Classification (SIC) code that's used to further classify an organization by industry.
`FifthSic8`	**Type** string **Properties** Group, Nillable **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
`FifthSic8Desc`	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
`FifthSicDesc`	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code.
`FipsMsaCode`	**Type** string **Properties** Nillable **Description** The Federal Information Processing Standards (FIPS) and the Metropolitan Statistical Area (MSA) codes identify the organization's location. The MSA codes are defined by the US Office of Management and Budget.
`FipsMsaDesc`	**Type** string **Properties** Nillable

Field Name	Details
	Description A brief description of an organization's FIPS MSA code.
FortuneRank	**Type** int **Properties** Defaulted on create, Group, Nillable **Description** The numeric value of the company's Fortune 1000 ranking. A null or blank value means that the company isn't ranked as a Fortune 1000 company.
FourthNaics	**Type** string **Properties** Nillable **Description** A NAICS code used to further classify an organization by industry.
FourthNaicsDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding NAICS code.
FourthSic	**Type** string **Properties** Group, Nillable **Description** A SIC code used to further classify an organization by industry.
FourthSic8	**Type** string **Properties** Group, Nillable **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.

Field Name	Details
FourthSic8Desc	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.
FourthSicDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code.
GeoCodeAccuracy	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. Available values include *Rooftop level*, *Street level*, *Block level*, *Census tract level*, *Mailing address level*, *ZIP code level*, *Geocode could not be assigned*, *Places the address in the correct city*, *Not matched*, *State or Province Centroid*, *Street intersection*, *PO BOX location*, *Non-US rooftop accuracy*, *County Centroid*, *Sub Locality-Street Level*, and *Locality Centroid*
GlobalUltimateBusinessName	**Type** string **Properties** Nillable **Description** The primary name of the Global Ultimate, which is the highest entity within an organization's corporate structure and may oversee branches and subsidiaries.
GlobalUltimateDunsNumber	**Type** string **Properties** Filter, Nillable

Field Name	Details
	Description The D-U-N-S number of the Global Ultimate, which is the highest-ranking entity within an organization's corporate structure and can oversee branches and subsidiaries.
GlobalUltimateTotalEmployees	**Type** double **Properties** Nillable **Description** The total number of employees at the Global Ultimate, which is the highest entity within an organization's corporate structure and may oversee branches and subsidiaries.
ImportExportAgent	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Identifies whether a business imports goods or services, exports goods or services, and/or is an agent for goods.
IncludedInSnP500	**Type** string **Properties** Group, Nillable **Description** A true or false value. If `true`, the company is listed in the S&P 500 Index. If `false`, the company isn't listed in the S&P 500 Index.
Industry	**Type** string **Properties** Group, Nillable **Description** A description of the type of industry such as Telecommunications, Agriculture, or Electronics.
IsOwned	**Type** boolean

Field Name	Details
	Properties Defaulted on create **Description** A true or false value. True, your organization owns the record. False, your organization doesn't own the record.
`IsParent`	**Type** boolean **Properties** Defaulted on create, **Description** A true or false value. True, the company is a parent company. False, the company isn't a parent company. A parent company owns other companies.
`Latitude`	**Type** string **Properties** Nillable **Description** Used with longitude to specify a precise location, which is used to assess the Geocode Accuracy.
`LegalStatus`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Identifies the legal structure of an organization. Available values include *`Cooperative`*, *`Nonprofit organization`*, *`Local government body`*, *`Partnership of unknown type`*, and *`Foreign company`*.
`LocationStatus`	**Type** picklist **Properties** Filter, Nillable, Restricted picklist **Description** Identifies the organizational status of a company. A numeric value represents each value.

Field Name	Details
	<table><tr><th>Organizational status</th><th>Numeric value</th></tr><tr><td>*Single location*: The business has no branches or subsidiaries.</td><td>*0*</td></tr><tr><td>*Headquarters/Parent*: A parent company that owns more than 50 percent of another company. When the company also has branches, it's the headquarters.</td><td>*1*</td></tr><tr><td>*Branch*: A secondary location of a business.</td><td>*2*</td></tr></table> Note: Only the numeric value is accepted in an API request.
Longitude	**Type** string **Properties** Nillable **Description** Used with latitude to specify a precise location, which is used to assess the Geocode Accuracy.
MailingCity	**Type** string **Properties** Nillable **Description** The city where a company has its mail delivered.
MailingCountry	**Type** string **Properties** Nillable **Description** The country where a company has its mail delivered.
MailingState	**Type** string **Properties** Nillable

Field Name	Details
	Description The state where a company has its mail delivered.
`MailingStreet`	**Type** string **Properties** Nillable **Description** The street address where a company has its mail delivered.
`MailingZip`	**Type** string **Properties** Nillable **Description** The postal zip code for the company.
`MarketingPreScreen`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The probability that a company pays with a significant delay compared to the agreed terms. The risk level is based on the standard Commercial Credit Score, and ranges from low risk to high risk. Available values are *`High risk of delinquency`*, *`Low risk of delinquency`*, and *`Moderate risk of delinquency`*. **Important:** Use this information for marketing pre-screening purposes only.
`MarketingSegmentationCluster`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Twenty-two distinct, mutually exclusive profiles, created as a result of cluster analysis of Dun & Bradstreet data for US organizations. Available values include *`High-Tension Branches of Insurance/Utility Industries`*, *`Rapid-Growth Large Businesses`*, *`Labor-Intensive Giants`*, *`Spartans`*, *`Main Street USA`*.

Field Name	Details
MinorityOwned	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Indicates whether an organization is owned or controlled by a member of a minority group.
Name	**Type** string **Properties** Filter, Nillable **Description** The primary or registered name of a company.
NationalId	**Type** string **Properties** Nillable **Description** The identification number used in some countries for business registration and tax collection.
NationalIdType	**Type** picklist **Properties** Nillable, Restricted picklist **Description** A code value that identifies the type of national identification number that's used.
OutOfBusiness	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Indicates whether the company at the specified address has discontinued operations.
OwnOrRent	**Type** picklist

Field Name	Details
	Properties Nillable, Restricted picklist **Description** Indicates whether a company owns or rents the building it occupies.
ParentOrHqBusinessName	**Type** string **Properties** Nillable **Description** The primary name of the parent or headquarters company.
ParentOrHqDunsNumber	**Type** string **Properties** Filter, Nillable **Description** The D-U-N-S number for the parent or headquarters.
Phone	**Type** phone **Properties** Nillable **Description** A company's primary telephone number.
PremisesMeasure	**Type** int **Properties** Group, Nillable **Description** A numeric value for the measurement of the premises.
PremisesMeasureReliability	**Type** string **Properties** Group, Nillable **Description** A descriptive accuracy of the measurement such as actual, estimated, or modeled.

Field Name	Details
PremisesMeasureUnit	**Type** string **Properties** Group, Nillable **Description** A descriptive measurement unit such as acres, square meters, or square feet.
PrimaryNaics	**Type** string **Properties** Nillable **Description** The six-digit North American Industry Classification System (NAICS) code is the standard used by business and government to classify business establishments according to their economic activity for the purpose of collecting, analyzing, and publishing statistical data related to the US business economy.
PrimaryNaicsDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on its NAICS code.
PrimarySic	**Type** string **Properties** Nillable **Description** The four-digit SIC code that's used to categorize business establishments by industry.
PrimarySic8	**Type** string **Properties** Group, Nillable **Description** The eight-digit Standard Industrial Classification (SIC) code is used to categorize business establishments by industry. The full list of values can be found at the Optimizer Resources page maintained by Dun & Bradstreet. Maximum size is 8 characters.

Field Name	Details
PrimarySic8Desc	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
PrimarySicDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization’s line of business, based on its SIC code.
PriorYearEmployees	**Type** int **Properties** Group, Nillable **Description** The total number of employees for the prior year.
PriorYearRevenue	**Type** double **Properties** Nillable **Description** The annual revenue for the prior year.
PublicIndicator	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Indicates whether ownership of the company is public or private.
Revenue	**Type** double **Properties** Nillable

Field Name	Details
	Description The annual revenue of a company in US dollars.
SalesTurnoverGrowthRate	**Type** double **Properties** Nillable **Description** The increase in annual revenue from the previous value for an equivalent period expressed as a decimal percentage.
SalesVolume	**Type** double **Properties** Nillable **Description** The total annual sales revenue in the headquarters' local currency. Dun & Bradstreet tracks revenue data for publicly traded companies, Global Ultimates, Domestic Ultimates, and some headquarters.
SalesVolumeReliability	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The reliability of the `SalesVolume` figure.
SecondNaics	**Type** string **Properties** Nillable **Description** A NAICS code used to further classify an organization by industry.
SecondNaicsDesc	**Type** string **Properties** Nillable

Field Name	Details
	Description A brief description of an organization’s line of business, based on the corresponding NAICS code.
SecondSic	**Type** string **Properties** Nillable **Description** A SIC code used to further classify an organization by industry.
SecondSic8	**Type** string **Properties** Group, Nillable **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
SecondSic8Desc	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
SecondSicDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code.
SixthNaics	**Type** string **Properties** Nillable **Description** A NAICS code used to further classify an organization by industry.

Field Name	Details
SixthNaicsDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code.
SixthSic	**Type** string **Properties** Nillable **Description** A SIC code used to further classify an organization by industry.
SixthSic8	**Type** string **Properties** Group, Nillable **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
SixthSic8Desc	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code. Maximum size is 80 characters.
SixthSicDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization’s line of business, based on the corresponding SIC code.
SmallBusiness	**Type** picklist

Field Name	Details
	Properties Nillable, Restricted picklist **Description** Indicates whether the company is designated a small business as defined by the Small Business Administration of the US government.
`State`	**Type** string **Properties** Nillable **Description** The state where a company is physically located.
`StockExchange`	**Type** string **Properties** Nillable **Description** The corresponding exchange for a company's stock symbol, for example, NASDAQ or NYSE.
`StockSymbol`	**Type** string **Properties** Nillable **Description** The abbreviation that's used to identify publicly traded shares of a particular stock.
`Street`	**Type** string **Properties** Nillable **Description** The street address where a company is physically located.
`Subsidiary`	**Type** picklist **Properties** Nillable, Restricted picklist

Field Name	Details
	Description Indicates whether a company is more than 50 percent owned by another organization.
ThirdNaics	**Type** string **Properties** Nillable **Description** A NAICS code used to further classify an organization by industry.
ThirdNaicsDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding NAICS code.
ThirdSic	**Type** string **Properties** Nillable **Description** A SIC code used to further classify an organization by industry.
ThirdSic8	**Type** string **Properties** Group, Nillable **Description** An additional SIC code used to further classify an organization by industry. Maximum size is 8 characters.
ThirdSic8Desc	**Type** string **Properties** Group, Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code. Maximum size is 80 characters.

Field Name	Details
ThirdSicDesc	**Type** string **Properties** Nillable **Description** A brief description of an organization's line of business, based on the corresponding SIC code.
TradeStyle1	**Type** string **Properties** Nillable **Description** A name, different from its legal name, that an organization may use for conducting business. Similar to "Doing business as" or "DBA".
TradeStyle2	**Type** string **Properties** Nillable **Description** A tradestyle used by the organization.
TradeStyle3	**Type** string **Properties** Nillable **Description** A tradestyle used by the organization.
TradeStyle4	**Type** string **Properties** Nillable **Description** A tradestyle used by the organization.
TradeStyle5	**Type** string

Field Name	Details
	Properties Nillable **Description** A tradestyle used by the organization.
UsTaxId	**Type** string **Properties** Nillable **Description** The identification number for the company used by the Internal Revenue Service (IRS) in the administration of tax laws. Also referred to as Federal Taxpayer Identification Number.
Website	**Type** url **Properties** Filter, Group, Nillable **Description** An organization's primary website address.
WomenOwned	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Indicates whether a company is more than 50 percent owned or controlled by a woman.
YearStarted	**Type** string **Properties** Nillable **Description** The year when the company was established or the year when current ownership or management assumed control of the company.
Zip	**Type** string

Field Name	Details
	Properties Nillable **Description** A five or nine-digit code that's used to help sort mail.

Usage

Use this object to return D&B Company information. These fields are read-only.

Important: DatacloudDandBCompany can't be used in Apex test methods, because an external web service call is required to access it. These calls are not allowed in Apex test methods.

DatacloudOwnedEntity

Represents fields in the DatacloudOwnedEntity object. The DatacloudOwnedEntity object tracks user-purchased records. This object is available in API version 30.0 or later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DataDotComKey`	**Type** string **Properties** Create, Filter, Sort **Description** The Data.com contact or company record identification number used by the DatacloudPurchaseUsage object to keep track of purchased records. This is equivalent to the Data.com record ID for a contact or company.
`DatacloudEntityType`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Sort **Description** The type of Data.com record you want to purchase.

Field Name	Details
	• 0—contact • 1—company
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An optional field used to name your record.
PurchaseType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** A read only field set by the API to identify the purchase type. • Added • Export • API
PurchaseUsageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The unique identification number for the DatacloudPurchaseUsage object created by making a REST POST request. • 0—contact • 1—company
UserId	**Type** reference **Properties** Filter, Group, Sort **Description** A unique identifier for the user making the purchase.

Usage

The Datacloud object that tracks records that are purchased and owned by a specific user.

DatacloudPurchaseUsage

Represents an object used to identify and track Data.com record purchases. This object is available in API version 30.0 or later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`DatacloudEntityType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of Data.com record you want to purchase. • 0—indicates contact entity type. • 1—indicates company entity type.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** An optional field. You can add a description for your purchase.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An optional field used to name your record.
`PurchaseType`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** A read only field set by the API to identify the purchase type. • Added • Export • API
`Usage`	**Type** double **Properties** Filter, Sort **Description** A read only field set by the API. It is used to track the points used to purchase records.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** A read only field set by the API that identifies the user purchasing the records.
`UserType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A read only field set by the API with 2 user types. • Monthly Usage • List Pool User

Usage

The DatacloudPurchaseUsage object allows you to track Data.com record purchases for CRM users.

DatacloudSocialHandle

Returns normalized URLs with userids for different social media used by Data.com contacts. The DatacloudSocialHandle object is a child object of the DatacloudContact object.This object is available in API version 30.0 or later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`DatacloudContactId`	**Type** string **Properties** Filter, Nillable, Sort **Description** The unique numeric identifier for a Data.com contact record.
`ProviderName`	**Type** string **Properties** Filter, Nillable, Sort **Description** The name of the social media provider.
`SocialId`	**Type** string **Properties** Filter, Nillable, Sort **Description** The normalized userid for the user on this social media.
`Url`	**Type** url **Properties** Filter, Nillable, Sort **Description** A normalized URL and userid for the website of the social media provider.

Usage

Returns social handles with Data.com contacts from the DatacloudContact object. Social handle fields are read only fields and can't be used to filter results.

DataIntegrationRecordPurchasePermission

Indicates Lightning Data purchase credits that a Salesforce admin has granted to users.

This object is available in API versions 42.0 and later.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`ExternalObject`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the name of the data service record matched to the Salesforce record.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Indicates the ID of a user to whom purchase credits are assigned.
`UserRecordPurchaseLimit`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Represents the number of purchase credits assigned to a user.

DatasetExport

Represents a dataset exported from Einstein Analytics. When a dataset is exported, the data is converted into a .csv file and the schema is stored in a separate JSON file. These files are stored in two objects: DatasetExport and DatasetExportPart. DatasetExport acts as the header and includes the JSON schema.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CompressedMetadataLength`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** This field is required when a record in an object contains a BLOB (binary large object) field. In the DataExport object, Metadata is the BLOB field.
`Metadata`	**Type** base64 **Properties** Nillable **Description** Contains the JSON schema that describes the data in the CSV. This schema includes column metadata such as type, format, and defaultValue.
`MetadataLength`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** This field is required when a record in an object contains a BLOB (binary large object) field. In the DataExport object, Metadata is the BLOB field.
`Owner`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description User ID of the owner, as specified in the `userId` parameter in the export node of the dataflow that created the record. Only the specified owner can read the content of the record.
`PublisherInfo`	**Type** string **Properties** Filter, idLookup, Sort **Description** Identifies the export record to facilitate searching when a user has multiple export records. By default, this column is set to the ID of the dataflow that generated the export record, concatenated with the name of the specific export node. PublisherInfo is unique within your organization. Note: A dataflow can have multiple export nodes.
`PublisherType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Target of the export, as specified in the `target` parameter in the export node of the dataflow that created the record. The value must be *`EinsteinDiscovery`*.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Status of the export. The possible values are: • New • InProgress • Completed • Canceled • Failed Note: The content of the Metadata field can be downloaded when the status is Completed.

Usage

This object is used with the DatasetExportPart object for exporting data from a dataset in Einstein Analytics for use in Einstein Discovery. An export is initiated using the export node in an Analytics dataflow.

SEE ALSO:

DatasetExportPart

DatasetExportPart

Represents a dataset exported from Einstein Analytics. When a dataset is exported, the data is converted into a .csv file and the schema is stored in a separate JSON file. These files are stored in two objects: DatasetExport and DatasetExportPart. DatasetExportPart contains parts of the .csv file.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CompressedDataFileLength`	**Type** int **Properties** Filter, Group, Sort **Description** This field is required when a record in an object contains a BLOB (binary large object) field. In the DataExportPart object, DataFile is the BLOB field.
`DataFile`	**Type** base64 **Description** Contains a part of the dataset data from the generated .csv file. Maximum size is 32 MB.
`DataFileLength`	**Type** int **Properties** Filter, Group, Sort **Description** This field is required when a record in an object contains a BLOB (binary large object) field. In the DataExportPart object, DataFile is the BLOB field.

Field	Details
DatasetExportId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the parent record that the part record is associated with.
Owner	**Type** string **Properties** Filter, Group, Sort **Description** User ID of the owner, as specified in the `userId` parameter in the export node of the dataflow that created the record. Only the specified owner can read the content of the record.
PartNumber	**Type** int **Properties** Filter, Group, Sort **Description** Used with the DatasetExportId to uniquely identify the data part. Parts are assembled sequentially based on their numbers.

Usage

This object is used with the DatasetExport object for exporting data from a dataset in Einstein Analytics for use in Einstein Discovery. An export is initiated using the export node in an Analytics dataflow.

SEE ALSO:

DatasetExport

DatedConversionRate

Represents the dated exchange rates used by an organization for which the multicurrency and the effective dated currency features are enabled.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`,

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
ConversionRate	**Type** double **Properties** Filter, Update **Description** Required. Conversion rate of this currency type against the corporate currency.
IsoCode	**Type** picklist **Properties** Filter, Restricted picklist **Description** Required. ISO code of the currency. Must be one of the valid alphabetic, three-letter currency ISO codes defined by the ISO 4217 standard, such as USD, GBP, or JPY. Must be unique within your organization. Label is **Currency ISO Code**.
NextStartDate	**Type** date **Properties** Filter, Nillable **Description** Read only. The date on which the next effective dated exchange rate will start. Effectively the day after the end date for this exchange rate.
StartDate	**Type** date **Properties** Filter **Description** The date on which the effective dated exchange rate starts.

Usage

This object is for multicurrency organizations with advanced currency management enabled. Use this object to define the exchange rates your organization uses for a date range. This object is not available in single-currency organizations, nor is it available if the organization does not have advanced currency management enabled.

DcSocialProfile

The `DcSocialProfile` object is a read-only object accessible only through the Data.com Social Key API. This object is available in API version 32.0 or later.

Supported Calls

`describeSObjects()`, `query()`

Special Access Rules

This is a read-only object that is accessed by only the Data.com Social Key API

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Fields

Field Name	Details
`City`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the city where the company is located.
`CompanyName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the company at which the contact works.
`ContactId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The unique numerical identifier for a contact.
`Country`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** A string that represents the standard abbreviation for the country where the contact works.
`Email`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** An email address for this contact.
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The first name of a contact.
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The last name of a contact.
`State`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The two-letter standard abbreviation for a state.

Usage

Provides social handle information to the Data.com Social Key API.

DcSocialProfileHandle

The `DcSocialProfileHandle` object. a child object to `DcSocialProfile`, is a read-only object accessible only through the Data.com Social Key API. The `DcSocialProfileHandle` object is a child object of the `DcSocialProfile` object.This object is available in API version 32.0 or later.

Supported Calls

`describeSObjects()`, `query()`

Special Access Rules

This is a read-only object that is accessed by only the Data.com Social Key API

Fields

Field Name	Details
`DcSocialProfileId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A unique identifier for a contacts social handles.
`Handle`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A normalized social handle for a contact.
`ProviderName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the social media provider.

Usage

Provides social handle information to the Data.com Social Key API.

DeclinedEventRelation

Represents invitees with the status `Declined` for a given event. This object is available in API versions 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`EventId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the event.
`RelationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the invitee.
`RespondedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the most recent date and time when the invitee declined an invitation to the event.
`Response`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates the content of the response field. Label is `Comment`.
`Type`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Indicates whether the invitee is a user, lead or contact, or resource.

Usage

Query invitees who have declined an invitation to an event

```
SELECT eventId, type, response FROM DeclinedEventRelation WHERE eventid='00UTD000000ZH5LA'
```

SEE ALSO:

AcceptedEventRelation

UndecidedEventRelation

DigitalSignature

Represents a signature captured on a service report in field service.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`DigitalSignatureNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the signature.
`DocumentBody`	**Type** base64

Field Name	Details
	Properties Create **Description** The captured signature image.
DocumentContentType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The data type of the captured signature.
DocumentLength	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The length of the captured signature.
DocumentName	**Type** string **Properties** Create, Filter, Group, Sort **Description** The name of the captured signature image.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the service appointment, work order, or work order line item that the service report is generated for.
Place	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The place where the report was signed.

Field Name	Details
SignatureType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort **Description** The role of the person signing the service report. Your org comes with one signature type, `Default`. A service report template can only contain one signature per type. If you plan to collect multiple signatures on service reports, create additional values for the Signature Type field. Create at least one value for every role that might need to sign a service report. For example, `Technician`, `Customer`, `Supervisor`, or `Supplier`. If some service reports will be signed by multiple people in one role—for example, all technicians present at an appointment—create numbered types: `Technician 1`, `Technician 2`, and so forth. Note: You can create up to 1,000 signature types. You can't delete signature types, but you can deactivate them so they can't be used in service report templates. When you deactivate a type, it still appears on service report templates that used it, but you can't use it on new service report templates.
SignedBy	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The name of the person signing.
SignedDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort **Description** The date and time of the signing.

Usage

Add signature blocks to service report templates to determine which signatures need to be gathered on reports that use the template. Service report templates can contain up to 20 signatures, and each signature must use a different Signature Type. For example, create a standard service report template that contains a customer signature and a technician signature.

To learn more about digital signatures, see Guidelines for Using Signatures on Service Reports.

Division

A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as "North America," "Healthcare," or "Consulting." Available only if the organization has the Division permission enabled.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Divisions must be enabled for your organization to access this object. To discover whether divisions have been enabled for an organization, inspect the User or Group object for the `DefaultDivision` field—if it is present, then divisions have been enabled, and this field (the field is named Division in objects other than User and Group) will be available in all relevant objects.
- Customer Portal users can't access this object.

Fields

Field	Details
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the division is active (`true`) or not (`false`). Label is **Active**.
`IsGlobalDivision`	**Type** boolean **Properties** Defaulted on createFilter **Description** Indicates whether the division is your organization's global default division (`true`) or not (`false`). Label is **Global Division**.
`Name`	**Type** string **Properties** Create, Filter, Update **Description** A descriptive name for the division. Limit: 80 characters.

Field	Details
SortOrder	**Type** int **Properties** Create, Filter, Nillable, Update **Description** The order in which this division name appears in the Division picklist field when creating or editing users in the Salesforce user interface.

Usage

The values available for that field are the global division ID for the organization, created when divisions are first enabled, and any other division IDs that have been created. The division ID associated with a user is populated in the objects owned or created by the user.

You can use the division ID to make searches, reports, and list views run more quickly and return more relevant results if an organization has very large data sets. For more information, see the Salesforce online help, in the Fields description for the object.

You can use WITH in SOSL to pre-filter results based on division. This is faster than specifying the division in a WHERE clause.

Note: The User object has a `Division` field that is unrelated to this object. The `Division` field is a standard text field similar to Company or Department that has no special properties. Do not confuse it with the `DefaultDivision` field, which does relate to this object.

SEE ALSO:

Object Basics

DivisionLocalization

When the Translation Workbench is enabled for your organization, the DivisionLocalization object provides the translation of the label for a division.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Your organization must be using Professional, Enterprise, Developer, Unlimited, or Performance Edition and be enabled for the Translation Workbench.
- To view this object, you must have the “View Setup and Configuration” permission.

Fields

Field	Details
`Language`	**Type** string **Properties** Create, Filter, Nillable, Restricted picklist **Description** The language for this translated label.
`NamespacePrefix`	**Type** string **Properties** Filter, Nillable **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Nillable **Description** The ID of the Division associated with the label that is being translated.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The actual translated label for the division. Label is **Translation**.

Usage

Use this object to translate the labels of your divisions into the different languages supported by Salesforce.

Document

Represents a file that a user has uploaded. Unlike Attachment records, documents are not attached to a parent object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

You must have the "Edit" permission on documents and the appropriate access to the Folder that contains a document in order to create or update a document in that Folder.

Fields

Field	Details
`AuthorId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the User who is responsible for the Document.
`Body`	**Type** base64 **Properties** Create, Nillable, Update **Description** Required. Encoded file data. If specified, then do not specify a URL.
`BodyLength`	**Type** int **Properties** Filter, Group, Sort **Description** Size of the file (in bytes).

Field	Details
`ContentType`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Type of content. Label is **Mime Type**. Limit: 120 characters. If the `Don't allow HTML uploads as attachments or document records` security setting is enabled for your organization, you cannot upload files with the following file extensions: `.htm`, `.html`, `.htt`, `.htx`, `.mhtm`, `.mhtml`, `.shtm`, `.shtml`, `.acgi`, `.svg`.
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the Document. Limit: 255 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object’s name in a managed package and the changes are reflected in a subscriber’s organization. Label is **Document Unique Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`FolderId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the Folder that contains the document.
`IsBodySearchable`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether the contents of the object can be searched using a SOSL `FIND` call. The `ALL FIELDS` search group includes the content as a searchable field.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsInternalUseOnly`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the object is only available for internal use (`true`) or not (`false`). Label is **Internal Use Only**.
`IsPublic`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the object is available for external use (`true`) or not (`false`). Label is **Externally Available**.
`Keywords`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Keywords. Limit: 255 characters.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update

Field	Details
	Description The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the document. Label is **Document Name**.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Sort, Nillable **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Type`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description File type of the Document. In general, the values match the file extension for the type of Document (such as pdf or jpg). Label is **File Extension**.
`Url`	**Type** string **Properties** Create, Filter, Nillable, Group, Sort, Update **Description** URL reference to the file (instead of storing it in the database). If specified, do not specify the `Body` or `BodyLength`.

Usage

When creating or updating a document, you can specify a value in either the `Body` or `Url` fields, but not both.

Encoded Data

The API sends and receives the binary file data encoded as a base64 data type. Prior to creating a record, clients must encode the binary file data as base64. Upon receiving an API response, clients must decode the base64 data to binary (this conversion is usually handled for you by the SOAP client).

Maximum Document Size

You can only create or update documents to a maximum size of 5 MB.

SEE ALSO:

Object Basics

DocumentAttachmentMap

Maps the relationship between an EmailTemplate and its attachment, which is stored as a Document.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`DocumentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the document that this object tracks.
`DocumentSequence`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Represents the order that the attachments will be included in the email defined by the EmailTemplate specified by the `DocumentId`. Label is **Attachment Sequence**. The first attachment is given a value of 0, and each subsequent attachment is given a value incremented by 1.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the EmailTemplate parent. The attachment identified by `DocumentId` is attached to the EmailTemplate specified in this field.

Usage

Use this object to map the relationship of an EmailTemplate to its attachments, and to specify the order of the attachments.

SEE ALSO:

EmailTemplate

DocumentTag

Associates a word or short phrase with a Document.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

DocumentTag stores the relationship between its parent TagDefinition and the Document being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

Domain

Read-only object that represents a custom Web address assigned to a site in your organization. This object is available in API version 26.0 and later.

To access this object, Salesforce Sites, Sites, or Site.com must be enabled for your organization.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Customer Portal users can't access this object.
- To view this object, you must have the "View Setup and Configuration" permission.
- Site.com Publisher users have read-only API access to the Domain and DomainSite objects.

Fields

Field	Description
`CnameTarget`	**Type** string **Properties** Filter, Nillable, Sort **Description** The canonical name (CNAME) of the external host or server. If you use a custom domain with a non-Salesforce provider, such as your own external server or CDN provider, to serve your domain, this field points to the CNAME of the external provider. This field is available in API version 43.0 and later.
`Domain`	**Type** string **Properties** Filter, Sort **Description** The branded custom Web address within the global namespace identified by this domain's type. In the Domain Name System (DNS) global namespace, this field is the custom Web address that you registered with a third-party domain name registrar. The custom Web address can be used to access the site of this domain.

Field	Description
`DomainType`	**Type** picklist **Properties** Filter, Group, Sort **Description** The global namespace that this custom Web address belongs to. This value is set to DNS for custom Web addresses in the global DNS. DomainType can have the following values: • Domain Name System (DNS) • Facebook Page
`OptionsExternalHttps`	**Type** boolean **Properties** Filter **Description** Indicates whether the domain supports secure connections (true) or not (false) via a non-Salesforce content delivery network (CDN) or endpoint. The value of this field is used only if the domain is not pointing to the `*yourdomain*.*your18characterOrgId*.live.siteforce.com` CNAME target.

Usage

Use this read-only object to query the domains that are associated with each website in your organization.

DomainSite

Read-only junction object that joins together the Site and Domain objects. This object is available in API version 26.0 and later.

To access this object, Salesforce Sites or Site.com must be enabled for your organization.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Customer Portal users can't access this object.
- To view this object, you must have the "View Setup and Configuration" permission.
- Site.com Publisher users have read-only API access to the Domain and DomainSite objects.

Fields

Field	Description
DomainId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the associated Domain.
PathPrefix	**Type** string **Properties** Filter, Group, Sort **Description** Shows where a site's root exists on a domain. Can only be set for custom Web addresses. Always begins with a `/`.
SiteId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the associated Site.

Usage

Use this read-only object to query or retrieve information about your Lightning Platform site.

DuplicateJob

Represents an instance of a job that identifies duplicates among existing records in the system.

This object is available in API versions 42.0 and later.

A duplicate job is the parent of the DuplicateRecordSet instances that it generates. The duplicate record items in a set generated by a duplicate job are of one object type.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
DuplicateJobDefinitionId	**Type** reference **Properties** Filter, Group, Sort, Update **Description** The ID of the corresponding duplicate job definition.
DuplicateJobStatus	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The current status of a duplicate job. Valid values are `Not Started`, `In Progress`, `Completed`, `Canceled`, `Failed`, `Results Deleted`.
EndDateTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when a duplicate job was completed.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when a duplicate job was last referenced.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when a duplicate job was last viewed.
Name	**Type** string **Properties** Filter, Group, idLookup, Sort, Update

Field Name	Details
	Description The name of a duplicate job.
NumDuplicateRecordItems	**Type** int **Properties** Filter, Group, Sort **Description** The total number of duplicate records identified as a result of invoking a duplicate job.
NumDuplicateRecordSets	**Type** int **Properties** Filter, Group, Sort **Description** The number of duplicate record sets identified as a result of invoking a duplicate job.
NumRecordsScanned	**Type** int **Properties** Filter, Group, Sort **Description** The number of records scanned as a result of invoking a duplicate job.
ResultListViewId	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** List view metadata for displaying the duplicate record sets identified as result of invoking a duplicate job.
StartDateTime	**Type** dateTime **Properties** Filter, Sort **Description** The date and time when a duplicate job was invoked.

DuplicateJobDefinition

Setup object defining a job that identifies duplicate record items globally.

This object is available in API versions 42.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the user who created a duplicate job.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language in the user's personal settings.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The label of the duplicate job.
`SobjectSubtype`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The object subtype. Valid values are `Person Account` or `None`.
`SobjectType`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The object type: account, contact, or lead.

DuplicateJobMatchingRule

Represents a MatchingRule to be used with a DuplicateJob sharing the corresponding DuplicateJobMatchingRuleDefinition.

This object is available in API versions 42.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DuplicateJobId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the corresponding DuplicateJob.
`DuplicateJobMatchRuleDefId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the matching rule defined for the corresponding DuplicateJobMatchingRuleDefinition.
`MatchingRuleBooleanFilter`	**Type** textarea **Properties** Filter, Sort **Description** Boolean logic of the MatchingRule for this DuplicateJobMatchingRule.

Field Name	Details
MatchingRuleDescription	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** Description of the matching rule for this DuplicateJobMatchingRule.
MatchingRuleName	**Type** string **Properties** Filter, Group, Sort **Description** The name of the matching rule defined for this particular DuplicateJob invocation.

DuplicateJobMatchingRuleDefinition

Setup object specifying a MatchingRule to use with DuplicateJob instances that share a DuplicateJobDefinition.

This object is available in API versions 42.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `search()`

Fields

Field Name	Details
DuplicateJobDefinitionId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of DuplicateJobDefinition (master) for this DuplicateJobMatchingRuleDefinition (detail).
MatchingRuleId	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description ID of the MatchingRule to be used with this DuplicateJobMatchingRuleDefinition.

DuplicateRecordItem

Represents an individual record that's part of a duplicate record set. Use this object to create custom report types.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

To access this object, enable Duplicate Management. A Salesforce admin can grant access to any user with a Sales Cloud or CRM user license.

Fields

Field Name	Details
`DuplicateRecordSetId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The duplicate record set that the duplicate record item is assigned to.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The autogenerated name that's given to the Duplicate Record Item. Label is `Duplicate Record Item Name`.
`RecordId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The name of the record as it appears on the record's detail page.

DuplicateRecordSet

Represents a group of records that have been identified as duplicates. Each duplicate record set contains one or more duplicate record items. Use this object to create custom report types and view the results of duplicate jobs.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

To access this object, enable Duplicate Management. Users must be given read and write access by a Salesforce admin.

Fields

Field Name	Details
`DuplicateRuleId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The duplicate rule used to identify this list of duplicate records. **Label** Duplicate Rule ID
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The autogenerated name that's given to the duplicate record set. Label is `Duplicate Record Set Name`.
`RecordCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of record items in the set.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The `ParentId` represents the parent of a duplicate rule or duplicate job. A `ParentId` is polymorphic. The label is Parent.This field is available in API versions 42.0 and later.
`SobjectType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The object that the duplicate rule and all the record items in the set apply to.

DuplicateRule

Represents a duplicate rule for detecting duplicate records.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The developer name for the duplicate rule.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a duplicate rule is active (`true`) or not (`false`). This field is read only.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language for the duplicate rule.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The label for the duplicate rule.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix.

Field Name	Details
	Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`SobjectType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of object the duplicate rule is defined for. For example, account, contact, or lead.

Usage

DuplicateRule is available to organizations that use duplicate rules.

You can only view details of a duplicate rule using the API. You must use the full Salesforce site to create, edit, and delete duplicate rules.

EmailDomainFilter

Represents a filter that determines whether an email relay is restricted to a specific list of domains. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

You must have the "Email Administration," "Customize Application," and "View Setup" user permissions to use this object.

The multiple email relay setting in Setup must be enabled before you can use this API. From Setup, enter *Email Relay Activation*, select **Email Relay Activation**, and then select **Try it now!** .

Fields

Field Name	Details
EmailRelayId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the EmailRelay record.
FromDomain	**Type** textarea **Properties** Create, Nillable, Update **Description** Restricts the email relay to send emails based on the sender domains (FromDomain) listed in this field. This field is optional, accepts a list of comma-separated values, and supports the wildcard character.
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the email domain filter is active (true) or not (false). Use this field to enable or disable the email domain filter.
PriorityNumber	**Type** int **Properties** Create, Filter, Group, idLookup, Nillable, Sort, Update **Description** Indicates the order in which the email domain filter is processed. Filters are evaluated in ascending order. The priority number must be unique. If this field is left blank, it is assigned the next available number and is processed last.
ToDomain	**Type** textarea **Properties** Create, Nillable, Update

Field Name	Details
	Description Restricts the email relay to send emails based on the recipient domains (ToDomain) listed in this field. This field is optional, accepts a list of comma-separated values, and supports the wildcard character.

Usage

Tip: Keep in mind that if you also plan to activate Bounce Management and Email Compliance Management, confirm with your email admin that your company allows relaying email sent from Salesforce. For more information on bounce management, see Configure Deliverability Settings for Emails Sent from Salesforce.

EmailDomainKey

Represents a domain key for an organization's domain, used to authenticate outbound email that Salesforce sends on the organization's behalf. This object is available in API version 28.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`Domain`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The organization's domain name that the DKIM key is generated for.
`DomainMatch`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The specificity of match required on the sending domain name before signing with this DKIM key. Valid values are: • `DomainOnly`—Sign if sending domain matches at the domain level only (example.com but not mail.example.com)

Field Name	Details
	• `SubdomainsOnly`—Sign if sending domain matches at the subdomain level only (mail.example.com but not example.com) • `DomainAndSubdomains`—Sign if sending domain matches at the domain and subdomain levels (example.com and mail.example.com)
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this DKIM key is active (`true`) or not (`false`). You can set `IsActive` to `true` on create if you specify an existing key pair.
`PrivateKey`	**Type** textarea **Properties** Create, Nillable, Update **Description** The private portion of the DKIM key pair used to encrypt mail headers from your domain. Salesforce generates an encrypted `PrivateKey` if you don't specify a value when creating the DKIM key. If you do specify a value, it must be an existing valid `PrivateKey` from another EmailDomainKey object. This field doesn't contain the actual private key, but a value that represents the key in our system. Therefore: • The actual private key can't be leaked. • You can't use the value to do your own email signing.
`PublicKey`	**Type** textarea **Properties** Create, Nillable, Update **Description** Part of the domain key pair that mail recipients retrieve to decrypt the DKIM header and verify your domain. Add the `PublicKey` value to your domain's DNS records before you start signing with this domain key. Otherwise, mail recipients may reject your email.
`Selector`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description Text used to distinguish the DKIM key from any other DKIM keys your organization uses for the specified domain.

Usage

Use this object to define a DomainKeys Identified Mail (DKIM) key, which is used to authenticate outbound email that Salesforce sends on your organization's behalf. When you create a DKIM key, Salesforce generates a public and private key pair. You must publish the public key in the DNS, which tells recipients that you, as the owner of the domain, have authorized the use of this key to sign your mail. Salesforce uses the private key to create DKIM signature headers on your outgoing email. Then, recipients of the mail, can compare the signature header with the public key in the DNS to determine that the mail was signed with an authorized key. If your domain also publishes a Domain-based Message Authentication, Reporting and Conformance (DMARC) policy, recipients can use the DKIM signature to verify that the mail conforms to DMARC.

For each domain key you create, we recommend this sequence:

1. Insert the `Domain`, `DomainMatch`, and `Selector`.
2. Update your domain's DNS records.
   a. Locate the DNS record at ***`selector`***`._domainkey.`***`domain`***. For example, `mail._domainkey.mail.example.com`.
   b. Add the `PublicKey` value, like this: `V=DKIM1; p=`***`public_key`***.

   DKIM Signing Outbound Email

   a. In addition, you can optionally put the record in testing mode, which instructs recipients to not make decisions based on the email signature. Add parameter `t=y` to the DNS entry, like this: `V=DKIM1; t=y; p=`***`public_key`***.
3. Update the key via the API or UI to be active.

Consider the following when using domain keys.

- Make sure you add the public key to your DNS record before you make your key active in Salesforce and start DKIM signing. DKIM signing is active whenever your DKIM key is in the active state.
- You can't have more than one active DKIM key per domain name. You might have multiple active DKIM keys if your organization mails from more than a single domain or if you use subdomains under your organizational domain and have specified domain matching at the subdomain level.
- If you want to use the same DKIM key for multiple organizations, you can. Create the key and ensure it's working for one organization first. Then using the API or UI create the key in your other organizations by setting the corresponding fields in the new key to the same values as the original.
- When you insert or update a DKIM key, it's possible that the change affects existing domain keys. For example, if you've set `DomainMatch` to `DomainAndSubdomains` for the example.com domain, and you then set `DomainMatch` to `SubdomainsOnly` for the mail.example.com domain, either key could be used. Here's how we resolve conflicts in the case when DKIM keys overlap.
  - If two keys are equally specific about matching for the same domain, the new key replaces and deactivates the existing key.
  - If a new key is more specific about matching than an existing key, the new key is used and the existing key is modified to inactive.
  - If multiple keys have different domains that match the sending domain, the key with the longest domain name is used. In case of a tie, the most specific key is used. For example, because `DomainOnly` and `SubdomainsOnly` are more specific than

DomainAndSubdomains, a new DomainOnly key would change the DomainMatch for an existing DomainAndSubdomains key to become SubdomainsOnly. In case of a tie, the most specific key is used.

EmailMessage

Represents an email in Salesforce.

Supported Calls

create(), delete(), describeLayout(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve(), undelete(), update(), upsert()

Special Access Rules

EmailMessage is only available for organizations that use Email-to-Case or Enhanced Email, which is automatically enabled for most customers.

To use reply and forward functionality, FromAddress must specify an email address that exists in EmailMessageRelation, with a RelationType of FromAddress.

Customer Portal users have read access to EmailMessage if the value for the ParentID field is associated with a case. Otherwise, access is determined by sharing access of the associated task.

update() is supported only on records whose Status is Draft, and IsPrivateDraft is false. Or, if Status and IsPrivateDraft is *true* and CreatedBy is associated with the current use. When a record's is not Draft, update() is supported only for the IsExternallyVisible field and custom fields.. When a record's Status is *not* Draft, update() is supported only for the IsExternallyVisible field and custom fields.

Fields

Field	Details
ActivityId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the activity that is associated with the email. Usually represents an open task that is created for the case owner when a new unread email message is received. ActivityId can only be specified for emails on cases. It's auto-created for other entities.
BccAddress	**Type** string **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description A string array of email addresses for recipients who were sent a blind carbon copy of the email message. Include only email addresses that are not associated with Contact, Lead, or User records in Salesforce. If the recipient is a contact, lead, or user, add their ID to the `BccIds` field instead of adding their email address to the `BccAddress` field. Then the email message is automatically associated with the contact, lead, or user.
`BccIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of IDs for contacts, leads, and users who were sent a blind carbon copy of the email message. Each ID is linked to an `EmailMessageRelation` record, which represents the relationship between an email message and a Contact, Lead, or User record. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`CcAddress`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** A string array of email addresses for recipients who were sent a carbon copy of the email message. Include only email addresses that are not associated with Contact, Lead, or User records in Salesforce. If the recipient is a contact, lead, or user, add their ID to the `CcIds` field instead of adding their email address to the `CcAddress` field. Then the email message is automatically associated with the contact, lead, or user.
`CcIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of IDs for contacts, leads, and users who were sent a carbon copy of the email message. Each ID is linked to an `EmailMessageRelation` record, which represents the relationship between an email message and a Contact, Lead, or User record.

Field	Details
	Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`ContentDocumentIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of IDs for content documents, such as files and attachments, that are associated with an email. Each ID is linked to a `ContentDocumentLink` record, which represents the relationship between an email message and a content document record. **Warning:** Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`FromAddress`	**Type** email **Properties** Create, Filter, Nillable, Update **Description** The address that originated the email. When using this field, specify an email address that exists in EmailMessageRelation, with a `RelationType` of `FromAddress`.
`FromName`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The sender's name. When using this field, specify an email address that exists in EmailMessageRelation, with a `RelationType` of `FromAddress`.
`HasAttachment`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the email was sent with an attachment (`true`) or not (`false`).
`Headers`	**Type** textarea

Field	Details
	Properties Create, Nillable, Update **Description** The Internet message headers of the incoming email. Used for debugging and tracing purposes. Does not apply to outgoing emails.
`HtmlBody`	**Type** textarea **Properties** Create, Nillable, Update **Description** The body of the email in HTML format.
`Incoming`	**Type** boolean **Properties** Create, Defaulted on create, Filter **Description** Indicates whether the email was received (`true`) or sent (`false`).
`IsClientManaged`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group **Description** If EmailMessage is created with `IsClientManaged` set to true, users can modify `EmailMessage.ContentDocumentIds` to link file attachments even when the `Status` of the EmailMessage is not set to `Draft`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsExternallyVisible`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Update

Field	Details
	Description If the community case feed is enabled, `IsExternallyVisible` controls the external visibility of emails in communities. When `IsExternallyVisible` is set to `true`—its default value—email messages are visible to external users in the case feed. Only emails with the `ParentId` field populated are available to be externally visible in communities. This field can't be updated if the email's `Status` is set to `Draft`.
`IsPrivateDraft`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** If `IsPrivateDraft` is set to `true`, then only the `CreatedById` user can view, update, and send this email draft. If `IsPrivateDraft` is set to `false`, then any user with permissions to work on the case can see these drafts. Once the email is sent (Email Status = Draft), then this field is updated to be `false`. Public drafts are loaded and visible in Salesforce Classic while Private Drafts are only used in Lightning Experience.
`MessageDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Update **Description** The date the email was created.
`MessageIdentifier`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the email message.
`ParentId`	**Type** ID **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the case that's associated with the email.

Field	Details
RelatedToId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The RelatedToId represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. RelatedToIds are polymorphic. Polymorphic means a RelatedToId is equivalent to the ID of a related object.
ReplyToEmailMessageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the inbound or outbound EmailMessage the current EmailMessage is a reply to. It's not possible to reply to a message whose Status is Draft.
Status	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Read only. The status of the email. For example, New, Read, Replied, Sent, Forwarded, or Draft.
Subject	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The subject line of the email.
ThreadIdentifier	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the email thread the email message belongs to.
TextBody	**Type** textarea

Field	Details
	Properties Create, Nillable, Update **Description** The body of the email, in plain text format. If `TextBody` is not set, then it is extracted from `HtmlBody`.
`ToAddress`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** A string array of email addresses for recipients who were sent the email message. Include only email addresses that are not associated with Contact, Lead, or User records in Salesforce. If the recipient is a contact, lead, or user, add their ID to the `ToIds` field instead of adding their email address to the `ToAddress` field. Then the email message is automatically associated with the contact, lead, or user.
`ToIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of IDs for contacts, leads, and users who were sent the email message. Each ID is linked to an `EmailMessageRelation` record, which represents the relationship between an email message and a Contact, Lead, or User record. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`ValidatedFromAddress`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** A picklist value with either the sender's address, validated org-wide email addresses that originated the email, or Email-to-Case Routing Address.

Usage

If your organization uses Email-to-Case, a case is created when an email is sent to one of your company's addresses. The email, which is related to the case by the `ParentID` field, is stored as an EmailMessage record. When users view the email, they see the EmailMessage record.

If your organization uses Enhanced Email, each email is stored as an EmailMessage record and a Task record. When users view an email, they see the EmailMessage record.

Sample Code—Apex

This sample logs email activity in Salesforce.

```
// if EnhancedEmail Perm is not enabled, continue logging the email as a task

// if EnhancedEmail Perm is enabled, create an EmailMessage object
EmailMessage emailMessage = new EmailMessage();
emailMessage.status = '3'; // email was sent
emailMessage.relatedToId = '006B0000003weZGIAY'; // related to record e.g. an opportunity
emailMessage.fromAddress = 'sender@example.com'; // from address
emailMessage.fromName = 'Dan Perkins'; // from name
emailMessage.subject = 'This is the Subject!'; // email subject
emailMessage.htmlBody = '<html><body><b>Hello</b></body></html>'; // email body
// Contact, Lead or User Ids of recipients
String[] toIds = new String[]{'003B000000AxcEjIAJ'};
emailMessage.toIds = toIds;
// additional recipients who don’t have a corresponding contact, lead or user id in the
Salesforce org (optional)
emailMessage.toAddress = 'emailnotinsalesforce@toexample.com, anotherone@toexample.com';
insert emailMessage; // insert

// Add Email Message Relation for id of the sender
EmailMessageRelation emr = new EmailMessageRelation();
emr.emailMessageId = emailMessage.id;
emr.relationId = '005B0000003qHvOIAU'; // user id of the sender
emr.relationType = 'FromAddress';
insert emr;
```

SEE ALSO:

Case

Object Basics

EmailMessageRelation

Represents the relationship between an email and contacts, leads, and users. This object is available in API version 37.0 and later

Special Access Rules

EmailMessageRelation is only available for organizations that use Email-to-Case or Enhanced Email, which is automatically enabled for most customers.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`EmailMessageId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the `EmailMessage` record.
`RelationAddress`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The email address of the sender or recipient. Note: If a record relates an email to an existing contact, lead, or user record in Salesforce, the value of `RelationAddress` is null.
`RelationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The `RecordId` of the sender or recipient. Note: If a record relates an email to an email address that's not associated with an existing contact, lead, or user record in Salesforce, the value of `RelationId` is null.
`RelationObjectType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The API name of the object type of the `RecordId` in the `RelationId` field. It can be a contact, lead, or user.
`RelationType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description The type of relationship the contact, lead, or user has with the email message. Possible values include: • `ToAddress` • `CcAddress` • `BccAddress` • `FromAddress`

Usage

EmailMessageRelation allows an email to be related to contacts, leads, and users.

EmailRelay

Represents the configuration for sending an email relay. An email relay routes email sent from Salesforce through your company's email servers. This object is available in API version 43.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

You must have the "Email Administration," "Customize Application," and "View Setup" user permissions to use this object.

The multiple email relay setting in Setup must be enabled, before you can use this API. From Setup, enter *`Email Relay Activation`*, select **Email Relay Activation**, and then select **Try it now!** .

Fields

Field Name	Details
`Host`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Indicates the host name or IP address of your company's SMTP server.
`Port`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates the port number of your company's SMTP server. • 25 • 587 • 10025 • 11025
`TlsSetting`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Specifies whether Salesforce uses TLS for SMTP sessions. • `Off`: TLS is turned off. SMTP session continues through an insecure connection. • `Preferred`: If the remote server supports TLS, Salesforce upgrades the current SMTP session to use TLS. If TLS is unavailable, Salesforce continues the session without TLS. • `Required`: Salesforce continues the session only if the remote server supports TLS. If TLS is unavailable, Salesforce terminates the session without delivering the email. • `PreferredVerify`: If the remote server supports TLS, Salesforce upgrades the current SMTP session to use TLS. Before the session begins, Salesforce verifies that the certificate is signed by a valid certificate authority, and that the common name presented in the certificate matches the domain or mail exchange of the current connection. If TLS is available but the certificate is not signed or the common name does not match, Salesforce disconnects the session and does not deliver the email. If TLS is unavailable, Salesforce continues the session without TLS. • `RequiredVerify`: Salesforce continues the session only if the remote server supports TLS, the certificate is signed by a valid certificate authority, and the common name presented in the certificate matches the domain or mail exchange to which Salesforce is connected. If any of these criteria are not met, Salesforce terminates the session without delivering the email.

Usage

An email relay must be associated with an active EmailDomainFilter to take effect.

Tip: Keep in mind that if you also plan to activate Bounce Management and Email Compliance Management, confirm with your email admin that your company allows relaying email sent from Salesforce. For more information on bounce management, see Configure Deliverability Settings for Emails Sent from Salesforce.

EmailServicesAddress

An email service address.

Each email service has one or more email addresses to which users can send messages for processing. An email service only processes messages it receives at one of its addresses.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`AuthorizedSenders`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Configures the email service address to only accept messages from the email addresses or domains listed in this field. If the email service address receives a message from an unlisted email address or domain, the email service performs the action specified in the `AuthorizationFailureAction` field of its associated email service. Leave this field blank if you want the email service address to receive email from any email address.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The name of the object in the API. This name can contain only underscores and alphanumeric characters and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. This 25-character field must be unique among other EmailServicesAddress records under the same EmailServiceFunction parent. In managed packages, this field prevents naming conflicts on package installations. This field is automatically generated, but you can supply your own value if you create the record using the API. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.

Field	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance might be slow while Salesforce generates one for each record.
`EmailDomainName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A read only field you can query that contains the system-generated domain part of this email service address. The system generates a unique domain-part for each email service address to ensure that no two email service addresses are identical.
`FunctionId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the email service for which the email service address receives messages.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this object is active (true) or not (false).
`LocalPart`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The local-part of the email service address. The local-part of the address is the string that comes before the @ symbol. For the local-part of a Salesforce email address, all alphanumeric characters are valid, plus the following special characters: `! # $ % & amp; ' * / = ? ^ _ + - ` { | } ~ ,` The dot character (.) is also valid as long as it's not the first or last character. Email addresses aren't case-sensitive.
`RunAsUserId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** The username of the user whose permissions the email service assumes when processing messages sent to this address.

Usage

This object supports the email services feature, which allows you to create automated processes that use Apex classes to process the contents, headers, and attachments of inbound email. For example, you can create an email service that automatically creates contact records based on contact information in messages.

SEE ALSO:
EmailServicesFunction

EmailServicesFunction

An email service.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`AddressInactiveAction`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates what the email service does with messages received at an email address that is inactive. One of the following values: • `UseSystemDefault`—The system default is used. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `Bounce`—The email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `1`.)

Field	Details
	• `Discard`—The email service deletes the message without notifying the sender. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `Requeue`—The email service queues the message for processing in the next 24 hours. If the message is not processed within 24 hours, the email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `3`.)
`ApexClassId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required. The ID of the Apex class that the email service uses to process inbound messages. This field is required for API version 12.0 and later.
`AttachmentOption`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates the types of attachments the email service accepts. One of the following values: • `None`—The email service accepts the message but discards any attachment. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `NoContent`—The attachment metadata (filename, MIME type, and so on) is provided to the Apex class, but the body is set to `null`. There was no previous numeric value for this choice. • `TextOnly`—The email service only accepts the following types of attachments: – Attachments with a Multipurpose Internet Mail Extension (MIME) type of text. – Attachments with a MIME type of application/octet-stream and a file name that ends with either a .vcf or .vcs extension. These are saved as text/x-vcard and text/calendar MIME types, respectively. (In API version 41.0 and earlier, the value specified for this choice is `1`.) • `BinaryOnly`—The email service only accepts binary attachments, such as image, audio, application, and video files. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `All`—The email service accepts any type of attachment. (In API version 41.0 and earlier, the value specified for this choice is `3`.)
`AuthenticationFailureAction`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field	Details
	Description Indicates what the email service does with messages that fail or do not support any of the authentication protocols if the `IsAuthenticationRequired` field is true. One of the following values: • `UseSystemDefault`—The system default is used. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `Bounce`—The email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `1`.) • `Discard`—The email service deletes the message without notifying the sender. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `Requeue`—The email service queues the message for processing in the next 24 hours. If the message is not processed within 24 hours, the email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `3`.)
`AuthorizationFailureAction`	**Type** picklist **Properties** Defaulted on create, Group, Sort, Create, Filter, Nillable, Restricted picklist, Update **Description** Indicates what the email service does with messages received from senders who are not listed in the `AuthorizedSenders` field on either the email service or email service address. One of the following values: • `UseSystemDefault`—The system default is used. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `Bounce`—The email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `1`.) • `Discard`—The email service deletes the message without notifying the sender. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `Requeue`—The email service queues the message for processing in the next 24 hours. If the message is not processed within 24 hours, the email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `3`.)
`AuthorizedSenders`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Configures the email service to only accept messages from the email addresses or domains listed in this field. If the email service receives a message from an unlisted email address or domain, the email service performs the action specified in the `AuthorizationFailureAction` field. Leave this field blank if you want the email service to receive email from any email address.
`ErrorRoutingAddress`	**Type** email **Properties** Create, Filter, Nillable, Sort, Update **Description** The destination email address for error notification email messages when `IsErrorRoutingEnabled` is `true`.
`FunctionInactiveAction`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates what the email service does with messages it receives when the email service itself is inactive. One of the following values: • `UseSystemDefault`—The system default is used. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `Bounce`—The email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `1`.) • `Discard`—The email service deletes the message without notifying the sender. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `Requeue`—The email service queues the message for processing in the next 24 hours. If the message is not processed within 24 hours, the email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `3`.)
`FunctionName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the email service.

Field	Details
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this object is active (`true`) or not (`false`).
IsAuthenticationRequired	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Configures the email service to verify the legitimacy of the sending server before processing a message. The email service uses the SPF, SenderId, and DomainKeys protocols to verify the sender's legitimacy: If the sending server passes at least one of these protocols and does not fail any, the email service accepts the email. If the server fails a protocol or does not support any of the protocols, the email service performs the action specified in the `AuthenticationFailureAction` field.
IsErrorRoutingEnabled	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** When incoming email messages can’t be processed, indicates whether error notification email messages are routed to a chosen address or to the senders.
IsTextAttachmentsAsBinary	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, text attachments are supplied to the Apex code as a `Messaging.BinaryAttachment` instead of as a `Messaging.TextAttachment`. This means that the body is supplied as an Apex Blob instead of as an Apex String.
IsTextTruncated	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description This field is deprecated. It is not available as of API version 23.0 and is deprecated and hidden in versions 17.0 through 22.0. In all API versions, the email service now accepts inbound email messages up to the 10 MB size limit, without truncating the text. Previously, it indicated whether the email service truncated and accepted email messages with HTML body text, plain body text, and text attachments over approximately 100,000 characters (`true`) or rejected these email messages and notified the sender (`false`).
`IsTlsRequired`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Not currently in use.
`OverLimitAction`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates what the email service does with messages if the total number of messages processed by all email services combined has reached the daily limit for your organization. One of the following values: • `UseSystemDefault`—The system default is used. (In API version 41.0 and earlier, the value specified for this choice is `0`.) • `Bounce`—The email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `1`.) • `Discard`—The email service deletes the message without notifying the sender. (In API version 41.0 and earlier, the value specified for this choice is `2`.) • `Requeue`—The email service queues the message for processing in the next 24 hours. If the message is not processed within 24 hours, the email service returns the message to the sender with a notification that explains why the message was rejected. (In API version 41.0 and earlier, the value specified for this choice is `3`.) The system calculates the limit by multiplying the number of user licenses by 1,000.

Usage

This object supports the email services feature, which allows you to create automated processes that use Apex classes to process the contents, headers, and attachments of inbound email. For example, you can create an email service that automatically creates contact records based on contact information in messages.

SEE ALSO:

EmailServicesAddress

EmailStatus

Represents the status of email sent.

Supported Calls

`describeSObjects()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`EmailTemplateName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the EmailTemplate.
`FirstOpenDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date when the email was first opened by recipient. Label is **Date Opened**.
`LastOpenDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field	Details
	Description Date when the email was last opened by recipient.
`TaskId`	**Type** reference **Properties** Filter, Group, Sort **Description** The activity (task or event) associated with the email. Label is **Activity ID**.
`TimesOpened`	**Type** int **Properties** Filter, Group, Sort **Description** Number of times the recipient opened the email.
`WhoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is `Name ID`.

SEE ALSO:

EmailTemplate

EmailTemplate

Represents a template for mass email, or email sent when the activity history related list of a record is modified.

Note: You can't send a mass email using a Visualforce email template.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can’t access this object.

Fields

Field	Details
ApiVersion	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The API version for this class. Every class has an API version specified at creation.
Body	**Type** textarea **Properties** Create, Nillable, Update **Description** Content of the email. Limit: 384 KB.
BrandTemplateId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required. ID of the BrandTemplate associated with this email template. The brand template supplies letterhead information for the email template.
Description	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the template, for example, Promotion Mass Mailing.
DeveloperName	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not

Field	Details
	include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **Template Unique Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Encoding`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Character set encoding for the template.
`EntityType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, **Description** When `UIType` is `2` (Lightning Experience) or `3` (Lightning ExperienceSample), `EntityType` indicates which entities this template can be used with (for example, an account, lead, and so on). Valid values are standard object ID prefixes: 001 for account, 003 for contact, 006 for opportunity, and 00Q for lead, 500 for case, and 701 for campaign. This field has been deprecated in API version 39.0. Use `RelatedEntityType` instead.
`FolderId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the folder that contains the template.
`HtmlValue`	**Type** textarea **Properties** Create, Nillable, Update **Description** This field contains the content of the email message, including HTML coding to render the email message. Limit: 384 KB.

Field	Details
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates that this template is active if `true`, or inactive if `false`.
LastUsedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date and time when this EmailTemplate was last used.
Markup	**Type** textarea **Properties** Create, Nillable, Update **Description** The Visualforce markup, HTML, Javascript, or any other Web-enabled code that defines the content of the template.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the template. Label is **Email Template Name**.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the

Field	Details
	installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field cannot be accessed unless the logged-in user has the "Customize Application" permission.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the template.
`RelatedEntityType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, **Description** When `UIType` is `2` (Lightning Experience) or `3` (Lightning ExperienceSample), `RelatedEntityType` indicates which entities this template can be used with. Valid values are the entity API name: "Account" for account, "Contact" for contact, "Opportunity" for opportunity, "Lead" for lead, and so on. The value can be any entity the user has read access to (including custom entities) but not virtual entities, setup entities, or platform entities. No restrictions exist at the schema level.
`Subject`	**Type** string **Properties** Create, Group, Nillable, Sort, Update **Description** Content of the subject line.
`TemplateStyle`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Style of the template, such as formalLetter or freeform.

Field	Details
`TemplateType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Type of template, either HTML, text, or custom templates, or those templates generated by Visualforce.
`TimesUsed`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number of times this template has been used.
`UIType`	**Type** picklist **Properties** Create, Filter, Group, , Restricted picklist, Sort, **Description** Indicates the user interface where this template is usable. Valid values are: `1` (Salesforce Classic), `2` (Lightning Experience), and `3` (Lightning Experience Sample).

Usage

To retrieve this object, issue a describe call on an object, which returns a query result for each activity since the object was created. You can't query these records.

SEE ALSO:

Attachment

EmailStatus

DocumentAttachmentMap

EmbeddedServiceDetail

Represents a metadata catalog object that exposes fields from the underlying Embedded Service setup objects defined in each EmbeddedServiceConfig deployment for guest users. Guest users don't have direct access to the Embedded Service setup objects. Available in API version 39.0 and later.

Supported SOAP Calls

`describeSObjects()`, `query()`

Supported REST HTTP Methods

`GET`

Fields

Field	Details
AvatarImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used as the agent avatar image.
CancelApptBookingFlowName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the appointment cancellation flow for Snap-ins Appointment Management (beta).
ContrastInvertedColor	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Accent branding color used in the snap-in, displayed as a hexadecimal value. Changes made to this field in the API aren’t reflected in the snap-in.
ContrastPrimaryColor	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Value of the `ContrastPrimaryColor` field in the EmbeddedServiceBranding setup object.
CustomMinimizedComponent	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The custom Lightning component that's used for the minimized snap-in for this Snap-ins Chat deployment.
CustomPrechatComponent	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The custom Lightning component that's used for the pre-chat page for this Snap-ins Chat deployment.
DurableID	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Developer name for the EmbeddedServiceConfig.
FieldServiceConfirmCardImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used for the confirmation card in Snap-ins Appointment Management (beta).
FieldServiceHomeImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used for the home screen in Snap-ins Appointment Management (beta).
FieldServiceLogoImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the logo used for the home screen in Snap-ins Appointment Management (beta).

Field	Details
FlowDeveloperName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The developer name of the flow used to create a new appointment in Snap-ins Appointment Management (beta).
Font	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Font used in the chat text of the Snap-ins chat widget.
FontSize	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Font size for the snap-in. Possible values are: • Small • Medium • Large
HeaderBackgroundImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used for the header background in Snap-ins Chat.
Height	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Height of the snap-in.

Field	Details
IsFieldServiceEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether Field Service is enabled for this Snap-ins deployment (`true`) or not (`false`). Snap-ins Appointment Management is currently beta.
IsLiveAgentEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether Live Agent is enabled for this Snap-ins deployment (`true`) or not (`false`).
IsOfflineCaseEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether offline support is enabled for this Snap-ins deployment (`true`) or not (`false`).
IsPreChatEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Value of the `PreChatEnabled` field in the EmbeddedServiceLiveAgent setup object.
IsQueuePositionEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether queue position (displaying the customer's place in line while they wait for an agent) is enabled for this Snap-ins Chat deployment (`true`) or not (`false`).
ModifyApptBookingFlowName	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Name of the flow used for modifying an existing appointment for Snap-ins Appointment Management (beta).
`NavBarColor`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Value of the `NavBarColor` field in the EmbeddedServiceBranding setup object.
`OfflineCaseBackgroundImg`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used for the background for the offline support case form in Snap-ins Chat.
`PrechatBackgroundImg`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the image used for the background for the pre-chat form in Snap-ins Chat.
`PrimaryColor`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Value of the `PrimaryColor` field in the EmbeddedServiceBranding setup object.
`SecondaryColor`	**Type** string **Properties** Filter, Group, Nillable Sort **Description** Value of the `SecondaryColor` field in the EmbeddedServiceBranding setup object.
`ShouldHideAuthDialog`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Specifies whether the prompt that the customer log in again during a flow should be hidden (`true`) or not (`false`). When it's hidden, the customer is taken directly to your login page.
ShouldShowExistingAppointment	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether to display a button on the home screen for customers to access their existing appointments (`true`) or not (`false`) for Snap-ins Appointment Management (beta).
ShouldShowNewAppointment	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether to display a button on the home screen for customers to create a new appointment (`true`) or not (`false`) for Snap-ins Appointment Management (beta).
Site	**Type** string **Properties** Filter, Group, Nillable Sort **Description** Value of the `Site` field in the EmbeddedServiceConfig setup object.
SmallCompanyLogoImg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the logo image used with Snap-ins Chat.
WaitingStateBackgroundImg	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description URL of the image used for the background image in Snap-ins Chat while the customer waits to be connected with a support agent.
`Width`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Width of the snap-in.

Note: Any changes you make to the image fields override what you've entered in Setup. We recommend setting your Snap-ins image URLs in Setup.

Entitlement

Represents the customer support an account or contact is eligible to receive. This object is available in API version 18.0 and later. Entitlements may be based on an asset, product, or service contract.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the Account associated with the entitlement.
`AssetId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the Asset associated with the entitlement. Must be a valid asset ID.

Field	Details
BusinessHoursId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the BusinessHours associated with the entitlement. Must be a valid business hours ID.
CasesPerEntitlement	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total number of cases the entitlement supports. This field is only available if `IsPerIncident` is `true`.
ContractLineItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the ContractLineItem associated with the entitlement. Must be a valid ID.
EndDate	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The last day the entitlement is in effect.
IsPerIncident	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether the entitlement is limited to supporting a specific number of cases (`true`) or not (`false`).
LastReferencedDate	**Type** date

Field	Details
	Properties Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
Name	**Type** string **Properties** Create, Filter, Update **Description** Required. Name of the entitlement.
SvcApptBookingWindowsId	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** The operating hours that the entitlement's work orders should respect. The label in the user interface is Operating Hours. Available only if Field Service Lightning is enabled.
RemainingCases	**Type** int **Properties** Create, Filter, Nillable, Update **Description** The number of cases the entitlement can support. This field decreases in value by one each time a case is created with the entitlement. This field is only available if IsPerIncident is selected.
ServiceContractId	**Type** reference

Field	Details
	Properties Create, Filter, Nillable, Update **Description** Required. ID of the ServiceContract associated with the entitlement. Must be a valid ID.
`SlaProcessId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the SlaProcess associated with the entitlement. This field is available in version 19.0 and later.
`StartDate`	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The first date the entitlement is in effect.
`Status`	**Type** picklist **Properties** Filter, Nillable **Description** Status of the entitlement, such as `Expired`.
`SvcApptBookingWindows`	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** The operating hours of the entitlement. This field is visible only if Field Service Lightning is enabled.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Update

Field	Details
	Description The type of entitlement, such as Web or phone support.

SEE ALSO:

EntitlementContact

EntitlementHistory

SlaProcess

EntitlementContact

Represents a Contact eligible to receive customer support via an Entitlement. This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field	Details
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Contact associated with the entitlement. Must be a valid ID.
`EntitlementId`	**Type** reference **Properties** Create, Filter **Description** Required. ID of the Entitlement associated with the entitlement contact. Must be a valid ID.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter

Field	Details
	Description Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Nillable **Description** Required. Name of the entitlement contact.

Usage

Use to query and manage entitlement contacts.

SEE ALSO:

Entitlement

EntitlementHistory

EntitlementFeed

Represents a single feed item in the feed displayed on the detail page for an entitlement. An entitlement feed shows recent changes to an entitlement record for any fields that are tracked in feeds, and comments and posts about the record. It's a useful way to stay up-to-date with changes to entitlements. This object is available in API version 23.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Entitlement object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the EntitlementFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable

Field Name	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is `ContentPost`. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description The ID of the user who added this object to the feed. For example, if a client application migrates multiple posts and comments from another application into a feed, `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** This field is a standard system field.

Field Name	Details
	When a feed item is created, LastModifiedDate is the same as CreatedDate. If a FeedComment is inserted on the feed item, then LastModifiedDate becomes the CreatedDate for the FeedComment. Deleting the FeedComment does not change the LastModifiedDate. Ordering by LastModifiedDate DESC sorts the feed by both the most recent feed item or comment.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of the LinkPost.
NetworkScope	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. NetworkScope can have the following values: • NetworkId—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.

Field Name	Details
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the entitlement record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as an EntitlementFeed object of `Type` `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the EntitlementFeed. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of EntitlementFeed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence.

Field Name	Details
	• AdvancedTextPost—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • AnnouncementPost—Not used. • ApprovalPost—generated when a user submits an approval. • BasicTemplateFeedItem—Not used. • CanvasPost—a post made by a canvas app posted on a feed. • CollaborationGroupCreated—generated when a user creates a public group. • CollaborationGroupUnarchived—Not used. • ContentPost—a post with an attached file. • CreatedRecordEvent—generated when a user creates a record from the publisher. • DashboardComponentAlert—generated when a dashboard metric or gauge exceeds a user-defined threshold. • DashboardComponentSnapshot—created when a user posts a dashboard snapshot on a feed. • LinkPost—a post with an attached URL. • PollPost—a poll posted on a feed. • ProfileSkillPost—generated when a skill is added to a user's Chatter profile. • QuestionPost—generated when a user posts a question. • ReplyPost—generated when Chatter Answers posts a reply. • RypplePost—generated when a user creates a Thanks badge in Work.com. • TextPost—a direct text entry on a feed. • TrackedChange—a change or group of changes to a tracked field. • UserStatus—automatically generated when a user adds a post. Deprecated. The following values appear in the Type picklist for all feed objects but apply only to CaseFeed: • AttachArticleEvent—generated event when a user attaches an article to a case. • CallLogPost—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • CaseCommentPost—generated event when a user adds a case comment for a case object. • ChangeStatusPost—generated event when a user changes the status of a case. • ChatTranscriptPost—generated event when Live Agent transcript is saved to a case.

Field Name	Details
	• `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for an entitlement record.

SEE ALSO:

Entitlement

EntitlementHistory

EntitlementContact

FeedItem

EntitlementHistory

Represents the changes to field values on an Entitlement. This object is available in API version 18.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`EntitlementId`	**Type** reference **Properties** Filter **Description** Required. ID of the Entitlement.
`Field`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable **Description** The latest value of the field before it was changed.

Usage

This object respects field-level security on the parent object.

SEE ALSO:

Entitlement

EntitlementContact

EntitlementTemplate

Represents predefined terms of customer support for a product (Product2). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

All users, even those without the “View Setup and Configuration” user permission, can view entitlement templates via the API.

Fields

Field	Details
`BusinessHoursId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the BusinessHours associated with the entitlement template. Must be a valid business hours ID.
`CasesPerEntitlement`	**Type** int **Properties** Create, Filter, Nillable, Update **Description** The total number of cases the entitlement template supports. This field is only available if `IsPerIncident` is `true`.
`IsPerIncident`	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Update **Description** Indicates whether the entitlement template is limited to supporting a specific number of cases (`true`) or not (`false`).
`Name`	**Type** string **Properties** Create, Filter, idLookup, Update **Description** Required. Name of the entitlement template.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. Available in version 34.0 and later.
`SlaProcessId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the SlaProcess associated with the entitlement template. This field is available in API version 19.0 and later.

Field	Details
`Term`	**Type** int **Properties** Create, Defaulted on create, Filter, Nillable, Update **Description** Number of days that the entitlement template is valid.
`Type`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** The type of entitlement template, such as Web or phone support.

Usage

Use this object to manage entitlement templates.

EntityHistory

Represents historical information about an object's changed field values. This object is only available to users with the "View All Data" permission. This object is unavailable beginning with API version 8.0. Use the object-specific History objects instead: CaseHistory, ContractHistory, LeadHistory, OpportunityFieldHistory, OpportunityHistory ProcessInstanceHistory, QuantityForecastHistory, RevenueForecastHistory, or SolutionHistory.

Supported Calls

`describeSObjects()`, `getUpdated()`, `getDeleted()`, `query()`, `retrieve()`

Fields

Field	Details
`FieldName`	**Type** picklist **Properties** Filter, Restricted picklist **Description** ID of the standard or custom field.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
NewValue	**Type** anyType **Properties** Nillable **Description** New value of the modified field.
OldValue	**Type** anyType **Properties** Nillable **Description** Previous value of the modified field.
ParentId	**Type** reference **Properties** Filter **Description** ID of the object that contains the field.
ParentSobjectType	**Type** picklist **Properties** Filter, Restricted picklist **Description** The kind of object that contains the field.

Usage

In API version 7.0 and later, this object works with Case, Contract, and Solution objects:

- This object is always read-only in the online application.

- When a field is modified, this object records both the old and new field values. There are exceptions to this behavior for certain fields such as long text areas and multi-select picklists. These fields appear in this object to indicate that the field was changed, but the old and new values are not recorded.
- Two rows are added to this object when foreign key fields change. One row contains the foreign key object names that display in the online application. For example, “Jane Doe” is recorded as the name of a contact. The other row contains the actual foreign key ID that is only returned to and visible from the API.
- Up to a total of twenty fields (standard or custom) can be tracked for a given object.
- In the online application, you can specify which fields are tracked or not tracked at any time.
- As soon as tracking is turned on for a field, all changes to its value are recorded in the database.
- Turning off tracking for a field stops further changes from being recorded, but the history data is not deleted.
- Be advised that deleting a custom field also permanently deletes the history data for that custom field.

EntityMilestone

Represents a required step in a customer support process on a work order. The Salesforce user interface uses the term “object milestone.” This object is available in API version 37.0 and later.

Note: Milestones on cases use the CaseMilestone object type.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`

Special Access Rules

- Entitlement management must be enabled.
- Work orders or Field Service Lightning must be enabled.

Fields

Field Name	Details
`ActualElapsedTimeInDays`	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of days that it took to complete a milestone. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time) Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.

Field Name	Details
ActualElapsedTimeInHrs	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of hours that it took to complete a milestone. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time) Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.
ActualElapsedTimeInMins	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of minutes that it took to complete a milestone. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time) Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.
BusinessHoursId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The business hours on the milestone. If business hours aren't specified, the entitlement process business hours are used. If business hours are also not specified on the entitlement process, the business hours on the record are used.
CompletionDate	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** The date and time the milestone was completed.
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of days it took to complete a milestone, including time during which the milestone was stopped. Automatically calculated to include the business hours on the record. Elapsed time is calculated only after the Completion Date field is populated. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time).
`ElapsedTimeInHrs`	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of hours it took to complete a milestone, including time during which the milestone was stopped. Automatically calculated to include the business hours on the record. Elapsed time is calculated only after the Completion Date field is populated. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time).
`ElapsedTimeInMins`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of minutes it took to complete a milestone, including time during which the milestone was stopped. Automatically calculated to include the business hours on the record. Elapsed time is calculated only after the Completion Date field is populated. (Elapsed Time) – (Stopped Time) = (Actual Elapsed Time).
`IsCompleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Icon ( ) that indicates a milestone completion.
`IsViolated`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Icon ( ) that indicates a milestone violation.
`MilestoneTypeId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the milestone (for instance, First Response).
`Name`	**Type** string **Properties** Filter, Group, Sort, Update **Description** The name of the milestone.
`ParentEntityId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the record—for example, a work order—that contains the milestone.
`SlaProcessId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The entitlement process associated with the milestone.
`StartDate`	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** The date and time that milestone tracking started.

Field Name	Details
StoppedTimeInDays	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of days that an agent has been blocked from completing a milestone. For example, an agent may be waiting for a customer to reply with more information. Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.
StoppedTimeInHrs	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of hours that an agent has been blocked from completing a milestone. For example, an agent may be waiting for a customer to reply with more information. Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.
StoppedTimeInMins	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of minutes that an agent has been blocked from completing a milestone. For example, an agent may be waiting for a customer to reply with more information. Note: To display this field, select **Enable stopped time and actual elapsed time** on the Entitlement Settings page and add the field to the object milestone page layout.
TargetDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time to complete the milestone.

Field Name	Details
TargetResponseInDays	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of days to complete the milestone. Automatically calculated to include the business hours on the record.
TargetResponseInHrs	**Type** double **Properties** Filter, Nillable, Sort **Description** The number of hours to complete the milestone. Automatically calculated to include the business hours on the record.
TargetResponseInMins	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of minutes to complete the milestone. Automatically calculated to include the business hours on the record.
TimeRemainingInDays	**Type** string **Properties** Filter, Nillable, Sort **Description** The days that remain before a milestone violation. Automatically calculated to include the business hours on the record.
TimeRemainingInHrs	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The hours that remain before a milestone violation. Automatically calculated to include the business hours on the record.
TimeRemainingInMins	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** The minutes that remain before a milestone violation. Automatically calculated to include the business hours on the record.
`TimeSinceTargetInDays`	**Type** string **Properties** Filter, Nillable, Sort **Description** The days that have elapsed since a milestone violation. Automatically calculated to include the business hours on the record.
`TimeSinceTargetInHrs`	**Type** string **Properties** Filter, Nillable, Sort **Description** The hours that have elapsed since a milestone violation. Automatically calculated to include the business hours on the record.
`TimeSinceTargetInMins`	**Type** string **Properties** Group, Nillable, Sort **Description** The minutes that have elapsed since a milestone violation. Automatically calculated to include the business hours on the record.

Usage

When you create an entitlement process, you select its type based on the type of record that you want the process to run on: Case or Work Order. Processes created before Summer '16 use the Case type. When a Work Order entitlement process runs on a work order, the resulting milestones on the work order are object milestones. Conversely, when a Case entitlement process runs on a case, the resulting milestones are case milestones, a separate standard object.

Tip: If an entitlement has an entitlement process associated with it, don't use the entitlement for multiple types of support records. An entitlement process works only on records that match the process's type. For example, when a Case entitlement process is applied to an entitlement, the process runs only on cases associated with that entitlement. If a work order is also associated with the entitlement, the process doesn't run on the work order. To ensure that the milestones you set up work as expected, associate a customer's work orders and cases with different entitlements.

Customize page layouts, validation rules, and more for object milestones from the Object Milestones node in Setup under Entitlement Management.

EntitySubscription

Represents a subscription for a user following a record or another user. This object is available in API version 34.0 and later.

A user can subscribe to a record or to another user. Changes to the record and updates from the users are displayed in the Chatter feed on the user's home page, which is a useful way to stay up-to-date with other users and with changes made to records in Salesforce. Feeds are available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the community that this file originated from. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the record or user which the user is following.
`SubscriberId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the User who is following the record or user.

Usage

Consider this when following records and users:

- Users can only follow records that they can see.
- Users can see which records other users are following, unless they don't have access to the records.
- Administrators and users with the "Modify All Users" permission can configure a user to follow records that the user has read access to.
- Administrators and users with the "Modify All Users" permission can configure users to stop following records.
- Following topics is available in API version 29.0 and later. For this reason, a topic ID is now a supported value for the `ParentId` field.
- If you deactivate a user, any EntitySubscription where the user is associated with the ParentId or SubscriberId field, meaning all subscriptions both to and from the user, are soft deleted. If the user is reactivated, the subscriptions are restored. However, if you deactivate multiple users at once and these users follow each other, their subscriptions are hard deleted. In this case, the user-to-user EntitySubscription is deleted twice (double deleted). Such subscriptions can't be restored upon user reactivation.

When using `query()` with EntitySubscription,

- Note the following SOQL restriction. No SOQL limit if logged-in user has "View All Data" permission. If not, specify a LIMIT clause of 1,000 records or fewer.
- A query using a `WHERE` clause can only filter by fields on the EntitySubscription object.
- If user sharing is enabled and the querying user is not an administrator, a SOQL query must be constrained either by the `ParentId` or `SubscriberId`. Otherwise, the query behavior at run time is undefined, meaning the result set can be incomplete or inconsistent from invocation to invocation. For an unconstrained query, the sharing check limits imposed on a non-adminstrative user are likely to be exceeded before the query completes, because access checks are run against both parent and subject, for each row of the result set. We recommend using the Chatter REST API to query EntitySubscription data instead of running a SOQL query.
- Users without the "View All Data" permission
  - Need read access on the object associated with the `ParentId` field to see which users are following records for the object.
  - Can use an `ORDER BY` clause in a query only to order by fields on the EntitySubscription object. For example, if the subscription relates to an Account record, the query can `ORDER BY ParentId`, but it can't `ORDER BY Account.Name`.
  - Don't always get all matching subscriptions when running a query. For these users, a query evaluates visibility criteria on a maximum of 500 records to reduce the prospect of long-running queries. If a user runs a query to see the CEO's subscriptions, it might scan a large number of records. The query only returns matches within the first 500 records scanned. It is possible that there are more subscriptions that are visible to the user, but they are not returned. To mitigate this, we recommend using a `WHERE` clause, if possible, to reduce the scope of the query.

Sample—SOQL

The following SOQL query returns subscriptions for all the accounts that a subscriber is following that have more than 10 employees:

```
SELECT Id
FROM EntitySubscription
WHERE SubscriberId = '005U0000000Rg2CIAS'
AND ParentId IN (
  SELECT Id FROM Account
  WHERE NumberOfEmployees > 10
```

```
)
LIMIT 200
```

SEE ALSO:

AccountFeed

CaseFeed

ContactFeed

OpportunityFeed

SolutionFeed

EnvironmentHubMember

Represents a member organization in the Environment Hub. This object is available in API version 29.0 and later.

Note: You can only create 20 member orgs per day. If you need to create additional orgs, log a case in the Partner Community.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field Name	Details
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** System field that specifies the date and time when this record was created.
`Description`	**Type** string **Properties** Nillable, Update **Description** A brief description of this organization.
`DisplayName`	**Type** string **Properties** Filter, Group, Nillable,Sort, Update

Field Name	Details
	Description The name that the user has specified for this member organization.
`EnvironmentHubId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** The Organization ID of this member's Environment Hub organization.
`Id`	**Type** ID **Properties** Defaulted on create, Filter, Group, idLookup, Sort **Description** System field that uniquely identifies this record.
`IsFedIdSsoMatchAllowed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates if single sign-on has been enabled based on matching Federation ID. The default value is `false`.
`IsSandbox`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates if the member organization is a sandbox (`true`) or not (`false`). This field is available in API version 36.0 and later.
`MemberEntity`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The unique Organization ID of the member organization for this record.
`MemberType`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of member organization for this record. Possible values include `Branch Org`, `Patch Org`, `Release Org`, `Sandbox Org`, `Trialforce Management Org`, and `Trialforce Source Org`. Note: Only one member type at a time is stored. Member type is determined according to this hierarchy: (1) Sandbox, (2) Release, (3) Trialforce Source Org (TSO), (4) Patch, (5) Branch, and (6) Trialforce Management Org (TMO). For example, if an org is both a sandbox and a TMO, the value of `MemberType` is `Sandbox Org`.
`Name`	**Type** string **Properties** Defaulted on create, Filter, idLookup, Sort **Description** The name of the member organization for this record.
`OrgEdition`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The organization's edition, for example, Enterprise Edition or Unlimited Edition.
`OrgStatus`	**Type** picklist **Properties** Filter, Group, Sort, Update **Description** The licensing or creation status of this organization. Possible values include `Active`, `Demo`, `Deleted`, `Free`, `Inactive`, and `Trial`.
`Origin`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The method by which this organization was added to the Environment Hub. Possible values are `Auto Discovered`, `User Added`, and `Provisioned`.

Field Name	Details
ServiceProviderId	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** The ID of the service provider for this member organization. This field is available in API version 36.0 and later.
ShouldAddRelatedOrgs	**Type** boolean **Properties** Defaulted on create, Update **Description** If related organizations should be automatically connected to the hub when this member organization is added. The default value is `true`.
ShouldEnableSSO	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** If SSO should be enabled when this member organization is added. The default value is `false`.
SSOMappedUsers	**Type** int **Properties** Filter, Group, Nillable, Sort, Update **Description** The total number of mapped users in this member organization. This field is available in API version 36.0 and later.
SsoStatus	**Type** picklist **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** If single sign-on has been enabled for this organization. Possible values are: • `Enabled`—Single sign-on is enabled. • `Disabled`—Single sign-on is disabled. • `Pending`—Single sign-on is in the process of being enabled.

Field Name	Details
	• `Failed`—Single sign-on enablement failed. Contact Salesforce support for assistance.
`SsoUsernameFormula`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** The custom formula for matching users in the hub and member organizations.

Usage

Use this object to access and modify settings of member organizations in the Environment Hub.

Event

Represents an event in the calendar. In the user interface, event and task records are collectively referred to as activities.

Note:

- An EventRelation object can't be related to a child event, and child events don't include the invitee related list.
- `query()`, `delete()`, and `update()` aren't allowed with events related to more than one contact in API versions 25.0 and earlier.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AcceptedEventInviteeIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of contact or lead IDs who accepted this event. This `JunctionIdList` is linked to the `AcceptedEventRelation` child relationship. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.

Field	Details
AccountId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Represents the ID of the related Account. The `AccountId` is determined as follows. If the value of `WhatId` is any of the following objects, then Salesforce uses that object's `AccountId`. • Account • Opportunity • Contract • Custom object that is a child of Account If the value of the `WhatId` field is any other object, and the value of the `WhoId` field is a Contact object, then Salesforce uses that contact's `AccountId`. (If your organization uses Shared Activities, Salesforce uses the `AccountId` of the primary contact.) Otherwise, Salesforce sets the value of the `AccountId` field to `null`. For information on IDs, see ID Field Type.
ActivityDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contains the event's due date if the `IsAllDayEvent` flag is set to `true`. This field is a date field with a timestamp that is always set to midnight in the Coordinated Universal Time (UTC) time zone. Don't attempt to alter the timestamp to account for time zone differences. Label is **Due Date Only**. This field is required in versions 12.0 and earlier if the `IsAllDayEvent` flag is set to `true`. The value for this field and `StartDateTime` must match, or one of them must be `null`.
ActivityDateTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Contains the event's due date if the `IsAllDayEvent` flag is set to `false`. This field is a regular Date/Time field with a relevant time portion. The time portion is always transferred in the Coordinated Universal Time (UTC) time zone. Translate the time portion to or from a local time zone for the user or the application, as appropriate. Label is **Due Date Time**.

Field	Details
	This field is required in versions 12.0 and earlier if the `IsAllDayEvent` flag is set to `false`. The value for this field and `StartDateTime` must match, or one of them must be `null`.
`ClientGuid`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The client globally unique identifier identifies the external API client used to create the event. Label is **Client GUID**.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`DeclinedEventInviteeIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of contact, lead, or user IDs who declined this event. This `JunctionIdList` is linked to the `DeclinedEventRelation` child relationship. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can’t be undone.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Contains a text description of the event. Limit: 32,000 characters.
`Division`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort

Field	Details
	Description A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.
`DurationInMinutes`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contains the event length, in minutes. Even though this field represents a temporal value, it is an integer type—not a Date/Time type. Required in versions 12.0 and earlier if `IsAllDayEvent` is false. In versions 13.0 and later, this field is optional, depending on the following: • If `IsAllDayEvent` is true, you can supply a value for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If both fields are `null`, the duration defaults to one day. • If `IsAllDayEvent` is false, a value must be supplied for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If the multiday event feature is enabled, then API versions 13.0 and later support values greater than 1440 for the `DurationInMinutes` field. API versions 12.0 and earlier can’t access event objects whose `DurationInMinutes` is greater than 1440. For more information, see **Multiday Events**. Depending on your API version, errors with the `DurationInMinutes` and `EndDateTime` fields may appear in different places. • Versions 38.0 and before—Errors always appear in the `DurationInMinutes` field. • Versions 39.0 and later—If there’s no value for the `DurationInMinutes` field, errors appear in the `EndDateTime` field. Otherwise, they appear in the `DurationInMinutes` field.
`EndDateTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Available in versions 13.0 and later. This field is a regular Date/Time field with a relevant time portion. The time portion is always transferred in the Coordinated Universal Time (UTC) time zone. Translate the time portion to or from a local time zone for the user or the application, as appropriate. This field is optional, depending on the following:

Field	Details
	• If `IsAllDayEvent` is true, you can supply a value for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If both fields are `null`, the duration defaults to one day. • If `IsAllDayEvent` is false, a value must be supplied for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. Depending on your API version, errors with the `DurationInMinutes` and `EndDateTime` fields may appear in different places. • Versions 38.0 and before—Errors always appear in the `DurationInMinutes` field. • Versions 39.0 and later—If there's no value for the `DurationInMinutes` field, errors appear in the `EndDateTime` field. Otherwise, they appear in the `DurationInMinutes` field.
`EventSubtype`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Provides standard subtypes to facilitate creating and searching for events. This field isn't updateable.
`EventWhoIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of contact or lead IDs used to create many-to-many relationships with a shared event. `EventWhoIds` is available when the shared activities setting is enabled. The first contact or lead ID in the list becomes the primary `WhoId` if you don't specify a primary `WhoId`. If you set the `EventWhoIds` field to null, all entries in the list are deleted and the value of `WhoId` is added as the first entry. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`GroupEventType`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Read-only. Available in API versions 19.0 and later. The possible values are: • `0` (Non–group event)—An event with no invitees.

Field	Details
	• `1` (Group event)—An event with invitees. • `2` (Proposed event)—An event created when a user requests a meeting with a contact, lead, or person account using the Salesforce user interface. When the user confirms the meeting, the proposed event becomes a group event. You can't create, edit, or delete proposed events in the API. This value is no longer used in API version 41.0 and later.
`IsAllDayEvent`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the `ActivityDate` field (`true`) or the `ActivityDateTime` field (`false`) is used to define the date or time of the event. Label is **All-Day Event**. See also `DurationInMinutes` and `EndDateTime`.
`IsArchived`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event has been archived.
`IsChild`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event is a child of another event (`true`) or not (`false`). For a child event, you can update `IsReminderSet` and `ReminderDateTime` only. You can query and delete a child event. If the objects related to the child event are different from those related to the parent event (this difference is possible if you use API version 25.0 or earlier) and one of the objects related to the child event is deleted, the objects related to the parent event are updated to ensure data integrity.
`IsClientManaged`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event is managed by an external client. If the value of this field is false, the event isn't owned or managed by an external client, and Salesforce can be used to update it. If the value is true, Salesforce can be used to change only noncritical fields on the event. Label is **Is Client Managed**.

Field	Details
IsGroupEvent	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event is a group event—that is, whether it has invitees (`true`) or not (`false`).
IsPrivate	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether users other than the creator of the event can (`false`) or can't (`true`) see the event details when viewing the event user's calendar. However, users with the View All Data or Modify All Data permission can see private events in reports and searches, or when viewing other users' calendars. Private events can't be associated with opportunities, accounts, cases, campaigns, contracts, leads, or contacts. Label is **Private**.
IsRecurrence	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event is scheduled to repeat itself (`true`) or only occurs once (`false`). This is a read-only field when updating records, but not when creating them. If this field value is `true`, then `RecurrenceEndDateOnly`, `RecurrenceStartDateTime`, `RecurrenceType`, and any recurrence fields associated with the given recurrence type must be populated. Label is **Create recurring series of events**.
IsReminderSet	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the activity is a reminder (`true`) or not (`false`).
IsVisibleInSelfService	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether an event associated with an object can be viewed in the Customer Portal (`true`) or not (`false`). If your organization has enabled Communities, events marked `IsVisibleInSelfService` are visible to any external user in the community, as long as the user has access to the record the event was created on. This field is available when Customer Portal or partner portal are enabled OR Communities is enabled and you have Customer Portal or partner portal licenses.
`Location`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contains the location of the event.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Contains the ID of the user who owns the event. Label is **Assigned to ID**.
`RecurrenceActivityId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Read-only. Not required on create. Contains the ID of the main record of the recurring event. Subsequent occurrences have the same value in this field.
`RecurrenceDayOfMonth`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the day of the month on which the event repeats.
`RecurrenceDayOfWeekMask`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description Indicates the day or days of the week on which the event repeats. This field contains a bitmask. The values are as follows: • Sunday = `1` • Monday = `2` • Tuesday = `4` • Wednesday = `8` • Thursday = `16` • Friday = `32` • Saturday = `64` Multiple days are represented as the sum of their numerical values. For example, Tuesday and Thursday = 4 + 16 = 20.
`RecurrenceEndDateOnly`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the last date on which the event repeats. For multiday recurring events, this is the day on which the last occurrence starts. This field is a date field with a timestamp that is always set to midnight in the Coordinated Universal Time (UTC) time zone. Don't attempt to alter the timestamp to account for time zone differences.
`RecurrenceInstance`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the frequency of the event's recurrence. For example, `2nd` or `3rd`.
`RecurrenceInterval`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the interval between recurring events.
`RecurrenceMonthOfYear`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field	Details
	Description Indicates the month in which the event repeats.
RecurrenceStartDateTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Indicates the date and time when the recurring event begins. The value must precede the `RecurrenceEndDateOnly`. This field is a regular Date/Time field with a relevant time portion. The time portion is always transferred in the Coordinated Universal Time (UTC) time zone. Translate the time portion to or from a local time zone for the user or the application, as appropriate.
RecurrenceTimeZoneSidKey	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the time zone associated with a recurring event. For example, “UTC-8:00” for Pacific Standard Time.
RecurrenceType	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates how often the event repeats. For example, daily, weekly, or every nth month (where “nth” is defined in `RecurrenceInstance`).
ReminderDateTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Represents the time when the reminder is scheduled to fire, if `IsReminderSet` is set to `true`. If `IsReminderSet` is set to `false`, then the user may have deselected the reminder checkbox in the Salesforce user interface, or the reminder has already fired at the time indicated by the value.
ShowAs	**Type** picklist

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates how this event appears when another user views the calendar: Busy, Out of Office, or Free. Label is **Show Time As**.
`StartDateTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Indicates the start date and time of the event. Available in versions 13.0 and later. If the Event `IsAllDayEvent` flag is set to true (indicating that it is an all-day Event), then the event start date information is contained in the `StartDateTime` field. This field is a regular Date/Time field with a relevant time portion. The time portion is always transferred in the Coordinated Universal Time (UTC) time zone. Translate the time portion to or from a local time zone for the user or the application, as appropriate. If the Event `IsAllDayEvent` flag is set to false (indicating that it is not an all-day event), then the event start date information is contained in the `StartDateTime` field. The time portion is always transferred in the Coordinated Universal Time (UTC) time zone. You need to translate the time portion to or from a local time zone for the user or the application, as appropriate. If this field has a value, then `ActivityDate` and `ActivityDateTime` must either be `null` or match the value of this field.
`Subject`	**Type** combobox **Properties** Create, Filter, Nillable, Sort, Update **Description** The subject line of the event, such as Call, Email, or Meeting. Limit: 255 characters.
`Type`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Indicates the event type, such as Call, Email, or Meeting.
`UndecidedEventInviteeIds`	**Type** JunctionIdList

Field	Details
	Properties Create, Update **Description** A string array of contact, lead, or user IDs who are undecided about this event. This `JunctionIdList` is linked to the `UndecidedEventRelation` child relationship. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`WhatCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Available if your organization has enabled Shared Activities. Represents the count of related EventRelations pertaining to the `WhatId`. The count of the `WhatId` must be *1* or less.
`WhatId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The `WhatId` represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. `WhatIds` are polymorphic. Polymorphic means a `WhatId` is equivalent to the ID of a related object. The label is `Related To ID`.
`WhoCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Available to organizations that have Shared Activities enabled. Represents the count of related EventRelations pertaining to the `WhoId`.
`WhoId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is `Name ID`.

Field	Details
	If Shared Activities is enabled, the value of this field is the ID of the related lead or primary contact. If you add, update, or remove the WhoId field, you might encounter problems with triggers, workflows, and data validation rules that are associated with the record. The label is `Name ID`. If the `JunctionIdList` field is used, all `WhoIds` are included in the relationship list. Beginning in API version 37.0, if the contact or lead ID in the `WhoId` field is not in the `EventWhoIds` list, no error occurs and the ID is added to the `EventWhoIds` as the primary `WhoId`. If `WhoId` is set to null, an arbitrary ID from the existing `EventWhoIds` list is promoted to the primary position.

Usage

Use Event to manage calendar appointments.

Querying and Filtering Events

Queries on events will be denied before they time out if they involve amounts of data that are deemed too large. In such cases, the exception code `OPERATION_TOO_LARGE` is returned. If you receive `OPERATION_TOO_LARGE`, refactor your query to return or scan a smaller amount of data.

When querying for events with a specific due date, you must filter on both the `ActivityDateTime` and `ActivityDate` fields. For example to find all events with a due date of February 14, 2003, you need two filters:

- One filter with the `ActivityDate` field equal to the Coordinated Universal Time (UTC) time zone on February 14, 2003.
- One filter with the `ActivityDateTime` field greater than or equal to midnight on February 14, 2003 in the user's local time zone AND less than or equal to midnight on February 15, 2003 in the user's local time zone.

Alternatively, in version 13.0 and later, you can find events with a specific due date by filtering on `StartDateTime`. For example, to find all events with a due date of February 14, 2003, filter with the `StartDateTime` greater than or equal to midnight on February 14, 2003 in the user's local time zone AND less than or equal to midnight on February 15, 2003 in the user's local time zone.

The `EventId` field of an EventRelation object always points to the master record. An invitee on a group event can query the EventRelation object to view the master record.

Multiday Events

- Multiday events are available in version 13.0 and later. Also, in earlier versions SOQL queries do not return multiday events.
- Multiday events are enabled through the user interface from Setup by entering *`Activity Settings`* in the `Quick Find` box, then selecting **Activity Settings**.
- If the multiday event feature is enabled, then API versions 13.0 and later support values greater than 1440 for the `DurationInMinutes` field. API versions 12.0 and earlier can't access event objects whose `DurationInMinutes` is greater than 1440.
- Multiday events can't exceed 14 days.

Recurring Events

- Recurring events are available in version 7.0 and later.
- After an event is created, it can't be changed from recurring to nonrecurring or vice versa.
- When you delete a recurring event series through the API, all past and future events in the series are removed. However, when you delete a recurring event series through the user interface, only future occurrences are removed.

- When creating a recurring event series, the duration of the event must be 24 hours or less (either the `DurationInMinutes` or the difference between `RecurrenceStartDateTime` and `EndDateTime` must be greater than 24 hours). Once the recurring event series is created, you can extend the length of individual occurrences beyond 24 hours if Multiday events are enabled; see **Multiday Events**.
- If `IsRecurrence` is `true`, then `RecurrenceStartDateTime`, `RecurrenceEndDateOnly`, `RecurrenceType`, and any properties associated with the given recurrence type (see the following table) must be populated.
- When updating a recurring event series, it's not possible to update the EventRelation for the event series object and the EventRelation for the series object occurrences at the same time.

The following table describes the usage of recurrence fields. Each recurrence type must have all of its properties set. All unused properties must be set to null.

RecurrenceType Value	Properties	Example Pattern
RecursDaily	RecurrenceInterval	Every second day
RecursEveryWeekday	RecurrenceDayOfWeekMask	Every weekday - can't be Saturday or Sunday
RecursMonthly	RecurrenceDayOfMonth RecurrenceInterval	Every second month, on the third day of the month
RecursMonthlyNth	RecurrenceInterval RecurrenceInstance RecurrenceDayOfWeekMask	Every second month, on the last Friday of the month
RecursWeekly	RecurrenceInterval RecurrenceDayOfWeekMask	Every three weeks on Wednesday and Friday
RecursYearly	RecurrenceDayOfMonth RecurrenceMonthOfYear	Every March on the twenty-sixth day of the month
RecursYearlyNth	RecurrenceDayOfWeekMask RecurrenceInstanceRecurrenceMonthOfYear	The first Saturday in every October

JunctionIdList

To create an event using `JuncionIdList`, IDs are pulled from the related contacts and both the event and the `EventRelation` records are created in one API call. If the `EventRelation` fails, the event is rolled back because it's all done in a single API call.

```
public void createEventNew(Contact[] contacts) {
 String[] contactIds = new String[contacts.size()];
 for (int i = 0; i < contacts.size(); i++) {
  contactIds[i] = contacts[i].getID();
 }
 Event event = new Event();
 event.setSubject("New Event");
 event.setEventWhoIds(contactIds);
 SaveResult[] results = null;
 try {
  results = connection.create(new Event[] {
   task
  });
 } catch (ConnectionException ce) {
  ce.printStackTrace();
```

```
    }
}
```

SEE ALSO:

Object Basics

EventFeed

Represents a single feed item in the feed on an Event. This object is available in API version 20.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of EventFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two

Field	Details
	comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.

Field	Details
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort

Field	Details
	Description Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.

Field	Details
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the event record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • ActivityEvent—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • AdvancedTextPost—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • AnnouncementPost—Not used. • ApprovalPost—generated when a user submits an approval.

Field	Details
	• `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization.

Field	Details
	`Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for an event record. You can only delete a feed if you created it, or if you have the "Modify All Data" permission.

EventLogFile

Represents event log files for event monitoring. The event monitoring product gathers information about your Salesforce org's operational events, which you can use to analyze usage trends and user behavior. This object is available in API version 32.0 and later. The `Interval` and `Sequence` fields are available only in API version 37.0 and later.

You can interact with event monitoring data by querying fields on the EventLogFile object (like `EventType` and `LogDate`). `CreatedDate` tracks when the log file was generated. To view the underlying event data, query the `LogFile` field. The `EventType` determines the schema of this field. For more information, see EventLogFile Supported Event Types.

Note: Log data schema for each `EventType` can change. With each new release, use the `LogFileFieldNames` and `LogFileFieldTypes` fields to validate the schema changes. In the unlikely case in which no log files are generated for 24 hours, contact Salesforce Customer Support.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Special Access Rules

Accessing this object requires View Event Log Files and API Enabled user permissions. Users with View All Data permission can view event log files.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`EventType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The event type—API, Login, Report, URI, and so forth. Use to determine which files were generated for your org. For the corresponding `LogFile` schema, see EventLogFile Supported Event Types.
`Interval`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The generation schedule for the event log file. Possible values are: • `Daily` • `Hourly` This field is available in API version 37.0 and later.
`LogDate`	**Type** dateTime **Properties** Filter, Sort **Description** The date and time of the log file's creation. For daily event log files, tracks usage activity for a 24-hour period, from 12:00 a.m. to 11:59 p.m. UTC time. For hourly event log files, indicates the hour in which the log file was generated. For example, for events that occur between 11:00 AM and 12:00 PM on 3/7/2016, this field's value is 2016-03-07T11:00:00.000Z. Note: For hourly event log files, we recommend using `CreatedDate` to query the date and time that an EventLogFile object was created.
`LogFile`	**Type** base64 **Description** Encoded file data in `.csv` format. The `EventType` field defines the schema for this data.
`LogFileContentType`	**Type** string

Field	Details
	Properties Filter, Group, Sort **Description** The content type of the log file; always `.csv`.
`LogFileFieldNames`	**Type** string **Properties** Nillable **Description** The ordered list of fields in the log file data. Note: `LogFileFieldNames` and `LogFileFieldTypes` are specific to each `EventType`. For example, `LogFileFieldNames` has a different value for an API `EventType` and a Login `EventType`.
`LogFileFieldTypes`	**Type** string **Properties** Nillable **Description** The ordered list of field types in the log file data (`String`, `Id`, and so forth). Note: `LogFileFieldNames` and `LogFileFieldTypes` are specific to each `EventType`. For example, `LogFileFieldTypes` has a different value for an API `EventType` and a Login `EventType`.
`LogFileLength`	**Type** double **Properties** Filter, Sort **Description** The log file length in bytes. You can use this field to plan storage needs for your log files.
`Sequence`	**Type** int **Properties** Filter, Group, Sort **Description** The number for the portion of the event log file data captured in an hour. For 24-hour event log file generation, the value of this field is 0. For hourly event log files, the initial value is 1 and increases by 1 when events are added in the same hour after the latest event log file is created. The value resets to 1 in the subsequent hour. For example, you have activity between 2:00 and 3:00 PM. Two log files are generated that contain the event log data for that hour,

Field	Details
	with Sequence values of 1 and 2. For event log data that occurs at 3:01 PM, the Sequence value resets to 1. This field is available in API version 37.0 and later.

EventLogFile Supported Event Types

The EventType field in the EventLogFile object supports these events. Some common fields, such as CPU_TIME and RUN_TIME, can have null or zero values depending on how the events are generated for a given feature.

EventLogFile Supported Event Types

The EventType field in the EventLogFile object supports these events. Some common fields, such as CPU_TIME and RUN_TIME, can have null or zero values depending on how the events are generated for a given feature.

Note: The Insecure External Assets, Login, and Logout events are available in supported Salesforce editions at no additional cost. Contact Salesforce to purchase the remaining event types.

Apex Callout Event Type

Apex Callout events contain details about callouts (external requests) during Apex code execution.

Apex Execution Event Type

Apex Execution events contain details about Apex classes that are used.

Apex SOAP Event Type

Apex SOAP events contain details about Web Services API calls.

Apex Trigger Event Type

Apex Trigger events contain details about triggers that fire in an organization.

API Event Type

API events contain details about your organization’s web services API activity.

Asynchronous Report Run Event Type

Asynchronous Report Run events are created for reporting requests that are scheduled. This category includes dashboard refreshes, asynchronous reports, schedule reports, and analytics snapshots.

Bulk API Event Type

Bulk API events contain details about Bulk API requests.

Change Set Operation Event Type

Change Set Operation events contain information from change set migrations.

Console Event Type

Console events contain information about the performance and use of Salesforce Consoles. The Console events are logged whenever a Console tab is opened with a sidebar component. Outside of that, when Console tabs are opened, a regular view record detail event is served just like in Salesforce Classic.

Content Distribution Event Type

Content Distribution events contain information about content distributions and deliveries to users.

Content Document Link Event Type

Content Document Link events contain sharing information for content documents.

Content Transfer Event Type

Content Transfer events contain information about content transfer events, such as downloads, uploads, and previews. This information includes events performed on files and attachments to records.

Continuation Callout Summary Event Type

Continuation Callout Summary events contain information about all of the asynchronous callouts performed during a transaction, their response status codes, execution times, and URL endpoint destinations. This event type is available in the EventLogFile object in API version 43.0 and later.

Dashboard Event Type

Dashboard events contain details about dashboards that users view.

Document Attachment Downloads Event Type

Document Attachment Downloads events contain details of document and attachment downloads.

External Cross-Org Callout Event Type

External Cross-Org Callout events represent external data callouts via the cross-org adapter for Salesforce Connect. This event type is available in the EventLogFile object in API version 40.0 and later.

External Custom Apex Callout Event Type

External Custom Apex Callout events represent external data callouts via custom adapters for Salesforce Connect This event type is available in the EventLogFile object in API version 40.0 and later.

External OData Callout Event Type

External OData Callout events represent external data callouts via the OData 2.0 and OData 4.0 adapters for Salesforce Connect. This event type is available in the EventLogFile object in API version 40.0 and later.

Insecure External Assets Event Type

Insecure External Assets events contain information about external assets, such as images or videos, accessed by users over an insecure HTTP protocol. The event lists all your Salesforce pages that contain insecure assets hosted on third-party sites that your users loaded with a Chrome, Firefox, Microsoft Edge, or Safari browser. This event type is available in the EventLogFile object in API version 42.0 and later.

Knowledge Article View Event Type

Knowledge Article View events contain user activity with your knowledge base.

Lightning Error Event Type

Lightning Error events represent errors that occurred during user interactions with Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

Lightning Interaction Event Type

Lightning Interaction events track user interactions with Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

Lightning Page View Event Type

Lightning Page View events represent information about the page on which the event occurred in Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

Lightning Performance Event Type

Lightning Performance events track trends in your Lightning Experience performance. This event type is available in the EventLogFile object in API version 39.0 and later.

Login Event Type

Login events contain details about your org's user login history.

Login As Event Type

Login As events contain details about what a Salesforce admin did while logged in as another user.

Logout Event Type

Logout events contain details of user logouts.

Metadata API Operation Event Type

Metadata API Operation events contain details of Metadata API retrieval and deployment requests.

Multiblock Report Event Type

Multiblock Report events contain details about Joined Report reports.

Package Install Event Type

Package Install events contain details about package installation in the organization.

Platform Encryption Event Type

Platform Encryption event contains information about tenant secret and derived encryption key usage. This event type is available in API versions 41.0 and later.

Queued Execution Event Type

Queued Execution events contain details about queued executions—for example, batch Apex.

Report Event Type

Report events contain information about what happened when a user ran a report.

Report Export Event Type

Report Export events contain details about reports that a user exported.

REST API Event Type

REST API events contain details about REST-specific requests.

Sandbox Event Type

Sandbox events contain details about sandbox copies.

Search Event Type

Search events contain details about the user's search query. All searches within the app, including Communities, are included. However, unauthenticated users won't have a unique Salesforce user ID.

Search Click Event Type

Search Click events contain details about the user's interaction with the search results. All searches within the app, including Communities, are included. However, unauthenticated users won't have a unique Salesforce user ID.

Sites Event Type

Sites events contain details of Site.com requests. Requests can originate from the browser (UI).

Time-Based Workflow Event Type

Time-Based Workflow events contain details about queue activity monitoring.

Transaction Security Event Type

Transaction Security events contain details about policy execution.

URI Event Type

URI events contain details about user interaction with the web browser UI.

Visualforce Event Type

Visualforce events contain details of Visualforce requests. Requests can originate from the browser (UI).

Wave Change Event Type

Wave Change events represent route or page changes made in the Salesforce Analytics user interface.

Wave Interaction Event Type

Wave Interaction events track user interactions with the Analytics user interface made via the browser.

Wave Performance Event Type
Wave Performance events help you track trends in your Analytics performance.

SEE ALSO:
EventLogFile

Apex Callout Event Type

Apex Callout events contain details about callouts (external requests) during Apex code execution.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
LOGIN_KEY	**Type** String

	Description The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`METHOD`	**Type** String **Description** The HTTP method of the callout. **Example** `GET`, `POST`, `PUT`, and so on.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_SIZE`	**Type** Number **Description** The size of the callout request body, in bytes.
`RESPONSE_SIZE`	**Type** Number **Description** The size of the callout response, in bytes.
`RUN_TIME`	**Type** Number

	Description Not used for this event type. Use the `TIME` field instead.
`SESSION_KEY`	**Type** String **Description** The user’s unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`SUCCESS`	**Type** Boolean **Description** 1 if the request was successful, and 0 if not.
`TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds (ms).
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TYPE`	**Type** String **Description** The type of Apex callout. **Example** REST or AJAX

URI	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
URL	**Type** String **Description** The callout endpoint URL. **Example** `www.salesforce.com`
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Apex Execution Event Type

Apex Execution events contain details about Apex classes that are used.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CALLOUT_TIME`	**Type** Number **Description** The execution time of the external Apex calls.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`ENTRY_POINT`	**Type** String **Description** The entry point for this Apex execution. **Example** • `GeneralCloner.cloneAndInsertRecords`

	• `VF- /apex/CloneUser`
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`EXEC_TIME`	**Type** Number **Description** The end-to-end Apex execution time.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`NUMBER_SOQL_QUERIES`	**Type** Number **Description** The number of SOQL queries that were executed during the event.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`QUIDDITY`	**Type** String **Description** The type of outer execution associated with this event. **Example** • `A`–Old Batch

Field	Details
	• `C`–Scheduled Apex • `E`–Inbound Email Service • `F`–Future • `H`–Apex REST • `I`–Invocable Action • `K`–Quick Action • `L`–Aura • `M`–Remote Action • `P`–Parallel Batch Apex • `Q`–Queuable • `R`–Synchronous • `S`–Serial Batch Apex • `T`–Apex Tests • `V`–Visualforce • `W`–SOAP Webservices • `X`–Execute Anonymous
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String

Field	Details
	Description The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that’s receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that’s receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who’s using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who’s using Salesforce services through the UI or the API.

	Example `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Apex SOAP Event Type

Apex SOAP events contain details about Web Services API calls.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLASS_NAME`	**Type** String **Description** The Apex class name. If the class is part of a managed package, this string includes the package namespace.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CLIENT_NAME`	**Type** String **Description** The name of the client that's using Salesforce services. This field is an optional parameter that can be passed in API calls. If blank, the caller didn't specify a client in the CallOptions header.
`CPU_TIME`	**Type** Number

	Description The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LIMIT_USAGE_PERCENT`	**Type** Number **Description** The percentage of Apex SOAP calls that were made against the organization's limit.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`METHOD_NAME`	**Type** String **Description** The name of the calling Apex method.
`ORGANIZATION_ID`	**Type** Id

	Description The 15-character ID of the organization. **Example** 00D000000000123
`QUERY`	**Type** String **Description** The SOQL query, if one was performed.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started.

	Example d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id

Field	Details
	Description The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Apex Trigger Event Type

Apex Trigger events contain details about triggers that fire in an organization.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.

`ENTITY_NAME`	**Type** String **Description** The name of the object affected by the trigger.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`EXEC_TIME`	**Type** Number **Description** The end-to-end Apex execution time.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV

REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error • R: Redirect • N: Not Found
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ) **Example** 2015-07-27T11:32:59.555Z

`TRIGGER_ID`	**Type** String **Description** The 15-character ID of the trigger that was fired.
`TRIGGER_NAME`	**Type** String **Description** The name of the trigger that was fired.
`TRIGGER_TYPE`	**Type** String **Description** The type of this trigger. **Possible Values** • AfterInsert • AfterUpdate • BeforeInsert • BeforeUpdate
`URI`	**Type** String **Description** The URI of the page that’s receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that’s receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who’s using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id

Field	Details
	Description The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

API Event Type

API events contain details about your organization's web services API activity.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`API_TYPE`	**Type** String **Description** The type of API request. **Possible Values** • `D`: Apex Class • `E`: SOAP Enterprise • `I`: SOAP Cross Instance • `M`: SOAP Metadata • `O`: Old SOAP • `P`: SOAP Partner • `S`: SOAP Apex • `T`: SOAP Tooling • `X`: XmlRPC • `f`: Feed • `l`: Live Agent • `p`: SOAP ClientSync
`API_VERSION`	**Type** String **Description** The version of the API that's being used.

	Example 36.0
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CLIENT_NAME`	**Type** String **Description** The name of the client that's using Salesforce services. This field is an optional parameter that can be passed in API calls. If blank, the caller didn't specify a client in the CallOptions header.
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_BLOCKS`	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.
`DB_CPU_TIME`	**Type** Number **Description** Allows you to monitor trends in database uptime.
`DB_TOTAL_TIME`	**Type** Number

Field	Details
	Description The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`ENTITY_NAME`	**Type** Set **Description** API objects that are accessed. **Example** Account, Opportunity, Contact, and so on.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`METHOD_NAME`	**Type** String **Description** The name of the calling Apex method.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String

	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_SIZE`	**Type** Number **Description** The size of the callout request body, in bytes.
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`RESPONSE_SIZE`	**Type** Number **Description** The size of the callout response, in bytes.
`ROWS_PROCESSED`	**Type** Number **Description** The number of rows that were processed in the request. **Example** 150
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.

`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API.

Field	Details
	Example 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Asynchronous Report Run Event Type

Asynchronous Report Run events are created for reporting requests that are scheduled. This category includes dashboard refreshes, asynchronous reports, schedule reports, and analytics snapshots.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
AVERAGE_ROW_SIZE	**Type** Number **Description** The average row size of all rows in the Asynchronous Report Run event, in bytes. A large average size, coupled with a high ROW_COUNT, can indicate that a user is downloading information for fraudulent purposes. For example, a salesperson who downloads all sales leads before departing for a competitor. **Example** 700
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP".

	Example 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DASHBOARD_ID`	**Type** String **Description** The 15-character ID of the dashboard that was run.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`DB_BLOCKS`	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.
`DB_CPU_TIME`	**Type** Number **Description** Allows you to monitor trends in database uptime.
`DISPLAY_TYPE`	**Type** String **Description** The report display type, indicating the run mode of the report. **Possible Values** • `D`: Dashboard • `S`: Show Details • `H`: Hide Details

ENTITY_NAME	**Type** String **Description** The name of the object affected by the trigger.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
NUMBER_BUCKETS	**Type** Number **Description** The number of buckets that were used in the report.
NUMBER_COLUMNS	**Type** Number **Description** The number of columns in the report.
NUMBER_EXCEPTION_FILTERS	**Type** Number **Description** The number of exception filters that are used in the report.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123

RENDERING_TYPE	**Type** String **Description** The report rendering type, describing the format of the report output. **Possible Values** • W: Web (HTML) • E: Email • P: Printable • X: Excel • C: Comma-separated values (CSV) • J: JavaScript Object Notation (JSON)
REPORT_ID	**Type** Id **Description** The 15-character ID of the report that was run.
REPORT_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the report that was run.
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error

	• `R`: Redirect • `N`: Not Found
`ROW_COUNT`	**Type** Number **Description** The number of rows that were processed in the Asynchronous Report Run event. High row counts, coupled with a high `AVERAGE_ROW_SIZE`, can indicate that a user is downloading information for fraudulent purposes. For example, a salesperson who downloads all sales leads before departing for a competitor. **Example** 150
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`SORT`	**Type** String **Description** The sort column and order that was used in the report.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime

	Description The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Bulk API Event Type

Bulk API events contain details about Bulk API requests.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`BATCH_ID`	**Type** String **Description** The 15-character ID of the Bulk API batch.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`ENTITY_TYPE`	**Type** String **Description** The type of entity that the Bulk API used.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`JOB_ID`	**Type** String **Description** The 15-character ID of the Bulk API job.

`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`MESSAGE`	**Type** EscapedString **Description** Any success or error message that's associated with the request.
`NUMBER_FAILURES`	**Type** Number **Description** The number of failures that were returned with the request.
`OPERATION_TYPE`	**Type** String **Description** The type of Bulk API operation that was performed.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`ROWS_PROCESSED`	**Type** Number

	Description The number of rows that were processed in the request. **Example** 150
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
SUCCESS	**Type** Boolean **Description** Whether the batch was successful.
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
URI	**Type** String **Description** The URI of the page that's receiving the request.

	Example `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Change Set Operation Event Type

Change Set Operation events contain information from change set migrations.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CHANGE_SET_NAME`	**Type** String **Description** The name of the change set.

`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`OPERATION`	**Type** String **Description** The operation that's being performed. **Possible Values** • DELETE • DEPLOY • UPLOAD • VALIDATE

ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TARGET_ORG_ID	**Type** Id **Description** The 15-character ID of the organization that's receiving the change set.
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670

`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types
EventLogFile

Console Event Type

Console events contain information about the performance and use of Salesforce Consoles. The Console events are logged whenever a Console tab is opened with a sidebar component. Outside of that, when Console tabs are opened, a regular view record detail event is served just like in Salesforce Classic.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
COMPONENT_ID	**Type** Id **Description** The 15-character ID of the component.
COMPONENT_ID_DERIVED	**Type** Id **Description** The 18-character, case-insensitive ID of the component.
CONSOLE_ID	**Type** Id **Description** The 15-character ID of the console.
CONSOLE_ID_DERIVED	**Type** Id **Description** The 18-character, case-insensitive ID of the console.
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the

	app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LICENSE_CONTEXT`	**Type** String **Description** The license context in which a user is using a console. **Example** service, salesandservice, sales
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`RECORD_ID`	**Type** Id

Field	Details
	Description The 15-character ID of the record that's associated with the console.
RECORD_ID_DERIVED	**Type** Id **Description** The 18-character, case-insensitive ID of the record that's associated with the console.
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error • R: Redirect • N: Not Found
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started.

	Example d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id

Field	Details
	Description The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Content Distribution Event Type

Content Distribution events contain information about content distributions and deliveries to users.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`ACTION`	**Type** String **Description** The action that's used when a delivery is viewed. **Possible Values** • `VIEW` • `INSERT` • `UPDATE`
`DELIVERY_ID`	**Type** Id **Description** The 15-character ID of the content delivery.
`DELIVERY_LOCATION`	**Type** String **Description** The location of the delivery.
`EVENT_TYPE`	**Type** String **Description** The type of event.

	Example `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`RELATED_ENTITY_ID`	**Type** Id **Description** The 15-character ID of the record that's associated with the delivery distribution.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id

Field	Details
	Description The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
VERSION_ID	**Type** Id **Description** The 15-character ID of the content version.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Content Document Link Event Type

Content Document Link events contain sharing information for content documents.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
DOCUMENT_ID	**Type** Id **Description** The 15-character ID of the document that's being shared.
EVENT_TYPE	**Type** String **Description** The type of event.

	Example ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
SHARED_WITH_ENTITY_ID	**Type** Id **Description** Who the document was shared with.
SHARING_OPERATION	**Type** String **Description** The type of sharing operation on the document. **Possible Values** • INSERT • UPDATE • DELETE
SHARING_PERMISSION	**Type** String **Description** What permissions the document was shared with. **Possible Values** • V: Viewer • C: Collaborator

	• `I`: Inferred—that is, the sharing permissions were inferred from a relationship between the viewer and document. For example, a document's owner has a sharing permission to the document itself. Or, a document can be a part of a content collection, and the viewer has sharing permissions to the collection rather than explicit permissions to the the document directly.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Content Transfer Event Type

Content Transfer events contain information about content transfer events, such as downloads, uploads, and previews. This information includes events performed on files and attachments to records.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
DOCUMENT_ID	**Type** Id **Description** The 15-character ID of the document that's being shared.
DOCUMENT_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the document that's being shared.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
FILE_PREVIEW_TYPE	**Type** String **Description** The content type of the file version.
FILE_TYPE	**Type** String **Description** The content type of the file preview.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization.

Field	Details
	Example 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`SIZE_BYTES`	**Type** Number **Description** The size of the file transfer, in bytes.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TRANSACTION_TYPE`	**Type** String **Description** The operation that was performed, including operations on files and attachments to records. For example, you can track operations in the Attachments related list on a case. **Possible Values** • `VersionDownloadAction` and `VersionDownloadApi` represent downloads via the user interface and API respectively.

	• `VersionRenditionDownload` represents a file preview action. • `saveVersion` represents a file that's being uploaded.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `0059000000I1SNIA0`
`VERSION_ID`	**Type** Id **Description** The 15-character ID of the content version.
`VERSION_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the content version.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Continuation Callout Summary Event Type

Continuation Callout Summary events contain information about all of the asynchronous callouts performed during a transaction, their response status codes, execution times, and URL endpoint destinations. This event type is available in the EventLogFile object in API version 43.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or the REST API Developer's Guide.

Fields

Field	Details
CONTINUATION_ID	**Type** String **Description** A unique ID identifying a sequence of events within a request. **Example** SFDC-Continuation-14e3cg85-961d-389e-7bz1-3d171543162a
DURATION	**Type** Number **Description** Total duration of continuation, in milliseconds.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
ORIGIN_REQUEST_ID	**Type** Id **Description** The ID of the request that initiated a callout. **Example** TID:5ILoVKlztX_rDDJcp7
REQUEST_FORM_SIZE	**Type** String **Description** Continuation request form size, in bytes. Depending on how many HTTP requests were used in a continuation, this field can contain up to three space-separated values.

Field	Details
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RESPONSE_SIZE	**Type** String **Description** The size of the callout response, in bytes. Depending on how many HTTP requests were used in a continuation, this field can contain up to three space-separated values.
STATUS_CODE	**Type** String **Description** The HTTP status or internal code returned by the remote endpoint. A status code of 200 indicates that the request was successful. Other status code values indicate the type of problem that was encountered. Depending on how many HTTP requests were used in a continuation, this field can contain up to three space-separated values. **Examples** • 2000—The timeout was reached, and the server didn't get a chance to respond. • 2001—There was a connection failure. • 2002—Exceptions occurred. • 2003—The response hasn't arrived (which also means that the Apex asynchronous callout framework hasn't resumed). • 2004—The response size is too large (greater than 1 MB).
SUCCESS	**Type** Boolean **Description** Indicates whether the continuation was successful (1) or not (0).
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670

Field	Details
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ) **Example** 2015-07-27T11:32:59.555Z
URL	**Type** String **Description** The callout endpoint URL. Depending on how many HTTP requests were used in a continuation, this field can contain up to three space-separated values. **Example** http://prod.location.amazonaws.com:1000/orders/order/_search
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0
VF_CONTROLLER_SIZE	**Type** String **Description** Continuation Visualforce controller size, in bytes. Depending on how many HTTP requests were used in a continuation, this field can contain up to three space-separated values.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Dashboard Event Type

Dashboard events contain details about dashboards that users view.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DASHBOARD_COMPONENT_ID	**Type** Id **Description** The 15-character ID of the dashboard component.
DASHBOARD_ID	**Type** String **Description** The 15-character ID of the dashboard that was run.
DASHBOARD_ID_DERIVED	**Type** String **Description** The 18-character case insensitive ID of the dashboard that was run.
DASHBOARD_TYPE	**Type** String

	Description The type of dashboard. **Possible Values** • `R`: Run as running user • `C`: Run as context user • `S`: Run as specific user
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`IS_SCHEDULED`	**Type** Boolean **Description** The value is `true` if the dashboard is a scheduled dashboard.
`IS_SUCCESS`	**Type** Boolean **Description** 1 if the dashboard component ran successfully, 0 if it didn't.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REPORT_ID`	**Type** Id

	Description The 15-character ID of the report that was run.
`REPORT_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the report that was run.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user’s unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`)

	Example `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Document Attachment Downloads Event Type

Document Attachment Downloads events contain details of document and attachment downloads.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
ENTITY_ID	**Type** Id **Description** The 15-character ID of the entity that's associated with the document or attachment.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
FILE_TYPE	**Type** String **Description** The type of the file or attachment.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
TIMESTAMP	**Type** String **Description** The access time of Salesforce services.

	Example `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

External Cross-Org Callout Event Type

External Cross-Org Callout events represent external data callouts via the cross-org adapter for Salesforce Connect. This event type is available in the EventLogFile object in API version 40.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer Guide.

Note: For the cross-org adapter for Salesforce Connect, event monitoring currently doesn't track search callouts.

Fields

Field	Details
ACTION	**Type** String **Description** Action performed by the callout. **Possible Values** • query • upsert • delete
ENTITY	**Type** String **Description** Name of the external object being accessed. **Example** Order
EVENT_TYPE	**Type** String **Description** Type of event. Value is always ExternalCrossOrgCallout.
EXECUTE_MS	**Type** Number **Description** How long it took (in milliseconds) for Salesforce to prepare and execute the query. Available in API version 42.0 and later. **Example** 1
FETCH_MS	**Type** Number **Description** How long it took (in milliseconds) to retrieve the query results from the external system. Available in API version 42.0 and later. **Example** 452
FILTER	**Type** Text

Field	Details
	Description Field expressions to filter which rows to return. Corresponds to `WHERE` in SOQL queries. **Example** WHERE CustomerId='123456'
`HAVING`	**Type** Text **Description** Reserved for future use.
`LIMIT`	**Type** Number **Description** Maximum number of rows to return for a query. Corresponds to `LIMIT` in SOQL queries. **Example** 200
`MESSAGE`	**Type** String **Description** Error or warning message associated with the failed query callout. Value is always empty for upsert and delete callouts. **Example** System.UnexpectedException: Query is either selecting too many fields or the filter conditions are too complicated
`OFFSET`	**Type** Number **Description** Number of rows to skip when paging through a result set. Corresponds to `OFFSET` in SOQL queries. If a SOQL query doesn't define an `OFFSET`, the value is -1. **Example** 0 (default)
`ORDERBY`	**Type** String **Description** Field or column to use for sorting query results, and whether to sort the results in ascending (default) or descending order. Corresponds to `ORDER BY` in SOQL queries.

Field	Details
	Examples • ORDER BY ShipName • ORDER BY ShipName DESC
ORGANIZATION_ID	**Type** Id **Description** 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** Unique ID of a transaction. A transaction can contain one or more events. All events in a transaction have the same REQUEST_ID. **Example** 4A13-HSKv3CKs-0FKfceaV
ROWS	**Type** Number **Description** Total number of records in the result set. Value is always 0 for upsert and delete callouts. **Example** 200
ROWS_FETCHED	**Type** Number **Description** Reserved for future use.
SELECT	**Type** String **Description** Comma-separated list of fields being queried. Corresponds to `SELECT` in SOQL queries. **Example** SELECT Id,Name,CustomerID,OrderDate
STATUS	**Type** Boolean

Field	Details
	Description Whether the query was successful. Value is always empty for upsert and delete callouts. **Possible Values** • 1—Success • 0—Failed
SUBQUERIES	**Type** Number **Description** The number of subqueries that the query is split into.
THROUGHPUT	**Type** Number **Description** Reserved for future use.
TIMESTAMP	**Type** String **Description** When the event occurred. **Example** 20150101000000.000
TIMESTAMP_DERIVED	**Type** DateTime **Description** When the event occurred in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ). **Example** 2015-07-27T11:32:59.555Z
TOTAL_MS	**Type** Number **Description** How long it took (in milliseconds) to prepare and execute the query and to retrieve the query results. **Example** 453
USER_ID	**Type** Id

Field	Details
	Description 15-character ID of the user accessing the external system. **Example** 00530000009M943
USING_MRU	**Type** Boolean **Description** Reserved for future use.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

External Custom Apex Callout Event Type

External Custom Apex Callout events represent external data callouts via custom adapters for Salesforce Connect This event type is available in the EventLogFile object in API version 40.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer Guide.

Fields

Field	Details
ACTION	**Type** String **Description** Action performed by the callout. **Possible Values** • query • upsert • delete
ENTITY	**Type** String **Description** Name of the external object being accessed. **Example** Order

Field	Details
EVENT_TYPE	**Type** String **Description** Type of event. Value is always ExternalCustomApexCallout.
EXECUTE_MS	**Type** Number **Description** How long it took (in milliseconds) for Salesforce to prepare and execute the query. Available in API version 42.0 and later. **Example** 102
FETCH_MS	**Type** Number **Description** How long it took (in milliseconds) to retrieve the query results from the external system. Available in API version 42.0 and later. **Example** 607
FILTER	**Type** Text **Description** Field expressions to filter which rows to return. Corresponds to `WHERE` in SOQL queries. **Example** Filter:[columnName=CustomerID, columnValue=537, subfilters=null, tableName=Order, type=EQUALS]
LIMIT	**Type** Number **Description** Maximum number of rows to return for a query. Corresponds to `LIMIT` in SOQL queries. **Example** 200
MESSAGE	**Type** String **Description** Error or warning message associated with the failed call.

Field	Details
	Example System.UnexpectedException: Query is either selecting too many fields or the filter conditions are too complicated
`OFFSET`	**Type** Number **Description** Number of rows to skip when paging through a result set. Corresponds to `OFFSET` in SOQL queries. **Example** 0 (default)
`ORDERBY`	**Type** String **Description** Field or column to use for sorting query results, and whether to sort the results in ascending (default) or descending order. Corresponds to `ORDER BY` in SOQL queries. **Examples** (Order:[columnName=OrderDate, direction=ASCENDING, tableName=Order])
`ORGANIZATION_ID`	**Type** Id **Description** 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** Unique ID of a transaction. A transaction can contain one or more events. All events in a transaction have the same REQUEST_ID. **Example** 4A13-HSKv3CKs-0FKfceaV
`ROWS`	**Type** Number **Description** Total number of records in the result set. The value is always -1 if the custom adapter’s `DataSource.Provider` class doesn’t declare the `QUERY_TOTAL_SIZE` capability.

Field	Details
	Example 200
`ROWS_FETCHED`	**Type** Number **Description** Number of rows fetched by the callout. Available in API version 42.0 and later. **Example** 200
`SELECT`	**Type** String **Description** Comma-separated list of fields being queried. Corresponds to `SELECT` in SOQL queries. **Example** (ColumnSelection:[aggregation=NONE, columnName=Name, tableName=Order], ColumnSelection:[aggregation=NONE, columnName=CustomerID, tableName=Order], ColumnSelection:[aggregation=NONE, columnName=OrderDate, tableName=Order])
`STATUS`	**Type** Boolean **Description** Whether the query was successful. **Possible Values** • 1—Success • 0—Failed • Empty—Failed with no logged status or message
`THROUGHPUT`	**Type** Number **Description** Number of records retrieved in one second. **Example** 302.57
`TIMESTAMP`	**Type** String **Description** When the event occurred. **Example** 20150101000000.000

Field	Details
SUBQUERIES	**Type** Number **Description** Reserved for future use.
TIMESTAMP_DERIVED	**Type** DateTime **Description** When the event occurred in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ). **Example** 2015-07-27T11:32:59.555Z
TOTAL_MS	**Type** Number **Description** How long it took (in milliseconds) to prepare and execute the query and to retrieve the query results. **Example** 709
USER_ID	**Type** Id **Description** 15-character ID of the user accessing the external system. **Example** 00530000009M943

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

External OData Callout Event Type

External OData Callout events represent external data callouts via the OData 2.0 and OData 4.0 adapters for Salesforce Connect. This event type is available in the EventLogFile object in API version 40.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer Guide.

Fields

Field	Details
ACTION	**Type** String **Description** Action performed by the callout. **Possible Values** • query • upsert • delete
BYTES	**Type** Number **Description** Size of the result set in bytes.
ENTITY	**Type** String **Description** Name of the external object being accessed. **Example** Order
EVENT_TYPE	**Type** String **Description** Type of event. Value is always ExternalODataCallout.
EXECUTE_MS	**Type** Number **Description** How long it took (in milliseconds) for Salesforce to prepare and execute the query. Available in API version 42.0 and later. **Example** 21
EXPAND	**Type** String **Description** Reserved for future use.

Field	Details
FETCH_MS	**Type** Number **Description** How long it took (in milliseconds) to retrieve the query results from the external system. Available in API version 42.0 and later. **Example** 127
FILTER	**Type** Text **Description** Field expressions to filter which rows to return. Corresponds to `WHERE` in SOQL queries and `$filter` in OData queries. **Example** CustomerID eq 12345
LIBRARY	**Type** String **Description** Reserved for future use.
LIMIT	**Type** Number **Description** Maximum number of rows to return for a query. Corresponds to `LIMIT` in SOQL queries and `$top` in OData queries. **Example** 200
MESSAGE	**Type** String **Description** Error or warning message associated with the failed call. **Example** The OData query result was too large, so the external data didn't load.
NEXT_LINK	**Type** String **Description** OData next link that the callout used to request a subsequent page of rows. A next link is provided in a previous response from the OData producer when the response includes only part of the result set.

Field	Details
	Available in API version 42.0 and later. However, this field isn't supported for the OData 2.0 adapter on orgs created before Spring '18. **Example** http://services.example.org/Warehouse.svc/Orders?$count=true&$select=CustomerID,OrderID,RequiredDate,ShippedDate&$top=301&$skiptoken=10447
`OFFSET`	**Type** Number **Description** Number of rows to skip when paging through a result set. Corresponds to `OFFSET` in SOQL queries and `$skip` in OData queries. **Example** 10
`ORDERBY`	**Type** String **Description** Field or column to use for sorting query results, and whether to sort the results in ascending (default) or descending order. Corresponds to `ORDER BY` in SOQL queries and `$orderby` in OData queries. **Examples** • ShipName • ShipName desc
`ORGANIZATION_ID`	**Type** Id **Description** 15-character ID of the organization. **Example** 00D000000000123
`PARENT_CALLOUT`	**Type** String **Description** If the callout requested a subsequent page of rows, this field identifies the initial callout whose request resulted in the multi-page result set. Available in API version 42.0 and later. However, this field isn't supported for the OData 2.0 adapter on orgs created before Spring '18. **Example** 4EoZtuBzzRIXSk-ysRdf1F-1

Field	Details
PROVIDER_TYPE	**Type** String **Description** Whether the OData 2.0 or OData 4.0 adapter made the callout. **Possible Values** • OData—OData 2.0 adapter • OData4—OData 4.0 adapter
RATE_LIMIT_USAGE_PERCENT	**Type** Number **Description** Consumed percentage of the org's limit of OData callouts per hour. **Example** 2.5—2.5% of the hourly callout limit has been consumed
REQUEST_ID	**Type** String **Description** Unique ID of a transaction. A transaction can contain one or more events. All events in a transaction have the same REQUEST_ID. **Example** 4A13-HSKv3CKs-0FKfceaV
REQUESTS	**Type** Number **Description** Reserved for future use.
ROWS	**Type** Number **Description** Total number of records in the result set. Available in API version 42.0 and later. **Example** 830
ROWS_FETCHED	**Type** Number **Description** Number of records fetched by the callout. The records fetched by a callout can be a subset of a large result set.

Field	Details
	Available in API version 42.0 and later. However, this field isn't supported for the OData 2.0 adapter on orgs created before Spring '18. **Example** 200
`SEARCH`	**Type** String **Description** Search query string. Corresponds to condition expressions in SOSL. **Example** contains(CustomerID,'10248') eq true or contains(ShipName,'10248') eq true
`SELECT`	**Type** String **Description** Comma-separated list of fields being queried. Corresponds to `SELECT` in SOQL queries and `$select` in OData queries. **Example** CustomerID,OrderDate,OrderID,ShipCity,ShipCountry
`STATUS`	**Type** Boolean **Description** Whether the query was successful. **Possible Values** • 1—Success • 0—Failed
`THROUGHPUT`	**Type** Number **Description** Number of records retrieved in one second. Available in API version 42.0 and later. However, this field isn't supported for the OData 2.0 adapter on orgs created before Spring '18. **Example** 3025.67
`TIMESTAMP`	**Type** String **Description** When the event occurred.

Field	Details
	Example 20150101000000.000
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** When the event occurred in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ). **Example** 2015-07-27T11:32:59.555Z
`TOTAL_MS`	**Type** Number **Description** How long it took (in milliseconds) to prepare and execute the query and to retrieve the query results.
`USER_ID`	**Type** Id **Description** 15-character ID of the user accessing the external system. **Example** 00530000009M943

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Insecure External Assets Event Type

Insecure External Assets events contain information about external assets, such as images or videos, accessed by users over an insecure HTTP protocol. The event lists all your Salesforce pages that contain insecure assets hosted on third-party sites that your users loaded with a Chrome, Firefox, Microsoft Edge, or Safari browser. This event type is available in the EventLogFile object in API version 42.0 and later.

Assets over HTTP can be manipulated through man-in-the-middle and other types of attacks. The attacks can trick users into sending their Salesforce credentials to malicious sites. We recommend that you use HTTPS in your custom code and templates for any asset you're loading from external sites.

For details about event monitoring, see the Trailhead Event Monitoring module or the REST API Developer's Guide.

Fields

Field	Details
ASSET_TYPE	**Type** String **Description** Type of insecure asset. **Possible Values** • Base URI • Connect • Font • Frame Ancestor: External page that embeds the Salesforce page in an iframe • Frame • Image • Media • Object • Other • Plugin Types • Script • Style
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DOCUMENT_URI	**Type** String **Description** URL of the page that contains the insecure asset, excluding the query parameter. **Example** https://company.my.salesforce.com/00XXXXXXXXX

Field	Details
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
INSECURE_URI	**Type** String **Description** Insecure external asset URL. **Example** http://pbs.twimg.com/profile_images/5699091412070816/Z4Stwts_normal.jpeg
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** String **Description** The 15-character ID of the org. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.

Field	Details
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
TYPE	**Type** String **Description** Type of Salesforce page. **Possible Values** • `Appserver`: Page without My Domain subdomain (for example, https://na44.salesforce.com) • `Communities`: Customer community • `Email`: Email preview • `Login`: Login page (for example, https://login.salesforce.com) • `Mydomain`: Page on My Domain subdomain (for example, https://mycompany.my.salesforce.com) • `Sites`: Customer site • `Static`: Static content (for example, https://sfdcstatic.com) • `Unknown`: other type of page
UNIQUE_ID	**Type** String

Field	Details
	Description The 32-character ID of the event log file in which the insecure external asset event data is found. **Example** 44e128a5-ac7a-4c9a-be4c-224b6bf81b20
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `0059000000I1SNIA0`

Usage

`UNIQUE_ID` is used by Salesforce Customer Support to troubleshoot any issues that occur.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Knowledge Article View Event Type

Knowledge Article View events contain user activity with your knowledge base.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
ARTICLE_ID	**Type** Id **Description** The 15-character ID of the article. **Example** 00Dxx0000001gEb
ARTICLE_STATUS	**Type** Character **Possible Values** D= Draft O=Online A=Archived
ARTICLE_VERSION	**Type** Number **Description** Article version number **Example** 2
ARTICLE_VERSION_ID	**Type** Id **Description** The 15-character ID of the article version. **Example** ka0R00000005rt6
CONTEXT	**Type** String **Description** Context of the request. **Possible Values** Apex

	`API` Empty String
`ENTITY`	**Type** String **Description** Entity requested. **Example** Knowledge__kav
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LANGUAGE`	**Type** String **Description** iso-code of the language **Example** en_US

`LAST_VERSION`	**Type**
	Boolean
	Description
	true if it is the last version
	Possible Values
	`True`
	`False`

`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String

	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`SESSION_ID`	**Type** String **Description** Session ID of the request. **Example** gV7pCSW2vGaaJNFi3GSpuPIjNbKVbSxRvx34LJsIvuc=
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_TYPE`	**Type** Character **Description** User type of the request **Possible Values** `A` = App

	`C` =Customer Portal `P` = Partner Portal `G` = guest

Lightning Error Event Type

Lightning Error events represent errors that occurred during user interactions with Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`APP_NAME`	**Type** String **Description** The name of the application that the user accessed.
`BROWSER_NAME`	**Type** String **Description** The name of the browser that the user accessed. **Example** Chrome, IE, Safari, Gecko
`BROWSER_VERSION`	**Type** String **Description** The version of the browser that the user accessed in `major.minor version` format. Some browsers don't provide a minor version.
`CLIENT_ID`	**Type** String **Description** The API client ID.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP".

Field	Details
	Example 96.43.144.26
COMPONENT_NAME	**Type** String **Description** The internal name of the component that generated the error. The developer assigned the name when the standard or custom component was created. **Examples** • SaveEdit • Lead.CCPM_sendSMS • ChangeOwnerOne
CONNECTION_TYPE	**Type** String **Description** The type of connection. **Possible Values** • CDMA1x • CDMA • EDGE • EVDO0 • EVDOA • EVDOB • GPRS • HRPD • HSDPA • HSUPA • LTE • WIFI
DEVICE_ID	**Type** String **Description** The unique identifier used to identify a device when tracking events. DEVICE_ID is a generated value that's created when the mobile app is initially run after installation.
DEVICE_MODEL	**Type** String

Field	Details
	Description The name of the device model. **Example** iPad, iPhone
`DEVICE_PLATFORM`	**Type** String **Description** The type of application experience in `name:experience:form` format. **Possible Values** Name • `APP_BUILDER` • `CUSTOM` • `S1` • `SFX` Experience • `BROWSER` • `HYBRID` Form • `DESKTOP` • `PHONE` • `TABLET`
`DEVICE_SESSION_ID`	**Type** Id **Description** The unique identifier of the user's session based on page load time. If the user reloads a page, it starts a new session. **Example** 321a1ddfaf924803a075f1e69fc87bc06f53ccd0
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.

Field	Details
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** String **Description** The 15-character ID of the org. **Example** 00D000000000123
OS_NAME	**Type** String **Description** The operating system name, derived from USER_AGENT. **Example** Android, iOS, OSX, Windows
OS_VERSION	**Type** String **Description** The operating system version, derived from USER_AGENT.
PAGE_APP_NAME	**Type** String **Description** The internal name of the application that the user accessed from the App Launcher. **Example** LightningSales
PAGE_CONTEXT	**Type** String **Description** Context of the page where the event occurred. **Example** clients:cardsContainer

Field	Details
PAGE_ENTITY_ID	**Type** Id **Description** The unique entity identifier of the event. **Example** 0013000000I3zJAAAZ
PAGE_ENTITY_TYPE	**Type** String **Description** The entity type of the event. **Example** Task, Account
PAGE_START_TIME	**Type** Number **Description** The time when the page was initially loaded, measured in milliseconds. **Example** 1471564788642
PAGE_URL	**Type** String **Description** Relative URL of the top-level Lightning Experience or Salesforce mobile app page that the user opened. The page can contain one or more Lightning components. Multiple record IDs can be associated with PAGE_URL. **Example** /sObject/0064100000JXITSAA5/view
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
SDK_APP_TYPE	**Type** String **Description** The mobile SDK application type.

Field	Details
	Possible Values • `HYBRID` • `HYBRIDLOCAL` • `HYBRIDREMOTE` • `NATIVE` • `REACTNATIVE`
`SDK_APP_VERSION`	**Type** String **Description** The mobile SDK application version number. **Example** 5.0
`SDK_VERSION`	**Type** String **Description** The mobile SDK version number. **Example** 2.1.0
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all events in Lightning Experience within a session. When a user logs out and logs in again, a new session is started. **Example** cdd09305cb6babf34059e27f70e47f1b11dec868
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`)

Field	Details
	Example `2015-07-27T11:32:59.555Z`
`UI_EVENT_ID`	**Type** String **Description** ID of the Lightning event type. **Possible Values** • `ltng:error` • `ltng:interaction` • `ltng:pageView` • `ltng:performance`
`UI_EVENT_SEQUENCE_NUM`	**Type** Number **Description** An auto-incremented sequence number of the current event since the session started.
`UI_EVENT_SOURCE`	**Type** String **Description** The event source of the error. This field's value indicates whether the user's action was on a single record or multiple records. For example, `read` indicates that one record was read (such as on a record detail page); `reads` indicates multiple records were read (such as in a list view). **Examples** • click • create • delete • hover • read • update
`UI_EVENT_TIMESTAMP`	**Type** Number **Description** The time at which this event occurred, measured in milliseconds. **Example** 1479769912796

Field	Details
UI_EVENT_TYPE	**Type** String **Description** The type of interaction. **Examples** • crud — Created, read, updated, or deleted the record. • reads — Read multiple records.
USER_AGENT	**Type** String **Description** The numeric code for the type of client used to make the request (for example, browser, application, or API) as a string.
USER_ID	**Type** String **Description** The 15-character ID of the user accessing Salesforce services through the UI or API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case-insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0
USER_TYPE	**Type** String **Description** The category of user license of the user accessing Salesforce services through the UI or API. **Possible Values** • A: Automated Process • b: High Volume Portal • C: Customer Portal User • D: External Who • F: Self Service • G: Guest

Field	Details
	• `L`: Package License Manager • `N`: Salesforce to Salesforce • `n`: CSN Only • `O`: Power Custom • `o`: Custom • `P`: Partner • `p`: Customer Portal Manager • `S`: Standard • `X`: Black Tab User

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Lightning Interaction Event Type

Lightning Interaction events track user interactions with Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`APP_NAME`	**Type** String **Description** The name of the application that the user accessed.
`BROWSER_NAME`	**Type** String **Description** The name of the browser that the user accessed. **Example** Chrome, IE, Safari, Gecko
`BROWSER_VERSION`	**Type** String **Description** The version of the browser that the user accessed in `major.minor version` format. Some browsers don't provide a minor version.

Field	Details
CLIENT_ID	**Type** String **Description** The API client ID.
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
COMPONENT_NAME	**Type** String **Description** The internal name of the component that the user interacted with. The developer assigned the name when the standard or custom component was created. **Examples** • SaveEdit • Lead.CCPM_sendSMS • ChangeOwnerOne
CONNECTION_TYPE	**Type** String **Description** The type of connection. **Possible Values** • CDMA1x • CDMA • EDGE • EVDO0 • EVDOA • EVDOB • GPRS • HRPD • HSDPA • HSUPA • LTE • WIFI

Field	Details
DEVICE_ID	**Type** String **Description** The unique identifier used to identify a device when tracking events. DEVICE_ID is a generated value that's created when the mobile app is initially run after installation.
DEVICE_MODEL	**Type** String **Description** The name of the device model. **Example** iPad, iPhone
DEVICE_PLATFORM	**Type** String **Description** The type of application experience in name:experience:form format. **Possible Values** Name • APP_BUILDER • CUSTOM • S1 • SFX Experience • BROWSER • HYBRID Form • DESKTOP • PHONE • TABLET
DEVICE_SESSION_ID	**Type** Id **Description** The unique identifier of the user's session based on page load time. When the user reloads a page, a new session is started. **Example** 321a1ddfaf924803a075f1e69fc87bc06f53ccd0

Field	Details
DURATION	**Type** Number **Description** The duration in milliseconds since the page start time.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
GRANDPARENT_UI_ELEMENT	**Type** String **Description** Grandparent scope of the page element where the event occurred.
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** String **Description** The 15-character ID of the org. **Example** 00D000000000123
OS_NAME	**Type** String **Description** The operating system name, derived from USER_AGENT. **Example** Android, iOS, OSX, Windows
OS_VERSION	**Type** String

Field	Details
	Description The operating system version, derived from `USER_AGENT`.
`PAGE_APP_NAME`	**Type** String **Description** The internal name of the application that the user accessed from the App Launcher. **Example** LightningSales
`PAGE_CONTEXT`	**Type** String **Description** Context of the page where the event occurred. **Example** clients:cardsContainer
`PAGE_ENTITY_ID`	**Type** Id **Description** The unique entity identifier of the event. **Example** 0013000000I3zJAAAZ
`PAGE_ENTITY_TYPE`	**Type** String **Description** The entity type of the event. **Example** Task, contacts
`PAGE_START_TIME`	**Type** Number **Description** The time when the page was initially loaded, measured in milliseconds. **Example** 1471564788642
`PAGE_URL`	**Type** String

Field	Details
	Description Relative URL of the top-level Lightning Experience or Salesforce mobile app page that the user opened. The page can contain one or more Lightning components. Multiple record IDs can be associated with `PAGE_URL`. **Example** /sObject/0064100000JXITSAA5/view
`PARENT_UI_ELEMENT`	**Type** String **Description** Parent scope of the page element where the event occurred.
`RECORD_ID`	**Type** String array **Description** The IDs of one or more records that the user interacted with. For more information on the user interaction, see `UI_EVENT_TYPE` and `UI_EVENT_SOURCE` fields. **Example** ["5004100000JaGGLAA3", "5004100000Dn79CAAR", "50041000007KeugAAC"]
`RECORD_TYPE`	**Type** String **Description** The type of record object that the user interacted with. **Examples** • Account • Opportunity
`RELATED_LIST`	**Type** String **Description** The type of related list that the user clicked. **Example** Opportunity
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV

Field	Details
SDK_APP_TYPE	**Type** String **Description** The mobile SDK application type. **Possible Values** • HYBRID • HYBRIDLOCAL • HYBRIDREMOTE • NATIVE • REACTNATIVE
SDK_APP_VERSION	**Type** String **Description** The mobile SDK application version number. **Example** 5.0
SDK_VERSION	**Type** String **Description** The mobile SDK version number. **Example** 2.1.0
SESSION_KEY	**Type** String **Description** The user’s unique session ID. You can use this value to identify all events in Lightning Experience within a session. When the user logs out and logs in again, a new session is started. **Example** cdd09305cb6babf34059e27f70e47f1b11dec868
TARGET_UI_ELEMENT	**Type** String **Description** The target page element where the event occurred. **Example** label bBody truncate, tabitem-link

Field	Details
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ) **Example** 2015-07-27T11:32:59.555Z
UI_EVENT_ID	**Type** String **Description** Id of the Lightning event type. **Possible Values** • ltng:error • ltng:interaction • ltng:pageView • ltng:performance
UI_EVENT_SEQUENCE_NUM	**Type** Number **Description** An auto-incremented sequence number of the current event since the session started.
UI_EVENT_SOURCE	**Type** String **Description** The user action on the record or records in RECORD_ID. This field's value indicates whether the user's action was on a single record or multiple records. For example, read indicates that one record was read (such as on a record detail page); reads indicates multiple records were read (such as in a list view). **Examples** • click • create • delete

Field	Details
	• hover • read • update
`UI_EVENT_TIMESTAMP`	**Type** Number **Description** The time at which this event occurred, measured in milliseconds. **Example** 1479769912796
`UI_EVENT_TYPE`	**Type** String **Description** The type of interaction with the records in `RECORD_ID`. **Examples** • crud — Created, read, updated, or deleted the record. • reads — Read multiple records.
`USER_AGENT`	**Type** String **Description** The numeric code for the type of client used to make the request (for example, the browser, application, or API) as a string.
`USER_ID`	**Type** String **Description** The 15-character ID of the user accessing Salesforce services through the UI or API. **Example** 00530000009M943
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case-insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0
`USER_TYPE`	**Type** String

Field	Details
	Description The category of user license of the user accessing Salesforce services through the UI or API. **Possible Values** • A: Automated Process • b: High Volume Portal • C: Customer Portal User • D: External Who • F: Self Service • G: Guest • L: Package License Manager • N: Salesforce to Salesforce • n: CSN Only • O: Power Custom • o: Custom • P: Partner • p: Customer Portal Manager • S: Standard • X: Black Tab User

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Lightning Page View Event Type

Lightning Page View events represent information about the page on which the event occurred in Lightning Experience. This event type is available in the EventLogFile object in API version 39.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
APP_NAME	**Type** String **Description** The name of the application that the user accessed.

Field	Details
BROWSER_NAME	**Type** String **Description** The name of the browser that the user accessed. **Example** Chrome, IE, Safari, Gecko
BROWSER_VERSION	**Type** String **Description** The version of the browser that the user accessed in `major.minor version` format. Some browsers don’t provide a minor version.
CLIENT_ID	**Type** String **Description** The API client ID.
CLIENT_IP	**Type** String **Description** The IP address of the client that’s using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as “Salesforce.com IP”. **Example** 96.43.144.26
CONNECTION_TYPE	**Type** String **Description** The type of connection. **Possible Values** • `CDMA1x` • `CDMA` • `EDGE` • `EVDO0` • `EVDOA` • `EVDOB` • `GPRS` • `HRPD` • `HSDPA` • `HSUPA`

Field	Details
	• LTE • WIFI
DEVICE_ID	**Type** String **Description** The unique identifier used to identify a device when tracking events. DEVICE_ID is a generated value that's created when the mobile app is initially run after installation.
DEVICE_MODEL	**Type** String **Description** The name of the device model. **Example** iPad, iPhone
DEVICE_PLATFORM	**Type** String **Description** The type of application experience in name:experience:form format. **Possible Values** Name • APP_BUILDER • CUSTOM • S1 • SFX Experience • BROWSER • HYBRID Form • DESKTOP • PHONE • TABLET
DEVICE_SESSION_ID	**Type** Id **Description** The unique identifier of the user's session based on page load time. When the user reloads a page, a new session is started.

Field	Details
	Example 321a1ddfaf924803a075f1e69fc87bc06f53ccd0
DURATION	**Type** Number **Description** The duration in milliseconds since the page start time.
EFFECTIVE_PAGE_TIME	**Type** Number **Description** The effective page time, indicating how long it took for the page to load.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
GRANDPARENT_UI_ELEMENT	**Type** String **Description** The grandparent scope of the page element where the event occurred.
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** String **Description** The 15-character ID of the org. **Example** 00D000000000123

Field	Details
OS_NAME	**Type** String **Description** The operating system name, derived from USER_AGENT. **Example** Android, iOS, OSX, Windows
OS_VERSION	**Type** String **Description** The operating system version, derived from USER_AGENT.
PAGE_APP_NAME	**Type** String **Description** The internal name of the application that the user accessed from the App Launcher. **Example** LightningSales
PAGE_CONTEXT	**Type** String **Description** The context of the page where the event occurred. **Example** clients:cardsContainer
PAGE_ENTITY_ID	**Type** Id **Description** The unique entity identifier of the event. **Example** 0013000000I3zJAAAZ
PAGE_ENTITY_TYPE	**Type** String **Description** The entity type of the event. **Example** Task, contacts
PAGE_START_TIME	**Type** Number

Field	Details
	Description The time when the page was initially loaded, measured in milliseconds. **Example** 1471564788642
PAGE_URL	**Type** String **Description** Relative URL of the top-level Lightning Experience or Salesforce mobile app page that the user opened. The page can contain one or more Lightning components. Multiple record IDs can be associated with PAGE_URL. **Example** /sObject/0064100000JXITSAA5/view
PARENT_UI_ELEMENT	**Type** String **Description** The parent scope of the page element where the event occurred.
PREVPAGE_APP_NAME	**Type** String **Description** The internal name of the previous application that the user accessed from the App Launcher. **Example** LightningSales
PREVPAGE_CONTEXT	**Type** String **Description** The context of the previous page where the event occurred. **Example** clients:cardsContainer
PREVPAGE_ENTITY_ID	**Type** Id **Description** The unique previous page entity identifier of the event.
PREVPAGE_ENTITY_TYPE	**Type** String **Description** The previous page entity type of the event.

Field	Details
	Example Task, contacts
PREVPAGE_URL	**Type** String **Description** The relative URL of the previous Lightning Experience or Salesforce mobile app page that the user opened. **Example** /sObject/006410000
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
SDK_APP_TYPE	**Type** String **Description** The mobile SDK application type. **Possible Values** • HYBRID • HYBRIDLOCAL • HYBRIDREMOTE • NATIVE • REACTNATIVE
SDK_APP_VERSION	**Type** String **Description** The mobile SDK application version number. **Example** 5.0
SDK_VERSION	**Type** String **Description** The mobile SDK version number.

Field	Details
	Example 2.1.0
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all events in Lightning Experience within a session. When the user logs out and logs in again, a new session is started. **Example** cdd09305cb6babf34059e27f70e47f1b11dec868
`TARGET_UI_ELEMENT`	**Type** String **Description** The target page element where the event occurred. **Example** label bBody truncate, tabitem-link
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`UI_EVENT_ID`	**Type** String **Description** Id of the Lightning event type. **Possible Values** • `ltng:error` • `ltng:interaction`

Field	Details
	• `ltng:pageView` • `ltng:performance`
`UI_EVENT_SEQUENCE_NUM`	**Type** Number **Description** An auto-incremented sequence number of the current event since the session started.
`UI_EVENT_SOURCE`	**Type** String **Description** The user action on the record or records. This field's value indicates whether the user's action was on a single record or multiple records. For example, `read` indicates that one record was read (such as on a record detail page); `reads` indicates multiple records were read (such as in a list view). **Examples** • click • create • delete • hover • read • update
`UI_EVENT_TIMESTAMP`	**Type** Number **Description** The time at which this event occurred, measured in milliseconds. **Example** 1479769912796
`USER_AGENT`	**Type** String **Description** The numeric code for the type of client used to make the request (for example, the browser, application, or API) as a string.
`USER_ID`	**Type** String **Description** The 15-character ID of the user accessing Salesforce services through the UI or API.

Field	Details
	Example 00530000009M943
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case-insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0
`USER_TYPE`	**Type** String **Description** The category of user license of the user accessing Salesforce services through the UI or API. **Possible Values** • `A`: Automated Process • `b`: High Volume Portal • `C`: Customer Portal User • `D`: External Who • `F`: Self Service • `G`: Guest • `L`: Package License Manager • `N`: Salesforce to Salesforce • `n`: CSN Only • `O`: Power Custom • `o`: Custom • `P`: Partner • `p`: Customer Portal Manager • `S`: Standard • `X`: Black Tab User

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Lightning Performance Event Type

Lightning Performance events track trends in your Lightning Experience performance. This event type is available in the EventLogFile object in API version 39.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
APP_NAME	**Type** String **Description** The name of the application that the user accessed.
BROWSER_NAME	**Type** String **Description** The name of the browser that the user accessed. **Example** Chrome, IE, Safari, Gecko
BROWSER_VERSION	**Type** String **Description** The version of the browser that the user accessed in `major.minor version` format. Some browsers don't provide a minor version.
CLIENT_ID	**Type** String **Description** The API client ID.
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CONNECTION_TYPE	**Type** String

Field	Details
	Description The type of connection. **Possible Values** • `CDMA1x` • `CDMA` • `EDGE` • `EVDO0` • `EVDOA` • `EVDOB` • `GPRS` • `HRPD` • `HSDPA` • `HSUPA` • `LTE` • `WIFI`
`DEVICE_ID`	**Type** String **Description** The unique identifier used to identify a device when tracking events. `DEVICE_ID` is a generated value that's created when the mobile app is initially run after installation.
`DEVICE_MODEL`	**Type** String **Description** The name of the device model. **Example** iPad, iPhone
`DEVICE_PLATFORM`	**Type** String **Description** The type of application experience in `name:experience:form` format. **Possible Values** Name • `APP_BUILDER` • `CUSTOM` • `S1` • `SFX` Experience

Field	Details
	• BROWSER • HYBRID Form • DESKTOP • PHONE • TABLET
DEVICE_SESSION_ID	**Type** Id **Description** The unique identifier of the user's session based on page load time. When the user reloads a page, a new session is started. **Example** 321a1ddfaf924803a075f1e69fc87bc06f53ccd0
DURATION	**Type** Number **Description** The duration in milliseconds since the page start time.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** String **Description** The 15-character ID of the org.

Field	Details
	Example 00D000000000123
OS_NAME	**Type** String **Description** The operating system name, derived from USER_AGENT. **Example** Android, iOS, OSX, Windows
OS_VERSION	**Type** String **Description** The operating system version, derived from USER_AGENT.
PAGE_START_TIME	**Type** Number **Description** The time when the page was initially loaded, measured in milliseconds. **Example** 1471564788642
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
SDK_APP_TYPE	**Type** String **Description** The mobile SDK application type. **Possible Values** • HYBRID • HYBRIDLOCAL • HYBRIDREMOTE • NATIVE • REACTNATIVE

Field	Details
SDK_APP_VERSION	**Type** String **Description** The mobile SDK application version number. **Example** 5.0
SDK_VERSION	**Type** String **Description** The mobile SDK version number. **Example** 2.1.0
SESSION_KEY	**Type** String **Description** The user’s unique session ID. You can use this value to identify all events in Lightning Experience within a session. When the user logs out and logs in again, a new session is started. **Example** cdd09305cb6babf34059e27f70e47f1b11dec868
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ) **Example** 2015-07-27T11:32:59.555Z
UI_EVENT_ID	**Type** String **Description** Id of the Lightning event type.

Field	Details
	Possible Values • `ltng:error` • `ltng:interaction` • `ltng:pageView` • `ltng:performance`
`UI_EVENT_SOURCE`	**Type** String **Description** The user action on the record or records. This field's value indicates whether the user's action was on a single record or multiple records. For example, `read` indicates that one record was read (such as on a record detail page); `reads` indicates multiple records were read (such as in a list view). **Examples** • click • create • delete • hover • read • update
`UI_EVENT_TIMESTAMP`	**Type** Number **Description** The time at which this event occurred, measured in milliseconds. **Example** 1479769912796
`UI_EVENT_TYPE`	**Type** String **Description** The type of interaction. **Examples** • crud — Created, read, updated, or deleted the record. • reads — Read multiple records.
`USER_AGENT`	**Type** String

Field	Details
	Description The numeric code for the type of client used to make the request (for example, browser, application, or API) as a string.
`USER_ID`	**Type** String **Description** The 15-character ID of the user accessing Salesforce services through the UI or API. **Example** 00530000009M943
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case-insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0
`USER_TYPE`	**Type** String **Description** The category of user license of the user accessing Salesforce services through the UI or API. **Possible Values** • `A`: Automated Process • `b`: High Volume Portal • `C`: Customer Portal User • `D`: External Who • `F`: Self Service • `G`: Guest • `L`: Package License Manager • `N`: Salesforce to Salesforce • `n`: CSN Only • `O`: Power Custom • `o`: Custom • `P`: Partner • `p`: Customer Portal Manager • `S`: Standard

Field	Details
	• X: Black Tab User

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Login Event Type

Login events contain details about your org's user login history.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
API_TYPE	**Type** String **Description** The type of API request. **Possible Values** • D: Apex Class • E: SOAP Enterprise • I: SOAP Cross Instance • M: SOAP Metadata • O: Old SOAP • P: SOAP Partner • S: SOAP Apex • T: SOAP Tooling • X: XmlRPC • f: Feed • l: Live Agent • p: SOAP ClientSync
API_VERSION	**Type** String **Description** The version of the API that's being used. **Example** 36.0

`BROWSER_TYPE`	**Type** String **Description** The browser used for login. **Example Values** • `10011000`: Internet Explorer Desktop 11 • `10011001`: Internet Explorer Mobile 11 • `11035000`: Firefox Desktop 35 • `11035001`: Firefox Mobile 35 • `13050000`: Chrome Desktop 50 • `13050001`: Chrome Mobile 50 • `14012000`: Safari Desktop 12 • `14012001`: Safari Mobile 12
`CIPHER_SUITE`	**Type** String **Description** The TLS cipher suite used for the login. Values are OpenSSL-style cipher suite names, with hyphen delimiters. For more information, see OpenSSL Cryptography and SSL/TLS Toolkit.
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`DB_TOTAL_TIME`	**Type** Number

	Description The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`LOGIN_STATUS`	**Type** String **Description** The status of the login attempt. For successful logins, the value is LOGIN_NO_ERROR. All other values indicate errors or authentication issues. For details, see Login Event Type — LOGIN_STATUS Values on page 959.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`.

	Example 3nWgxWbDKWWDIk0FKfF5DV
REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error • R: Redirect • N: Not Found
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
SOURCE_IP	**Type** IP **Description** The source IP of the login request.
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670

`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TLS_PROTOCOL`	**Type** String **Description** The TLS protocol used for the login. **Example** There are 3 possible values. • 1.0 • 1.1 • 1.2
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id

	Description The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `005900000001I1SNIA0`
`USER_NAME`	**Type** String **Description** The username that's used for login.

Login Event Type — LOGIN_STATUS Values

When users attempt to log in to your org, the success or failure of their login attempts is tracked in event log file data. Specifically, the LOGIN_STATUS field in the Login event type contains the result of these login attempts. The data in LOGIN_STATUS can help you determine whether your users' login attempts were successful. This field is available in the Login event type in the EventLogFile object in API version 39.0 and later.

SEE ALSO:

Login Event Type — LOGIN_STATUS Values
EventLogFile Supported Event Types
EventLogFile

Login Event Type — LOGIN_STATUS Values

When users attempt to log in to your org, the success or failure of their login attempts is tracked in event log file data. Specifically, the LOGIN_STATUS field in the Login event type contains the result of these login attempts. The data in LOGIN_STATUS can help you determine whether your users' login attempts were successful. This field is available in the Login event type in the EventLogFile object in API version 39.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

API Error Code	Details (If Available)
LOGIN_CHALLENGE_ISSUED	Failed: Computer activation required
LOGIN_CHALLENGE_PENDING	Failed: Computer activation pending
LOGIN_DATA_DOWNLOAD_ONLY	
LOGIN_END_SESSION_TXN_SECURITY_POLICY	
LOGIN_ERROR_APPEXCHANGE_DOWN	Unable to process your login request
LOGIN_ERROR_ASYNC_USER_CREATE	
LOGIN_ERROR_AVANTGO_DISABLED	
LOGIN_ERROR_AVANTGO_TRIAL_EXP	

API Error Code	Details (If Available)
LOGIN_ERROR_CLIENT_NO_ACCESS	
LOGIN_ERROR_CLIENT_REQ_UPDATE	Failed: Client update required
LOGIN_ERROR_CSS_FROZEN	
LOGIN_ERROR_CSS_PW_LOCKOUT	
LOGIN_ERROR_DUPLICATE_USERNAME	
LOGIN_ERROR_EXPORT_RESTRICTED	Restricted country
LOGIN_ERROR_GLOBAL_BLOCK_DOMAIN	Restricted domain
LOGIN_ERROR_HT_DOWN	
LOGIN_ERROR_HTP_METHD_INVALID	Failed: Invalid HTTP method
LOGIN_ERROR_INSECURE_LOGIN	Failed: Login over insecure channel
LOGIN_ERROR_INVALID_GATEWAY	Invalid gateway
LOGIN_ERROR_INVALID_ID_FIELD	
LOGIN_ERROR_INVALID_PASSWORD	Invalid password
LOGIN_ERROR_INVALID_USERNAME	Invalid login
LOGIN_ERROR_LOGINS_EXCEEDED	Maximum logins exceeded
LOGIN_ERROR_MUST_USE_API_TOKEN	Failed: API security token required
LOGIN_ERROR_MUTUAL_AUTHENTICATION	Mutual authentication failed
LOGIN_ERROR_NETWORK_INACTIVE	Invalid - community offline
LOGIN_ERROR_NO_HT_ACCESS	
LOGIN_ERROR_NO_NETWORK_ACCESS	No community access
LOGIN_ERROR_NO_NETWORK_INFO	
LOGIN_ERROR_NO_PORTAL_ACCESS	Invalid profile association
LOGIN_ERROR_NO_SET_COOKIES	
LOGIN_ERROR_OFFLINE_DISABLED	Offline disabled
LOGIN_ERROR_OFFLINE_TRIAL_EXP	Offline trial expired
LOGIN_ERROR_ORG_CLOSED	Organization closed
LOGIN_ERROR_ORG_DOMAIN_ONLY	Restricted domain
LOGIN_ERROR_ORG_IN_MAINTENANCE	Organization is in maintenance
LOGIN_ERROR_ORG_INACTIVE	Organization is inactive
LOGIN_ERROR_ORG_IS_DOT_ORG	Organization is a DOT

API Error Code	Details (If Available)
LOGIN_ERROR_ORG_LOCKOUT	Organization locked
LOGIN_ERROR_ORG_SIGNING_UP	
LOGIN_ERROR_ORG_SUSPENDED	Organization suspended
LOGIN_ERROR_OUTLOOK_DISABLED	Outlook integration disabled
LOGIN_ERROR_PAGE_REQUIRES_LOGIN	
LOGIN_ERROR_PASSWORD_EMPTY	
LOGIN_ERROR_PASSWORD_LOCKOUT	Password lockout
LOGIN_ERROR_PORTAL_INACTIVE	Invalid - Portal disabled
LOGIN_ERROR_RATE_EXCEEDED	Login rate exceeded
LOGIN_ERROR_RESTRICTED_DOMAIN	Restricted IP
LOGIN_ERROR_RESTRICTED_TIME	Restricted time
LOGIN_ERROR_SESSION_TIMEOUT	
LOGIN_ERROR_SSO_PWD_INVALID	Invalid password
LOGIN_ERROR_SSO_SVC_DOWN	Your company's authentication service is down
LOGIN_ERROR_SSO_URL_INVALID	The Single Sign-On Gateway URL is invalid
LOGIN_ERROR_STORE	
LOGIN_ERROR_STORE_DOWN	
LOGIN_ERROR_SWITCH_SFDC_INSTANCE	
LOGIN_ERROR_SWITCH_SFDC_LOGIN	
LOGIN_ERROR_SYNCOFFLINE_DISBLD	Failed: Mobile disabled
LOGIN_ERROR_SYSTEM_DOWN	
LOGIN_ERROR_UNKNOWN_ERROR	Login invalid
LOGIN_ERROR_USER_API_ONLY	Failed: API-only user
LOGIN_ERROR_USER_FROZEN	User is frozen
LOGIN_ERROR_USER_INACTIVE	User is inactive
LOGIN_ERROR_USER_NON_MOBILE	Failed: Mobile license required
LOGIN_ERROR_USER_STORE_ACCESS	
LOGIN_ERROR_USERNAME_EMPTY	
LOGIN_ERROR_WIRELESS_DISABLED	Wireless disabled
LOGIN_ERROR_WIRELESS_TRIAL_EXP	Wireless trial expired

API Error Code	Details (If Available)
LOGIN_LIGHTNING_LOGIN	Lightning Login required
LOGIN_NO_ERROR	
LOGIN_OAUTH_API_DISABLED	Failed: OAuth API access disabled
LOGIN_OAUTH_CONSUMER_DELETED	Failed: Consumer Deleted
LOGIN_OAUTH_DS_NOT_EXPECTED	Failed: Activation secret not expected
LOGIN_OAUTH_EXCEED_GET_AT_LMT	Failed: Get Access Token Limit Exceeded
LOGIN_OAUTH_INVALID_CODE_CHALLENGE	Failed: Invalid Code Challenge
LOGIN_OAUTH_INVALID_CODE_VERIFIER	Failed: Invalid Code Verifier
LOGIN_OAUTH_INVALID_DEVICE	Failed: Device Id missing or not registered
LOGIN_OAUTH_INVALID_DS	Failed: Activation secret invalid
LOGIN_OAUTH_INVALID_DSIG	Failed: Signature Invalid
LOGIN_OAUTH_INVALID_IP	Failed: IP Address Not Allowed
LOGIN_OAUTH_INVALID_NONCE	Failed: Invalid Nonce
LOGIN_OAUTH_INVALID_SIG_METHOD	Failed: Invalid Signature Method
LOGIN_OAUTH_INVALID_TIMESTAMP	Failed: Invalid Timestamp
LOGIN_OAUTH_INVALID_TOKEN	Failed: Invalid Token
LOGIN_OAUTH_INVALID_VERIFIER	Failed: Invalid Verifier
LOGIN_OAUTH_INVALID_VERSION	Failed: Version Not Supported
LOGIN_OAUTH_MISSING_DS	Activation secret missing
LOGIN_OAUTH_NO_CALLBACK_URL	Failed: Invalid Callback URL
LOGIN_OAUTH_NO_CONSUMER	Missing Consumer Key Parameter
LOGIN_OAUTH_NO_TOKEN	Missing OAuth Token Parameter
LOGIN_OAUTH_NONCE_REPLAY	Failed: Nonce Replay Detected
LOGIN_OAUTH_PACKAGE_MISSING	Package for this consumer is not installed in your organization
LOGIN_OAUTH_PACKAGE_OLD	Installed package for this consumer is out of date
LOGIN_OAUTH_UNEXPECTED_PARAM	Failed: Unexpected parameter
LOGIN_ORG_TRIAL_EXP	Trial Expired
LOGIN_READONLY_CANNOT_VALIDATE	
LOGIN_SAML_INVALID_AUDIENCE	Failed: Audience Invalid
LOGIN_SAML_INVALID_CONFIG	Failed: Configuration Error/Perm Disabled

API Error Code	Details (If Available)
LOGIN_SAML_INVALID_FORMAT	Failed: Assertion Invalid
LOGIN_SAML_INVALID_IN_RES_TO	Failed: InResponseTo Invalid
LOGIN_SAML_INVALID_ISSUER	Failed: Issuer Mismatched
LOGIN_SAML_INVALID_ORG_ID	Failed: Invalid Organization Id
LOGIN_SAML_INVALID_PORTAL_ID	Failed: Invalid Portal Id
LOGIN_SAML_INVALID_RECIPIENT	Failed: Recipient Mismatched
LOGIN_SAML_INVALID_SESSION_LEVEL	
LOGIN_SAML_INVALID_SIGNATURE	Failed: Signature Invalid
LOGIN_SAML_INVALID_SITE_URL	Failed: Invalid Site URL
LOGIN_SAML_INVALID_STATUS	Failed: Status Invalid
LOGIN_SAML_INVALID_SUB_CONFIRM	Failed: Subject Confirmation Error
LOGIN_SAML_INVALID_TIMESTAMP	Failed: Assertion Expired
LOGIN_SAML_INVALID_USERNAME	Failed: Username Or SSO Id Invalid
LOGIN_SAML_INVALID_VERSION	
LOGIN_SAML_MISMATCH_CERT	Failed: Signature Invalid/Configured Certificate Mismatch
LOGIN_SAML_MISSING_ORG_ID	Failed: Missing Organization Id for Portal login
LOGIN_SAML_MISSING_PORTAL_ID	Failed: Missing Portal Id
LOGIN_SAML_PROVISION_ERROR	Failed: SAML Provision Error
LOGIN_SAML_REPLAY_ATTEMPTED	Failed: Replay Detected
LOGIN_SAML_SITE_INACTIVE	Failed: Specified Site is Inactive
LOGIN_TWOFACTOR_REQ	Two-factor required

Usage

Use LOGIN_STATUS to determine whether your users' login attempts were successful. For example, you can determine whether a departed employee attempted to log in successfully or unsuccessfully.

A	B	C	D	E	F	G	H	I	J	K
EVENT_TYPE	CLIENT_IP	URI	SESSION_KEY	LOGIN_KEY	REQUEST_STATUS	USER_NAME	TIMESTAMP_DERIVED	USER_ID_DERIVED	URI_ID_DERIVED	LOGIN_STATUS
Login	1.2.3.4	/my/uri/path/005B0000000GSwO	sidHash_basic	loginHash_basic	requestStatus_common	userName_L	2015-01-01T00:00:00.000	001xx0000000useAAA	005B0000000GSwOIAW	LOGIN_NO_ERROR

SEE ALSO:

- Login Event Type
- EventLogFile Supported Event Types
- EventLogFile

Login As Event Type

Login As events contain details about what a Salesforce admin did while logged in as another user.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DELEGATED_USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or API. In this case, the user who's doing the impersonation.
DELEGATED_USER_ID_DERIVED	**Type** Id

	Description The 18-character case-insensitive ID of the user who's using Salesforce services through the UI or API. In this case, the user who's doing the impersonation.
`DELEGATED_USER_NAME`	**Type** String **Description** The username of the user who's using Salesforce services through the UI or API. In this case, the user who's doing the impersonation.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV

RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
URI	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.

USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 0059000000I1SNIA0

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Logout Event Type

Logout events contain details of user logouts.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
API_TYPE	**Type** String **Description** The type of API request. **Possible Values** • D: Apex Class • E: SOAP Enterprise • I: SOAP Cross Instance • M: SOAP Metadata • O: Old SOAP • P: SOAP Partner • S: SOAP Apex

	• `T`: SOAP Tooling • `X`: XmlRPC • `f`: Feed • `l`: Live Agent • `p`: SOAP ClientSync
`API_VERSION`	**Type** String **Description** The version of the API that's being used. **Example** 36.0
`APP_TYPE`	**Type** Number **Description** The application type that was in use upon logging out. **Example Values** • `1007`: SFDC Application • `1014`: Live Agent • `2501`: CTI • `2514`: OAuth • `3475`: SFDC Partner Portal
`BROWSER_TYPE`	**Type** String **Description** The browser used for login. **Example Values** • `10011000`: Internet Explorer Desktop 11 • `10011001`: Internet Explorer Mobile 11 • `11035000`: Firefox Desktop 35 • `11035001`: Firefox Mobile 35 • `13050000`: Chrome Desktop 50 • `13050001`: Chrome Mobile 50 • `14012000`: Safari Desktop 12 • `14012001`: Safari Mobile 12
`CLIENT_IP`	**Type** String

	Description The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CLIENT_VERSION`	**Type** Number **Description** The version of the client that was in use upon logging out.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`PLATFORM_TYPE`	**Type** Number **Description** The code for the client platform. If a timeout caused the logout, this field is null. **Example Values** • `1000`: Windows • `2003`: Macintosh/Apple OSX • `5005`: Android • `5006`: iPhone • `5007`: iPad
`REQUEST_ID`	**Type** String

	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RESOLUTION_TYPE	**Type** Number **Description** The screen resolution of the client. If a timeout caused the logout, this field is null.
SESSION_LEVEL	**Type** String **Description** The security level of the session that was used when logging out. **Possible Values** • 1: Standard Session • 2: High-Assurance Session
SESSION_TYPE	**Type** String **Description** The session type that was used when logging out. **Possible Values** • A: API • I: APIOnlyUser • N: ChatterNetworks • Z: ChatterNetworksAPIOnly • C: Content • P: OauthApprovalUI • O: Oauth2 • T: SiteStudio • R: SitePreview • S: SubstituteUser • B: TempContentExchange • G: TempOauthAccessTokenFrontdoor • Y: TempVisualforceExchange • F: TempUIFrontdoor

- `U`: UI
- `E`: UserSite
- `V`: Visualforce
- `W`: WDC_API

`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
`USER_INITIATED_LOGOUT`	**Type** Boolean **Description** The value is 1 if the user intentionally logged out of the organization by clicking the **Logout** button. If the user's session timed out due to inactivity or another implicit logout action, the value is 0.

Field	Details
USER_TYPE	**Type** String **Description** The category of user license of the user that logged out. **Possible Values** • S: Standard • P: Partner • p: Customer Portal Manager • C: Customer Portal User • O: Power Custom • o: Custom • L: Package License Manager • N: Salesforce to Salesforce • G: Guest • D: External Who • A: Automated Process • b: High Volume Portal • n: CSN Only • F: Self-Service

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Metadata API Operation Event Type

Metadata API Operation events contain details of Metadata API retrieval and deployment requests.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
API_VERSION	**Type** String **Description** The version of the API that's being used. **Example** 36.0

`CLIENT_ID`	**Type** String **Description** The API client ID.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`OPERATION`	**Type** String **Description** The operation that's being performed.

	Possible Values • `meta_deploy` • `meta_list` • `meta_retrieve` • `meta_synchronous_create` • `meta_synchronous_read` • `meta_synchronous_upsert`
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services.

	Example `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API.

Field	Details
	Example 005900000001ISNIA0

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Multiblock Report Event Type

Multiblock Report events contain details about Joined Report reports.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DB_TOTAL_TIME	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to CPU_TIME to determine whether performance issues are occurring in the database layer or in your own code.
EVENT_TYPE	**Type** String

Field	Details
	Description The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
HAS_CHART	**Type** Boolean **Description** True if the report has a chart.
LOGIN_KEY	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
MASTER_REPORT_ID	**Type** String **Description** The 15-character ID of the master report.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
REQUEST_STATUS	**Type** String

	Description The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String

Field	Details
	Description The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Package Install Event Type

Package Install events contain details about package installation in the organization.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String

	Description The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
EVENT_TYPE	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
FAILURE_TYPE	**Type** String **Description** A general categorization of any error that's encountered.
IS_MANAGED	**Type** Boolean **Description** True if the operation is performed on a managed package.
IS_PUSH	**Type** Boolean **Description** True if the package was installed as a result of a push upgrade.
IS_RELEASED	**Type** Boolean **Description** True if the operation is performed on a released package.

`IS_SUCCESSFUL`	**Type** Boolean **Description** True if the package was successfully installed.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`OPERATION_TYPE`	**Type** String **Description** The type of package operation. **Possible Values** • INSTALL • UPGRADE • EXPORT • UNINSTALL • VALIDATE_PACKAGE • INIT_EXPORT_PKG_CONTROLLER
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`PACKAGE_NAME`	**Type** String **Description** The name of the package that's being installed.
`REQUEST_ID`	**Type** String

Field	Details
	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`

URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Platform Encryption Event Type

Platform Encryption event contains information about tenant secret and derived encryption key usage. This event type is available in API versions 41.0 and later.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
ACTION	**Type** String **Description** The name and type of the event.

	Possible Values • TS Imported: A tenant secret generated by the Shield Key Management Service (KMS), or customer-supplied key material, imported by a customer. • TS Generated: A tenant secret generated by the Shield Key Management Service (KMS). • Key Derived: An encryption key derived from a tenant secret for encryption or decryption. • TS Wrapped: A tenant secret generated by the Shield Key Management Service (KMS), or customer-supplied key material, encrypted for storage. • Key Delivered: A data encryption key delivered for encryption or decryption. • TS Stored: A tenant secret generated by the Shield Key Management Service (KMS), or customer-supplied key material, stored encrypted in the database. • TS Read: An encrypted tenant secret generated by the Shield Key Management Service (KMS), or encrypted customer-supplied key material, that is loaded for encryption or decryption. • TS Unwrapped: An encrypted tenant secret generated by the Shield Key Management Service (KMS), or encrypted customer-supplied key material, unwrapped for use by the KMS. • TS Exported: An encrypted tenant secret exported by a customer. • TS Destroyed: A tenant secret and related data encryption key destroyed by a customer.
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the

	app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event. The value is always PlatformEncryption.
`KEY_ID`	**Type** String **Description** The 15-character ID of the tenant secret. **Example** 02GD000000096Cb
`KEY_ID_DERIVED`	**Type** String **Description** The 18-character ID of the derived encryption key. **Example** 02GD000000096CbMAI
`KEY_TYPE`	**Type** String **Description** The type of tenant secret. **Possible Values** • Data • DeterministicData • EinsteinAnalytics • SearchIndex
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`METHOD`	**Type** String

	Description The string that identifies a change in tenant secret Active state. For example, tenant secrets become active when they are created, and are made inactive when they are exported. **Examples** • TS Exported: User ID • TS Generated: HSM or BYOK • TS Unwrapped: Tenant Secret or BYOK
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user’s unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TIMESTAMP	**Type** DateTime

	Description The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API.

	Example `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Queued Execution Event Type

Queued Execution events contain details about queued executions—for example, batch Apex.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds that it took to complete the batch apex request. This field indicates the amount of activity taking place in the app server layer, allowing you to identify pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`ENTRY_POINT`	**Type** String

Field	Details
	Description The name of the Apex class that serves as the execution point for the batch job. **Example** TaskPhoneExtensionBatchUpdate
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`JOB_ID`	**Type** String **Description** The ID of the batch Apex job. **Example** 7073000000lDquo
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String

Field	Details
	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`

Field	Details
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ) **Example** 2015-07-27T11:32:59.555Z
URI	**Type** String **Description** The URI of the page that's receiving the request. **Example** /home/home.jsp
URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 00590000000I1SNIA0

SEE ALSO:

EventLogFile Supported Event Types
EventLogFile

Report Event Type

Report events contain information about what happened when a user ran a report.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
AVERAGE_ROW_SIZE	**Type** Number **Description** The average row size of all rows in the Report event, in bytes. A large average size, coupled with a high ROW_COUNT, can indicate that a user is downloading information for fraudulent purposes. For example, a salesperson who downloads all sales leads before departing for a competitor. **Example** 700
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DB_BLOCKS	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.

`DB_CPU_TIME`	**Type** Number **Description** Allows you to monitor trends in database uptime.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`DISPLAY_TYPE`	**Type** String **Description** The report display type, indicating the run mode of the report. **Possible Values** • `D`: Dashboard • `S`: Show Details • `H`: Hide Details
`ENTITY_NAME`	**Type** String **Description** The name of the object affected by the trigger.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I

NUMBER_BUCKETS	**Type** Number **Description** The number of buckets that were used in the report.
NUMBER_COLUMNS	**Type** Number **Description** The number of columns in the report.
NUMBER_EXCEPTION_FILTERS	**Type** Number **Description** The number of exception filters that are used in the report.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
RENDERING_TYPE	**Type** String **Description** The report rendering type, describing the format of the report output. **Possible Values** • W: Web (HTML) • E: Email • P: Printable • X: Excel • C: Comma-separated values (CSV) • J: JavaScript Object Notation (JSON)
REPORT_ID	**Type** Id **Description** The 15-character ID of the report that was run.
REPORT_ID_DERIVED	**Type** Id

	Description The 18-character case insensitive ID of the report that was run.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`ROW_COUNT`	**Type** Number **Description** The number of rows that were processed in the Report event. High row counts, coupled with a high `AVERAGE_ROW_SIZE`, can indicate that a user is downloading information for fraudulent purposes. For example, a salesperson who downloads all sales leads before departing for a competitor. **Example** 150
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.

`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`SORT`	**Type** String **Description** The sort column and order that was used in the report.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.

`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `0059000000I1SNIA0`

Usage

Example: Identify Large Report Exports by User

Get Report event type data from the EventLogFile object using REST:

```
/services/data/v40.0/query?q=SELECT+Id+,+EventType+,+LogFile+,+LogDate+,+LogFileLength+FROM+EventLogFile+WHERE+

    LogDate+>+Yesterday+AND+EventType+=+'Report'
```

After you download the report data to a ReportData database table, query it and filter on reports that were exported with high row counts and size:

```
SELECT USER_ID FROM ReportData WHERE (RENDERING_TYPE=C OR RENDERING_TYPE=X OR
RENDERING_TYPE=P) AND ROW_COUNT>150000 AND AVERAGE_ROW_SIZE>1500
```

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Report Export Event Type

Report Export events contain details about reports that a user exported.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details

`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CLIENT_INFO`	**Type** String **Description** Information about the client that's using Salesforce services.
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization.

	Example 00D000000000123
REPORT_DESCRIPTION	**Type** String **Description** Information about the report that was run.
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RUN_TIME	**Type** Number **Description** The amount of time that the request took in milliseconds.
SESSION_KEY	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** 20130715233322.670
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ)

	Example `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

REST API Event Type

REST API events contain details about REST-specific requests.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
CPU_TIME	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
DB_BLOCKS	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.
DB_CPU_TIME	**Type** Number **Description** Allows you to monitor trends in database uptime.
DB_TOTAL_TIME	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
ENTITY_NAME	**Type** Set **Description** API objects that are accessed.

	Example Account, Opportunity, Contact, and so on.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`MEDIA_TYPE`	**Type** String **Description** The media type of the response.
`METHOD`	**Type** String **Description** The HTTP method of the request—GET, POST, PUT, and so on.
`NUMBER_FIELDS`	**Type** Number **Description** The number of fields or columns, where applicable.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123

REQUEST_SIZE	**Type** Number **Description** The size of the callout request body, in bytes.
REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error • R: Redirect • N: Not Found
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
RESPONSE_SIZE	**Type** Number **Description** The size of the callout response, in bytes.
ROWS_PROCESSED	**Type** Number **Description** The number of rows that were processed in the request. **Example** 150
RUN_TIME	**Type** Number

	Description The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`STATUS_CODE`	**Type** Number **Description** The HTTP status code for the response.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID

	Description The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_AGENT`	**Type** Number **Description** The numeric code for the type of client used to make the request (for example, the browser, application, or API).
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Sandbox Event Type

Sandbox events contain details about sandbox copies.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CURRENT_SANDBOX_ORG_ID`	**Type** Id **Description** The 15-character ID of the current sandbox organization.

EVENT_TYPE	**Type** String **Description** The type of event. **Example** ReportExport, URI, API, RestApi, and so on. For details, see EventLogFile Supported Event Types on page 840.
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
PENDING_SANDBOX_ORG_ID	**Type** Id **Description** The 15-character ID of the target sandbox org.
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
SANDBOX_ID	**Type** Id **Description** The 15-character ID of the sandbox organization.
STATUS	**Type** String **Description** The status of the sandbox copy.
TIMESTAMP	**Type** String **Description** The access time of Salesforce services.

	Example `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Search Event Type

Search events contain details about the user's search query. All searches within the app, including Communities, are included. However, unauthenticated users won't have a unique Salesforce user ID.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`EVENT_TYPE`	**Type** String

Field	Details
	Description The type of event. Value is always Search. For details, see EventLogFile Supported Event Types.
NUM_RESULTS	**Type** Number **Description** Number of results returned by the search query. **Possible Values** • 0 • 25 • 1000
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
PREFIXES_SEARCHED	**Type** String **Description** Space-separated list of key prefixes that were searched. **Example** 001 006 ka0
QUERY_ID	**Type** String **Description** Unique ID of the search query. **Example** -2vx8relit08r
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV

SEARCH_QUERY	**Type** String **Description** The first 100 characters of the search query. **Example** Salesforce
TIMESTAMP	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
TIMESTAMP_DERIVED	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
USER_ID	**Type** Id **Description** The 18-character case insensitive ID of the user who’s using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Search Click Event Type

Search Click events contain details about the user’s interaction with the search results. All searches within the app, including Communities, are included. However, unauthenticated users won’t have a unique Salesforce user ID.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer’s Guide.

Fields

Field	Details
`CLICKED_RECORD_ID`	**Type** String **Description** The 15-character ID of the result the user clicked in the search results page. **Example** a07B00000031pRV
`EVENT_TYPE`	**Type** String **Description** The type of event. Value is always SearchClick. For details, see EventLogFile Supported Event Types.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`QUERY_ID`	**Type** String **Description** Unique ID of the search query. **Example** -2vx8relit08r
`RANK`	**Type** Number **Description** Ranking of the result clicked in the search results page. **Example** 2
`REQUEST_ID`	**Type** String

	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`USER_ID`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Sites Event Type

Sites events contain details of Site.com requests. Requests can originate from the browser (UI).

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details

`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`HTTP_HEADERS`	**Type** String **Description** The HTTP headers that were sent in the request.
`HTTP_METHOD`	**Type** String **Description** The HTTP method of the request—GET, POST, PUT, and so on.
`IS_API`	**Type** Boolean

	Description True if this page was an API or Web Services request.
`IS_ERROR`	**Type** Boolean **Description** True if this page was an error page.
`IS_FIRST_REQUEST`	**Type** Boolean **Description** 1 if this page is the first Visualforce transaction in the request, or 0 if it isn't.
`IS_GUEST`	**Type** Boolean **Description** True if this page was a guest (unauthenticated) request.
`IS_SECURE`	**Type** Boolean **Description** True if this request is secure.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`PAGE_NAME`	**Type** String

	Description The name of the Visualforce page that was requested.
`QUERY`	**Type** String **Description** The SOQL query, if one was performed.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`REQUEST_TYPE`	**Type** String **Description** The request type. **Possible Values** • `page`: a normal request for a page • `content_UI`: a content request for a page that originated in the user interface • `content_apex`: a content request initiated by an Apex call • `PDF_UI`: a request for a page in PDF format through the user interface

	• `PDF_apex`: a request for PDF format by an Apex call (usually a Web Service call)
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`SITE_ID`	**Type** Id **Description** The 15-character ID of the Site.com site.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`

URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 0059000000I1SNIA0

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Time-Based Workflow Event Type

Time-Based Workflow events contain details about queue activity monitoring.

For details about event monitoring, see the Trailhead Event Monitoring module or the REST API Developer's Guide.

Fields

Field	Details
DATA	**Type** String **Description** The record details of time queue activity.
EVENT_TYPE	**Type** String

Field	Details
	Description The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOG_GROUP_ID`	**Type** String **Description** Marks log records that are committed or rolled back.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`NUMBER_OF_RECORDS`	**Type** Number **Description** The number of processed records.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`SESSION_KEY`	**Type** String

	Description The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TYPE`	**Type** String **Description** The type of time-based workflow event. • `UIDEL`—An entry was deleted from the Time-Based Workflow page in Setup. • `ERRDEL`—An entry was deleted from the workflow queue, because there was an error reading the record that triggered the workflow rule. The associated time-dependent actions weren't processed. • `DELETE`—An entry was deleted from the workflow queue, because it's no longer relevant. For example, the criteria are no longer met by the associated record. If the evaluation date for the entry changed, the entry is re-added with the updated evaluation date. • `PROC`—An entry was deleted from the workflow queue after processing a time-dependent action.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Transaction Security Event Type

Transaction Security events contain details about policy execution.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVALUATION_TIME_MS`	**Type** Number **Description** The time in milliseconds used to evaluate the policy.
`EVENT_TIMESTAMP`	**Type** String **Description** The time at which the Transaction Security event was generated in ISO8601-compatible format (YYYY-MM-DDTHH:MM:SS.sssZ). This value might be earlier than TIMESTAMP_DERIVED by the amount of time taken to log the event. **Example** `2015-07-27T11:32:59.555Z`
`EVENT_TYPE`	**Type** String

Field	Details
	Description The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`POLICY_ID`	**Type** Id **Description** The 15-character ID of the policy being evaluated. **Example** `00530000009M943`
`POLICY_ID_DERIVED`	**Type** Id **Description** The 18-character case-insensitive ID of the policy being evaluated. **Example** `00590000000I1SNIA0`
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`.

	Example 3nWgxWbDKWWDIk0FKfF5DV
`RESULT`	**Type** String **Description** The outcome of evaluating the policy. **Example** TRIGGERED or NOT TRIGGERED
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** Datetime **Description** The time the event was logged in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`). This value might be later than EVENT_TIMESTAMP by the amount of time between when the event occurred and when it was logged. **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String

Field	Details
	Description The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `0059000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

URI Event Type

URI events contain details about user interaction with the web browser UI.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String

	Description The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_BLOCKS`	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.
`DB_CPU_TIME`	**Type** Number **Description** Allows you to monitor trends in database uptime.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String

	Description The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
ORGANIZATION_ID	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
REFERRER_URI	**Type** String **Description** The referring URI of the page that's receiving the request.
REQUEST_ID	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same REQUEST_ID. **Example** 3nWgxWbDKWWDIk0FKfF5DV
REQUEST_STATUS	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • S: Success • F: Failure • U: Undefined • A: Authorization Error • R: Redirect • N: Not Found
RUN_TIME	**Type** Number

	Description The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. For more granular URI information for Lightning Experience and the Salesforce app, see the Lightning Error, Lightning Interaction, Lightning Page View, and Lightning Performance event types. **Examples** `/aura` (Lightning Experience), `/lightning` (Lightning Experience and the Salesforce app), `/home/home.jsp` (Salesforce Classic)
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.

`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Visualforce Event Type

Visualforce events contain details of Visualforce requests. Requests can originate from the browser (UI).

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CONTROLLER_TYPE`	**Type** Number **Description** The type of controller that's used by the requested Visualforce page.

`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`DB_BLOCKS`	**Type** Number **Description** Indicates how much activity is occurring in the database. A high value for this field suggests that adding indexes or filters on your queries would benefit performance.
`DB_CPU_TIME`	**Type** Number **Description** Allows you to monitor trends in database uptime.
`DB_TOTAL_TIME`	**Type** Number **Description** The time in nanoseconds for a database round trip. Compare this field to `CPU_TIME` to determine whether performance issues are occurring in the database layer or in your own code.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`HTTP_METHOD`	**Type** String **Description** The HTTP method of the request—GET, POST, PUT, and so on.
`IS_AJAX_REQUEST`	**Type** Boolean **Description** The value is `true` if the request is a partial page request.

`IS_FIRST_REQUEST`	**Type** Boolean **Description** 1 if this page is the first Visualforce transaction in the request, or 0 if it isn't.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`MANAGED_PACKAGE_NAMESPACE`	**Type** String **Description** If the page is part of a managed package, the namespace of that package.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`PAGE_NAME`	**Type** String **Description** The name of the Visualforce page that was requested.
`QUERY`	**Type** String **Description** The SOQL query, if one was performed.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`.

	Example 3nWgxWbDKWWDIk0FKfF5DV
`REQUEST_SIZE`	**Type** Number **Description** The size of the request body, in bytes.
`REQUEST_STATUS`	**Type** String **Description** The status of the request for a page view or user interface action. **Possible Values** • `S`: Success • `F`: Failure • `U`: Undefined • `A`: Authorization Error • `R`: Redirect • `N`: Not Found
`REQUEST_TYPE`	**Type** String **Description** The request type. **Possible Values** • `page`: a normal request for a page • `content_UI`: a content request for a page that originated in the user interface • `content_apex`: a content request initiated by an Apex call • `PDF_UI`: a request for a page in PDF format through the user interface • `PDF_apex`: a request for PDF format by an Apex call (usually a Web Service call)
`RESPONSE_SIZE`	**Type** Number **Description** The size of the response, in bytes.

`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.

USER_AGENT	**Type** Number **Description** The numeric code for the type of client used to make the request (for example, the browser, application, or API).
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** 00530000009M943
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** 0059000000I1SNIA0
VIEW_STATE_SIZE	**Type** Number **Description** The size of the Visualforce view state, in bytes.

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

Wave Change Event Type

Wave Change events represent route or page changes made in the Salesforce Analytics user interface.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
CLIENT_IP	**Type** String

	Description The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event. **Example** `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`IS_NEW`	**Type** Boolean **Description** If the change routes to a new page, the value of this field is true. If it routes to an existing page, this field is false.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123

`RECORD_ID`	**Type** String **Description** The Salesforce ID of the Analytics object.
`REOPEN_COUNT`	**Type** Number **Description** If `IS_NEW` is false, the number of times that an existing page opens.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime

	Description The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TYPE`	**Type** String **Description** The Analytics object type.
`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
`WAVE_SESSION_ID`	**Type** String

Field	Details
	Description The ID of a particular session of Analytics. Use this field to determine which log lines originated from a particular session.
`WAVE_TIMESTAMP`	**Type** Number **Description** The time at which this log line was generated.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Wave Interaction Event Type

Wave Interaction events track user interactions with the Analytics user interface made via the browser.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer, highlighting pieces of Apex or Visualforce code that need refactoring.
`EVENT_TYPE`	**Type** String **Description** The type of event.

	Example `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`NUM_CLICKS`	**Type** Number **Description** The number of clicks performed on a page in the Wave user interface.
`NUM_SESSIONS`	**Type** Number **Description** The number of times a user returned to a particular page.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`READ_TIME`	**Type** Number **Description** The amount of time a user spent on a particular tab.
`RECORD_ID`	**Type** String **Description** The Salesforce ID of the Analytics object.
`REQUEST_ID`	**Type** String

Field	Details
	Description The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV
`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TOTAL_TIME`	**Type** Number **Description** The total amount of time a tab was open in milliseconds.
`TYPE`	**Type** String

	Description The Analytics object type.
URI	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
URI_ID_DERIVED	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
USER_ID	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
USER_ID_DERIVED	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
WAVE_SESSION_ID	**Type** String **Description** The ID of a particular session of Analytics. Use this field to determine which log lines originated from a particular session.
WAVE_TIMESTAMP	**Type** Number

Field	Details
	Description The time at which this log line was generated.

SEE ALSO:

EventLogFile Supported Event Types

EventLogFile

Wave Performance Event Type

Wave Performance events help you track trends in your Analytics performance.

For details about event monitoring, see the Trailhead Event Monitoring module or REST API Developer's Guide.

Fields

Field	Details
`CLIENT_IP`	**Type** String **Description** The IP address of the client that's using Salesforce services. A Salesforce internal IP (such as a login from Salesforce Workbench or AppExchange) is shown as "Salesforce.com IP". **Example** 96.43.144.26
`CPU_TIME`	**Type** Number **Description** The CPU time in milliseconds used to complete the request. This field indicates the amount of activity taking place in the app server layer.
`EPT`	**Type** Number **Description** The experienced page time in milliseconds.
`EVENT_TYPE`	**Type** String **Description** The type of event.

	Example `ReportExport`, `URI`, `API`, `RestApi`, and so on. For details, see EventLogFile Supported Event Types on page 840.
`LOGIN_KEY`	**Type** String **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. **Example** GeJCsym5eyvtEK2I
`NAME`	**Type** String **Description** The asset title or query string.
`ORGANIZATION_ID`	**Type** Id **Description** The 15-character ID of the organization. **Example** 00D000000000123
`QUERY_ID`	**Type** String **Description** The ID of the Wave query.
`RECORD_ID`	**Type** String **Description** The Salesforce ID of the Analytics object.
`REQUEST_ID`	**Type** String **Description** The unique ID of a single transaction. A transaction can contain one or more events. Each event in a given transaction has the same `REQUEST_ID`. **Example** 3nWgxWbDKWWDIk0FKfF5DV

`RUN_TIME`	**Type** Number **Description** The amount of time that the request took in milliseconds.
`SESSION_KEY`	**Type** String **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. **Example** d7DEq/ANa7nNZZVD
`TAB_ID`	**Type** String **Description** The ID of the particular Wave tab in the user interface.
`TIMESTAMP`	**Type** String **Description** The access time of Salesforce services. **Example** `20130715233322.670`
`TIMESTAMP_DERIVED`	**Type** DateTime **Description** The access time of Salesforce services in ISO8601-compatible format (`YYYY-MM-DDTHH:MM:SS.sssZ`) **Example** `2015-07-27T11:32:59.555Z`
`TYPE`	**Type** String **Description** The Analytics object type.
`UI_RENDER_TIME`	**Type** String **Description** The amount of time that it took for the user interface to render.

`URI`	**Type** String **Description** The URI of the page that's receiving the request. **Example** `/home/home.jsp`
`URI_ID_DERIVED`	**Type** ID **Description** The 18-character case insensitive ID of the URI of the page that's receiving the request.
`USER_ID`	**Type** Id **Description** The 15-character ID of the user who's using Salesforce services through the UI or the API. **Example** `00530000009M943`
`USER_ID_DERIVED`	**Type** Id **Description** The 18-character case insensitive ID of the user who's using Salesforce services through the UI or the API. **Example** `00590000000I1SNIA0`
`WAVE_SESSION_ID`	**Type** String **Description** The ID of a particular session of Analytics. Use this field to determine which log lines originated from a particular session.
`WAVE_TIMESTAMP`	**Type** Number

Description
The time at which this log line was generated.

SEE ALSO:
EventLogFile Supported Event Types
EventLogFile

EventRelation

Represents a person (a user, lead, or contact) or a resource (such as a conference room) invited to an event. This object lets you add or remove invitees from an event and use the API to manage invitees' responses to invitations. If Shared Activities is enabled, EventRelation can also represent other objects that are related to an event. EventRelation does not support triggers, workflow, or data validation rules.

EventRelation allows a variable number of relationships and handles deleted events differently, depending on whether Shared Activities is enabled.

A non-recurring event can have up to 1,000 invitees. A recurring event can have up to 100 invitees.

If Shared Activities Isn't Enabled

- EventRelation records only represent invitees (contacts, users, and resources).
- An event can be related to one contact or lead.

If Shared Activities Is Enabled

- EventRelation records can represent:
  - Invitees (`IsInvitee=` is set to `true`)

    OR
  - Related contacts or lead (`IsParent` is set to `true`)
- An event can be related to up to 50 contacts or one lead. These people may or may not be invitees. The number of allowed invitees is not affected by the number of related contacts. If a contact or lead is also an invitee, there is one EventRelation record for that person with `IsInvitee` and `IsParent` are set to `true`.
- An event can be related to a lead, contact, resource, account, or opportunity.
- An event can be related to a custom object that has the `HasActivities` attribute set to `true`.
- If you delete an event, then relations between the event and any specified contacts, leads, and other records are also deleted.
- If you delete the EventRelation record representing a relation then the corresponding relation field may be cleared on the event.
- If you delete the EventRelation record representing the `WhoId` on an event, then another Who, if any, from the event's `EventWhoIds` field will be promoted to the `WhoId`.
- If you restore a deleted event, relations between the event and any specified contacts, leads, and records are also restored. The `WhoId`, `WhatId`, and `AccountId` field values are recalculated using the field values on EventRelation.

Whether or not Shared Activities is enabled, an event can be related to one other kind of record, such as an account, an opportunity, or a custom object.

Note:

- With API versions 26.0 and later, the EventRelation object replaces the EventAttendee object, and the EventAttendee object is no longer visible. You can still query the EventAttendee object using packages that support API versions 25.0 and earlier, or by using Apex.
- An EventRelation object can't be created for a child event.
- EventRelation includes deactivated users.
- In API versions 25.0 and earlier, you can't use `query()`, `delete()`, or `update()` with events related to more than one contact.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `queryAll()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Contains the Account ID of the relation. For information on IDs, see ID Field Type. `AccountId` is visible when Shared Activities is enabled.
`EventId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Contains the ID of the event. This value can't be changed after it's been specified.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is `Deleted`.
`IsInvitee`	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the relation is an invitee. • `IsInvitee` is visible while Shared Activities is being enabled, after it has been enabled, and while it is being disabled. • `IsInvitee` defaults to `true` while Shared Activities is being enabled, after it has been enabled, and while it is being disabled if `IsInvitee`, `IsParent`, and `IsWhat` are not set. This configuration ensures compatibility when Shared Activities isn't enabled and EventRelation represents event invitees only. • `IsInvitee` defaults to `false` when Shared Activities is enabled if `IsParent` is set to `true`.
`IsParent`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** `IsParent` is visible only when Shared Activities is enabled. When `false`, indicates that the relation is an invitee (a contact, lead, or user). When `true`, indicates that the relation is a Who or What, as determined by `IsWhat` field.
`IsWhat`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** `IsWhat` is visible only when Shared Activities is enabled. The value is relevant only if `IsParent` is `true`. When `IsWhat` is `true`, the relation specified by `RelationId` is a What (an account, opportunity, custom object, etc.). When `IsWhat` is `false`, the relation specified by `RelationId` is a Who (a contact, lead, or user).
`RelationId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Contains the ID of the person (User, Contact, or Lead) or the resource invited to an event. When Shared Activities is enabled, `RelationId` can also contain the ID of an account, opportunity, or other object related to an event. This value can't be changed after it's been specified.

Field	Details
RespondedDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Indicates the most recent date and time when the invitee responded to an invitation to an event.
Response	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contains optional text that the invitee can enter when responding to an invitation to an event.
Status	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the invitee status with one of the following values: • `New`: Invitee has received the invitation but hasn't yet responded. This value is the default. • `Declined`: Invitee has declined the invitation. • `Accepted`: Invitee has accepted the invitation. Note: `Uninvited` and `Maybe` aren't currently supported.

Usage

- Invitee related lists display slightly different content. In the Salesforce app, the invitee related list includes invitees only, whereas in the full site, it also includes the event owner. To reproduce the full site functionality in the Salesforce app, use the following API queries.

  If you use Shared Activities in your Salesforce org, use this query:

  ```
  SELECT RelationId FROM EventRelation WHERE isInvitee = true AND eventId='[Event_Id]'
  ```

  where *`Event_Id`* is the child event's ID.

  If you don't use Shared Activities, use this query:

  ```
  SELECT RelationId FROM EventRelation WHERE eventId='[Event_Id]'
  ```

These queries get the main event's relations and display them for the given child event. To further filter the results, add a `WHERE` clause.

Send email notifications

To send email notifications for a given event, query EventRelation for the event, iterate through the list, examine the status, and send email notifications to every person who accepted the invitation.

Determine what events a given invitee is attending

To determine all the events that a particular person is attending during a given time period (for example, next week), you can have a client application query the Event object for a given date range, iterate through the results, and, for each event, query the EventRelation object to determine whether the particular person (`RelationId`) has accepted an invitation to that event.

Create an invitee if Shared Activities is enabled (or during the process of enabling it or rolling back)

If the invitee is already a contact or lead, update `IsInvitee` to `true`.

If the invitee is not already a contact or lead, create an EventRelation object for the invitee with `IsInvitee` set to `true`.

Create an invitee if Shared Activities is not enabled

Create an EventRelation object for the invitee.

Query relations to a contact or a lead

```
List<EventRelation> whoRelations = [SELECT Id, Relation.Name FROM
    EventRelation WHERE EventId = '00UD0000005zijD' AND isParent = true AND isWhat =
false];
```

Query invitee relations

```
List<EventRelation> inviteeRelations = [SELECT Id, Relation.Name FROM
    EventRelation WHERE EventId = '00UD0000005zijD' AND isInvitee = true];
```

Update an invitee relation to a contact or lead invitee relation

```
EventRelation er = [SELECT Id FROM EventRelation WHERE EventId =
    '00UD0000005zijD' AND isInvitee = true and isParent = false LIMIT 1];
er.isParent = true;
update er;
```

Update a contact or lead relation to a contact or lead invitee relation

```
EventRelation er = [SELECT Id FROM EventRelation WHERE EventId =
    '00UD0000005zijD' AND isParent = true and isInvitee = false LIMIT 1];
er.isInvitee = true;
update er;
```

Insert a contact or lead relation

```
EventRelation er = new EventRelation(EventId = '00UD0000005zijH',
    RelationId = '003D000000Q8aeV', isParent = true, isInvitee = false);
insert er;
```

Insert an invitee relation

If `isParent`, `isWhat` and `IsInvitee` are not set, and `RelationId` is a contact, lead, user, or calendar, `IsInvitee` defaults to `true`. This means if an EventRelation isn't specifically inserted as a relation to a contact or lead, it's treated as an Invitee relation by default.

```
EventRelation er = new EventRelation(EventId = '00UD0000005zijH',
    RelationId = '003D000000Q8adV');
insert er;
```

Reproduce invitee related list functionality in the Salesforce app

Invitee related lists display slightly different content in the Salesforce app and the full site. In the app, the invitee related list includes invitees only, whereas in the full site, it also includes the event owner.

If you use Shared Activities in your Salesforce org, use the following query to reproduce the full site functionality in the Salesforce app:

```
SELECT RelationId FROM EventRelation WHERE isInvitee = true AND eventId='[Event_Id]'
```

where *`Event_Id`* is the child event's ID.

If you don't use Shared Activities, use this query:

```
SELECT RelationId FROM EventRelation WHERE eventId='[Event_Id]'
```

These queries get the main event's relations and display them for the given child event. To further filter the results, add a `WHERE` clause.

SEE ALSO:

Event

EventWhoRelation

Object Basics

EventBusSubscriber

Represents a trigger, process, or flow that is subscribed to a platform event.

Supported Calls

`query()`

Special Access Rules

EventBusSubscriber is read only and can only be queried.

Fields

Field	Details
ExternalId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID of the subscriber. For example, the trigger ID.
LastError	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The error message that the `EventBus.RetryableException` that the trigger has last thrown contains. This field applies to Apex triggers only. Available in API version 43.0 and later.
Name	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the subscribed item, such as the trigger name. If the subscribed item's name is "Process", at least one process or flow Wait element is subscribed to the event.
Position	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The replay ID of the last event that the subscriber processed.
Retries	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of times the trigger was retried due to throwing the `EventBus.RetryableException`. This field applies to Apex triggers only. Available in API version 43.0 and later.

Field	Details
`Status`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the status of the subscriber. Can be one of the following values: • `Running`—The trigger is actively listening to events. • `Idle`—The trigger hasn't received events for some time and is not actively listening to events. When new events are sent, the trigger receives the new events after a short delay and switches to the `Running` state. • `Error`—The trigger has been disconnected and stopped receiving published events. A trigger reaches this state when it exceeds the number of maximum retries with the `EventBus.RetryableException`. Trigger assertion failures and unhandled exceptions don't cause the Error state. To resume trigger execution, fix the trigger code and save it. For a managed package trigger, redeploy the package after fixing the trigger. • `Suspended`—The trigger is disconnected and can't receive events due to an internal error. To resume trigger execution, try saving the trigger again. For a managed package trigger, redeploy the package.
`Tip`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The replay ID of the last published event.
`Topic`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the subscription channel that corresponds to a platform event. The topic name is the event name appended with `__e`, such as `MyEvent__e`. The topic is the channel that the subscriber is subscribed to.
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The subscriber type (`ApexTrigger`). If the subscriber is a process or flow Wait element, the type is blank.

Usage

Use EventBusSubscriber to query details about subscribers to a platform event. You can get all subscribers for a particular event by filtering on the `Topic` field, as follows.

```
SELECT ExternalId, Name, Position, Status, Tip, Type
FROM EventBusSubscriber
WHERE Topic='Low_Ink__e'
```

EventTag

Associates a word or short phrase with an Event.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.

Field Name	Details
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

EventTag stores the relationship between its parent TagDefinition and the Event being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

EventWhoRelation

Represents the relationship between an event and a lead or contacts. This derived object is a filtered version of the EventRelation on page 1043 object; that is, IsParent is *`true`* and IsWhat is *`false`*. It doesn't represent relationships to invitees or to accounts, opportunities, or other objects. This object is available in API versions 29.0 and later.

EventWhoRelation allows a variable number of relationships: one lead or up to 50 contacts. Available only if you've enabled Shared Activities for your organization.

Note: EventWhoRelation objects aren't created for child events.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`EventId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Indicates the ID of the event.
`RelationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the contacts or lead related to the event.
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates whether the person related to the event is a contact or lead.

Usage

Apex example that queries relations to a contact or lead

```
List<EventWhoRelation> whoRelations = [SELECT Id, Relation.Name FROM
EventWhoRelation WHERE EventId = '00UD0000005zijD'];
```

SEE ALSO:

Event

EventRelation

ExternalDataSource

Represents an external data source, which defines connection details for integration with data and content that are stored outside the Salesforce org. This object is available in API version 27.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
AuthProviderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Salesforce ID of the authentication provider, which defines the service that provides the login process and approves access to the external system. Only users with the “Customize Application” and “Manage AuthProviders” permissions can view this field. This field is available in API version 39.0 and later.
CustomConfiguration	**Type** textarea **Properties** Nillable **Description** A JSON-encoded configuration string that defines parameters specific to the type of external data source.
DeveloperName	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object’s name in a managed package and the changes are reflected in a subscriber’s organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
Endpoint	**Type** textarea **Properties** Nillable

Field Name	Details
	Description The URL of the external system, or if that URL is defined in a named credential, the named credential URL. A named credential URL contains the scheme `callout:`, the name of the named credential, and an optional path. For example: `callout:`*`My_Named_Credential`*`/`*`some_path`*. You can append a query string to a named credential URL. Use a question mark (?) as the separator between the named credential URL and the query string. For example: `callout:`*`My_Named_Credential`*`/`*`some_path`*`?format=json`.
`isWritable`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Query, Sort **Description** Lets the Lightning platform and users in this org create, update, and delete records for external objects associated with the external data source. The external object data is stored outside the org. By default, external objects are read only. Available only for Salesforce Connect external data sources. Available in API version 35.0 and later. However, with the cross-org adapter for Salesforce Connect, you can set this field to `true` only in API version 39.0 and later.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the `MasterLabel`.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** Master label for the external data source. This internal label doesn't get translated.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can

Field Name	Details
	refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation.
`PrincipalType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Specifies whether the org uses one set (`NamedUser`), multiple sets (`PerUser`), or no (`Anonymous`) credentials to access the external system. Each set of credentials corresponds to a login account on the external system. Corresponds to `Identity Type` in the user interface.
`Protocol`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Specifies whether to use OAuth, password authentication, or no authentication to access the external system. Some types of external data sources support only one value. • For cloud-based Files Connect external systems, select **Oauth 2.0**. • For on-premises systems, select **Password Authentication**. • For Simple URL data sources, select **No Authentication**.
`Repository`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Used for SharePoint Online. An optional name of the repository in the data source. Not applicable to all data source types.
`Type`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Specifies the adapter that connects to the external system.

Usage

Define an external data source to connect to data or content that's stored outside the Salesforce org. Then create external objects, which map to the external system's data and behave similarly to custom objects.

SEE ALSO:

ExternalDataUserAuth
NamedCredential

ExternalDataUserAuth

Stores authentication settings for a Salesforce user to access an external system. The external system must be defined in an external data source or a named credential that's configured to use per-user authentication. This object is available in API version 27.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AuthProviderId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Salesforce ID of the authentication provider, which defines the service that provides the login process and approves access to the external system. Only users with the "Customize Application" and "Manage AuthProviders" permissions can view this field. This field is available in API version 39.0 and later.
`ExternalDataSourceId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Salesforce ID of the external data source or named credential that defines the external system.
`Password`	**Type** encrypted string

Field Name	Details
	Properties Create, Nillable, Update **Description** Password portion of the credentials for the Salesforce user to access the external system.
Protocol	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether to use OAuth, password authentication, or no authentication when the user accesses the external system.
UserId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** ID of the Salesforce user who's accessing the external system.
Username	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Username portion of the credentials for the Salesforce user to access the external system.

Usage

These authentication settings enable a Salesforce user to access an external system. The external system is defined in Salesforce as one of the following.

- External data source—Provides access to external objects, whose data is stored outside the Salesforce organization.
- Named credential—Enables the user's actions to trigger authenticated callouts to the endpoint that's specified in the named credential.

If you grant users access to the external data source or named credential via permission sets or profiles, those users can manage their own authentication settings. See “Store Authentication Settings for External Systems” in the Salesforce Help.

SEE ALSO:

ExternalDataSource

NamedCredential

FeedAttachment

Represents an attachment to a feed item, such as a file attachment or a link. Use FeedAttachment to add various attachments to one feed item. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- You can read, create, update, or delete a FeedAttachment only if you have the corresponding access to the associated FeedItem.
- Inline images aren't creatable, updatable, or deletable through SOAP API.

Fields

Field Name	Details
`FeedEntityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the associated feed entity that contains this attachment. Currently, the only feed entity supported is FeedItem.
`RecordId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the record that this feed attachment contains. For inline images, `RecordId` is a ContentDocument ID. For content attachments, `RecordId` is a ContentVersion ID.
`Title`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The title of this feed attachment. When `Type` is `Link`, `Title` value is the label for the attachment link. Otherwise, `Title` value isn't used.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The type of this feed attachment. Valid values are: • `Content`—A content attachment. • `FeedEntity`—A feed entity, for example, a post that is shared. Available in API version 39 and later in Lightning Experience. • `InlineImage`—An inline image. The system creates an inline image attachment when an image is added to the body of the associated FeedItem. You can't add an inline image directly by using FeedAttachment. • `Link`—A link.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The string value of this FeedAttachment. This field is optional. If the feed attachment is a Link FeedAttachment, the value is the link URL string.

Usage

- This Apex example shows how to add an attachment to a Lead using API version 36.0 and later. First, post a feed item.

```
//create and insert post
FeedItem post = new FeedItem();
post.Body = 'HelloThere';
post.ParentId = 'ID_OF_LEAD_ENTITY';
post.Title = 'FileName';
insert post;
```

Then insert the attachment.

```
//create and associate a content attachment to the post
FeedAttachment feedAttachment = new FeedAttachment();
feedAttachment.FeedEntityId = post.Id;
```

```
feedAttachment.RecordId = 'ID_OF_CONTENT_VERSION';
feedAttachment.Title = 'FileName';
feedAttachment.Type = 'CONTENT';
insert feedAttachment;
```

- You can only create one link attachment (FeedAttachment of type `Link`) per feed item.
- If the feed item type is one of the following, you can add content or link feed attachments to a FeedItem.
  - `AdvancedTextPost`
  - `TextPost`
  - `ContentPost`
  - `LinkPost`
  - `QuestionPost`
- When a FeedAttachment is added or removed from a feed item, Salesforce updates the type of the feed item to its most appropriate value, as follows.
  - If all content feed attachments are removed from a feed item of type `ContentPost`, the type of this feed item is updated to `TextPost`.
  - Conversely, if a content feed attachment is added to a feed item of type `TextPost`, the type of this feed item is updated to `ContentPost`.
  - If all link feed attachments are removed from a feed item of type `LinkPost`, the type of this feed item is updated to `TextPost`.
  - Conversely, if a link feed attachment is added to a feed item of type `TextPost`, the type of this feed item is updated to `LinkPost`.
  - The type of all other feed items, such as `QuestionPost` or `AdvancedTextPost` feed items, doesn't change when any feed attachments are added or removed.
  - If a content feed attachment is added to a feed item of type `LinkPost`, the feed item type is updated to `ContentPost`.
  - If all content attachments are removed from a feed item of type `ContentPost`, but there's also a link attachment, the feed item type is updated to `LinkPost`.
- Those without administrator privileges can't retrieve a FeedAttachment by its ID in a SOQL query. They can retrieve attachments by specifying the associated `FeedEntityId`, as follows:

```
SELECT Id FROM FeedAttachment WHERE FeedEntityId = 'some_feedItem_id'
```

- Alternatively, retrieve attachments by using a SOQL query on FeedItem with a subquery on the FeedAttachments child relationship, as follows.

```
SELECT Body, (SELECT RecordId, Title, Type, Value FROM FeedAttachments)
FROM FeedItem
WHERE Id = 'some_feedItem_id'
```

- FeedAttachment is not a triggerable object. You can access feed attachments in FeedItem *update* triggers by retrieving them through a SOQL query. For a trigger example, and to learn about trigger considerations for FeedAttachment, see Triggers for Chatter Objects in the *Apex Developer Guide*.

FeedComment

Represents a comment added to a feed by a user. This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Note the following when working with feed comments.

- You must have read access to the feed's parent type to see a FeedComment record.
- You must have access to the feed to add a comment.
- If the comment is related to a user record, the user can delete the comment. For example, if John Smith makes a comment about Sasha Jones, Sasha can delete the comment.
- If the logged-in user has the "Insert System Field Values for Chatter Feeds" user permission, the `create` field property is available on `CreatedBy` and `CreatedDate` system fields. During migration, the logged-in user can set these fields to the original post's author and creation date. The fields can't be updated after migration.

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the object associated with the feed and delete permission on the parent feed
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

- "Manage Unlisted Groups"

  Only users with this permission can delete items in unlisted groups.

Fields

Field	Details
`CommentBody`	**Type** textarea **Properties** Create, Filter, Sort, Update **Description** The text in the comment.
`CommentType`	**Type** reference **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of comment: • `ContentComment`—an uploaded file on a comment

Field	Details
	• `TextComment`—a direct text entry on a comment Before API version 24.0, a text entry was required on a comment. As of version 24.0, a text entry is optional if the `CommentType` is `ContentComment`.
`FeedItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the feed containing the comment.
`HasEntityLinks`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed `CommentBody` includes at least one link to a record. Note: This field is available starting in API version 43.0.
`InsertedById`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the feed `CommentBody` contains rich text. Set `IsRichText` to `true` if you post a rich text feed comment using the SOAP API. Otherwise, the comment is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines.

Field	Details
	• <b> • <code> • <i> • <u> • <s> • • • • <img> The `<img>` tag is accessible only through the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: This attribute is available as of API version 38.0. In API version 38.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 37.0 and prior, all rich text appears as a plain-text representation.
IsVerified	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Determines whether a comment on a question is marked as Company Verified. This field is available in API version 41.0 and later.
LastEditById	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the user who last edited the feed comment.
LastEditDate	**Type** datetime **Properties** Create, Filter, Nillable, Sort **Description** The date the feed comment was last edited.
ParentId	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** ID of a record associated with the feed comment. For example, if you are commenting on a change to a field on Account, `ParentId` is set to the account ID.
`RelatedRecordId`	**Type** reference **Properties** Create, Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentComment`. This field is null for all comments except `ContentComment`. For example, set this field to an existing ContentVersion and post it to a comment as a FeedComment object of `CommentTypeContentComment`.
`Revision`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort **Description** The number of times the comment was revised.
`Status`	**Type** picklist **Properties** Create, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed comment is published and visible to all who have access to the parent feed item. To make changes to a comment's status, the comment's parent feed item must be in a published state. This field is available in API version 38.0 and later. Possible values are: • `Published`—The comment is visible to all who have access to the parent feed item. • `PendingReview`—The comment is visible to its author and to users who can see the parent feed item and have "ViewAllData" or "CanApproveFeedPostAndComment" permission. The comment can be deleted by its author and users who can see the comment and have "CanApproveFeedPostAndComment" or "ModifyAllData" permission. If the parent feed item is published, the comment can be edited by its author and users who can see the comment and have "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Comment status can be changed from Published to PendingReview and from PendingReview to Published by users who have "CanApproveFeedPostAndComment" or "ModifyAllData" permission.

Field	Details
	Some actions are blocked when a feed comment is pending review: – Select as Best—When a feed comment that is marked as best answer becomes unpublished, it's removed as the best answer. If the comment is published, its best answer status is not restored. – Like and unlike
SystemModstamp	**Type** dateTime **Properties** Defaulted on create, Filter **Description** Date and time when a user or automated process (such as a trigger) last modified this record. SystemModstamp is a read-only system field, available in FeedComment as of API version 37.0.

Usage

- As of API version 23.0 and later, if you have "View All Data" permission, you can query FeedComment records directly without an ID filter. If you don't have "View All Data" permission, you can't query FeedComment records directly, with or without an ID filter.

  For example, the following query returns general information about a feed:

```
SELECT ID, CreatedDate, CreatedById, CreatedBy.FirstName,
           CreatedBy.LastName, ParentId, Parent.Name, Body
FROM FeedItem
WHERE CreatedDate > LAST_MONTH
ORDER BY CreatedDate DESC, Id DESC
```

- You can search for text in comments using SOSL. For example, the following Java class uses `search()` to find the string "foo" in any field of a record:

```
public void searchSample() {
  try {
    SearchResult sr = connection.search("find {foo} in all fields " +
        "returning feedcomment(Id, FeedItemId, CommentBody)");
    // Put the results into an array of SearchRecords
    SearchRecord[] records = sr.getSearchRecords();
    // Check the length of the returned array of records to see
    // if the search found anything
    if (records != null && records.length > 0) {
      System.out.println("Found " + records.length + " comments: ");
      // Display each comment
      for (SearchRecord record : records) {
        FeedComment comment = (FeedComment) record.getRecord();
        System.out.println(comment.getId() + ": " +
            comment.getCommentBody());
      }
    } else {
```

```
        System.out.println("No records were found for the search.");
      }
    } catch (ConnectionException ce) {
      ce.printStackTrace();
    }
}
```

- If you use an Apex trigger to modify the `Body` of a FeedComment object, all mentions hyperlinks are converted to plain text. The mentioned users don't get email notifications.

Note: This object is hard deleted. It isn't sent to the Recycle Bin.

SEE ALSO:

NewsFeed

UserProfileFeed

FeedItem

FeedItem represents an entry in the feed, such as changes in a record feed, including text posts, link posts, and content posts. This object is available in API version 21.0 and later. This object replaces FeedPost.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

- "Manage Unlisted Groups"

  Only users with this permission can delete items in unlisted groups.

Only users with the "Modify All Data" permission can delete a FeedItem of `Type TrackedChange`.

If the logged-in user has the "Insert System Field Values for Chatter Feeds" user permission, the `create` field property is available on `CreatedBy` and `CreatedDate` system fields. During migration, the logged-in user can set these fields to the original post's author and creation date. The fields can't be updated after migration.

Fields

Field Name	Details
`BestCommentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The Id of the comment marked as best answer on a question post.
`Body`	**Type** textarea **Properties** Create, Nillable, Sort, Update on page 18 **Description** The content of the FeedItem. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed. Although a value for `Body` is not required for the `ContentPost` type, an attachment is required. If an attachment isn't present, the type changes to `TextPost` or `AdvancedTextPost`, depending on the API version. `TextPost` and `AdvancedTextPost` do require a value for `Body`. Tip: See the `IsRichText` field for a list of HTML tags supported in the body of rich text posts.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.

Field Name	Details
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Create, Nillable **Description** This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. This field is required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Create, Nillable, Sort **Description** This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. The description of the file specified in `ContentData`.
ContentFileName	**Type** string **Properties** Create, Group, Nillable, Sort **Description** This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
ContentSize	**Type** int **Properties** Group, Nillable, Sort

Field Name	Details
	Description This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. This field is the size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** This field was removed in API version 35.0, and is available in earlier versions for backward compatibility only. This field is the MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
HasContent	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item has content.
HasFeedEntity	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item has a feed entity, for example, a post, as an attachment. Available in API version 39 and later when sharing a feed entity in Lightning Experience.
HasLink	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item has a link attached.
HasVerifiedComment	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Determines whether a question has an answer that is marked as Company Verified. This field is available in API version 41.0 and later.
InsertedById	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsClosed	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** As of API version 43, a read-only field that indicates whether the Feed Item is open or closed to new actions. A value of `true` places restrictions on the actions a user can take on a feed item and its comments. For more information, see the Usage section.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastEditById`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the user who last edited the feed item.
`LastEditDate`	**Type** datetime **Properties** Create, Filter, Nillable, Sort **Description** The date the feed item was last edited.

Field Name	Details
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Create, Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the object type to which the FeedItem object is related. For example, set this field to a `UserId` to post to someone's profile feed, or an `AccountId` to post to a specific account.

Field Name	Details
`RelatedRecordId`	**Type** reference **Properties** Create, Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `Type ContentPost`.
`Revision`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort **Description** The revision number of the feed item.
`Status`	**Type** picklist **Properties** Create, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is published and visible to all who have access to the feed. This field is available in API version 37.0 and later. Possible values are: • `Published`—The feed item is visible to all who have access to the feed. • `PendingReview`—The feed item is visible to its author and to users who can see the item and have "ViewAllData" or "CanApproveFeedPostAndComment" permission. The feed item author and users who can see the item and have "CanApproveFeedPostAndComment" or "ModifyAllData" permission can delete and edit the feed item. Some actions are blocked when a feed item is pending review: – Comment – Like/unlike – Bookmark – Share
`Title`	**Type** string

Field Name	Details
	Properties Create, Group, Nillable, Sort, Update **Description** The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name. The `Title` field can be updated on posts of `Type` `QuestionPost`.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of FeedItem. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create FeedItem types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed.

Field Name	Details
	• `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values:

Field Name	Details
	• `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

- When a Feed Item's IsClosed field is set to true, some actions are blocked and others are blocked to most users. This table sets out the actions that are blocked when a Feed Item is closed.

Action	Availability on a Closed Conversation
Add a comment	Blocked
Answer a question	Blocked
Vote on a poll	Blocked
Edit a feed item or its comments or answers	Blocked to author; available to admins, moderators, and people with the Close Conversation Threads in Feeds permission Editing is blocked specifically for the feed item title, feed item body, and feed content body fields.
Edit a topic	Available
Delete a feed item or its comments or answers	Blocked to author; available to admins, moderators, and people with the Close Conversation Threads in Feeds permission
Publish a pending review comment (community moderation)	Available to admins and moderators
Like or unlike; upvote or downvote	Available
Select or remove a best answer	Blocked to author; available to admins, moderators, and people with the Close Conversation Threads in Feeds permission
Company verify; remove verification	Available only to people with the Verify Answers to Chatter Questions permission
Flag	Available
Share	Available
Bookmark	Available

Action	Availability on a Closed Conversation
Mute and unmute	Available
Escalate to case	Available only to people permitted to escalate a feed item to a case

- This Apex example shows how to add an attachment to a Lead using API version 36.0 and later. First, post a feed item.

```
//create and insert post
FeedItem post = new FeedItem();
post.Body = 'HelloThere';
post.ParentId = 'ID_OF_LEAD_ENTITY';
post.Title = 'FileName';
insert post;
```

Then insert the attachment.

```
//create and associate a content attachment to the post
FeedAttachment feedAttachment = new FeedAttachment();
feedAttachment.FeedEntityId = post.Id;
feedAttachment.RecordId = 'ID_OF_CONTENT_VERSION';
feedAttachment.Title = 'FileName';
feedAttachment.Type = 'CONTENT';
insert feedAttachment;
```

- If you are using API version 23.0 or later and have “View All Data” permission, you can directly query for a FeedItem. The following example returns the 20 most recent feed items.

```
SELECT ID, CreatedDate, CreatedById, CreatedBy.FirstName, CreatedBy.LastName, ParentId,
 Parent.Name, Body,
 (SELECT ID, FieldName, OldValue, NewValue FROM FeedTrackedChanges ORDER BY ID DESC)
FROM FeedItem
WHERE CreatedDate > LAST_MONTH
ORDER BY CreatedDate DESC
```

- If you are using an earlier API version than version 23.0, query FeedItem objects through a feed (such as AccountFeed or OpportunityFeed). The following example returns all feed items for a given account, ordered by date descending:

```
SELECT Id, Type, FeedItem.Body
FROM AccountFeed
WHERE ParentId = AccountId ORDER BY CreatedDate DESC
```

Note: Provide the `ParentId` for API version 22.0 and earlier.

- A FeedItem of type `UserStatus` is automatically created when a user adds a post to update the status. You can’t explicitly create a FeedItem of type `UserStatus`.
- The FeedItem object doesn’t support aggregate functions in queries.
- If the logged-in user has the “Insert System Field Values for Chatter Feeds” user permission, the `create` field property is available on `CreatedBy` and `CreatedDate` system fields. During migration, the logged-in user can set these fields to the original post’s author and creation date. The fields can’t be updated after migration.
- The size limit for an attachment on a profile or news feed is 25 MB.
- The size limit for an attachment on a record feed is 5 MB.

- You can't use the content fields to update or delete the content.
- You can't filter or update the content fields.
- Deleting a FeedItem via the API also deletes the associated content. Likewise, undeleting a FeedItem restores associated content.

  Note: This object is hard deleted. It isn't sent to the Recycle Bin.

- After uploading to a feed, it is possible for an attachment or document to be deleted, marked private, or hidden by sharing rules. In this case, all content fields in a FeedItem object appear as `null` in a SOQL query.
- You can't explicitly create or delete a FeedTrackedChange record.
- If you insert a FeedItem or FeedComment of `Type ContentPost` on a User or Group to create a file, the `NetworkScope` field value of the FeedItem is passed to the file.
- If you use an Apex trigger to modify the `Body` of a FeedItem object, all mentions hyperlinks are converted to plain text. The mentioned users don't get email notifications.
- If you insert rich text into the feed item body, make sure that the case of the opening and closing HTML tags matches. For example, `<b>This is bold text</B>` generates an error.
- To check file sharing with Apex triggers, write triggers on ContentDocumentLink instead of FeedItem. For a ContentDocumentLink trigger example, see ContentDocumentLink.
- In API version 36.0 and later, use FeedAttachment to attach one or more content items to a FeedItem. As a result of multiple attachment support through FeedAttachment, all fields related to content attachments have been removed. These fields are: `ContentData`, `ContentDescription`, `ContentFileName`, `ContentSize`, and `ContentType`.

FeedLike

Indicates that a user has liked a feed item. This object is available in API version 21.0 and later.

FeedLike records represent likes on posts and not likes on comments. Likes on comments can't be queried via the API. A FeedLike is a child object of an associated FeedItem, FeedTrackedChange, or object feed, such as AccountFeed.

Supported Calls

`create()`, `delete()`, `describeSObjects()`

Special Access Rules

If the logged-in user has the "Insert System Field Values for Chatter Feeds" user permission, the `create` field property is available on `CreatedBy` and `CreatedDate` system fields. During migration, the logged-in user can set these fields to the original post's author and creation date. The fields can't be updated after migration.

Fields

Field Name	Details
`FeedItemId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the feed item that the user liked.
`FeedEntityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The Id of a feed item or feed comment the user liked. If the user liked a comment, FeedEntityId is set to the ID of the comment. If the user liked a feed item, FeedEntityId is set to the ID of the feed item. FeedEntityId is an optional field. The default value is the ID of the feed item.
`InsertedById`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.

Usage

You can't query FeedLike records directly. They can only be queried via the entity feed, such as AccountFeed.

FeedLike records represent likes on posts and not likes on comments. Likes on comments can't be queried via the API.

FeedPollChoice

Shows the choices for a poll posted in the feed. This object is available in API version 29.0 and later.

Supported Calls

`query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- “Modify All Data”
- “Moderate Chatter”

  Note: Users with the “Moderate Chatter” permission can delete only the feed items and comments they see.

- “Manage Unlisted Groups”

  Only users with this permission can delete items in unlisted groups.

Fields

Field Name	Details
`ChoiceBody`	**Type** string **Properties** Group **Description** A choice in the poll.
`FeedItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the feed item for the poll.
`Position`	**Type** int **Properties** Group, Sort **Description** Shows the position of the poll choice.

Usage

Use this object to query all of the choices associated with a particular poll. To view how people voted on the poll, see the FeedPollVote object.

FeedPollVote

Shows how users voted on a poll posted in the feed. This object is available in API version 29.0 and later.

Supported Calls

`query()`, `retrieve()`

Fields

Field Name	Details
`ChoiceId`	**Type** reference **Properties** Filter, Group **Description** Indicates which choice a user selected on a poll posted in a feed.
`FeedItemId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the feed item for the poll.

Usage

Use this object to query how users voted on a particular poll.

FeedPost

FeedPost represents the following types of changes in a record feed, such as AccountFeed: text posts, link posts, and content posts. This object is available in API version 18.0 through 21.0. FeedPost is no longer available in later versions. Starting with API version 21.0, use FeedItem to represent text posts, link posts, and content posts in feeds.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `search()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

> Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Only users with the "Modify All Data" permission can delete a FeedItem of `Type` `TrackedChange`.

If the logged-in user has the "Insert System Field Values for Chatter Feeds" user permission, the `create` field property is available on `CreatedBy` and `CreatedDate` system fields. During migration, the logged-in user can set these fields to the original post's author and creation date. The fields can't be updated after migration.

Fields

Field	Details
`Body`	**Type** string **Properties** Create, Filter, Nillable, Sort **Description** The content of the FeedPost. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`ContentData`	**Type** base64 **Properties** Create, Nillable **Description** This field is required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** string **Properties** Create, Nillable, Sort **Description** The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Create, Group, Nillable, Sort **Description** This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int

Field	Details
	Properties Group, Nillable, Sort **Description** This field is the size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** This field is the MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`FeedItemId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the feed containing the FeedPost.
`InsertedById`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). This field is a standard system field.
`LinkUrl`	**Type** url **Properties** Create, Filter, Nillable, Sort

Field	Details
	Description The URL of a `LinkPost`.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the object type to which the FeedPost is related. For example, set this field to a `UserId` to post to someone's profile feed, or an `AccountId` to post to a specific account.
`Title`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The title of the FeedPost. When the `Type` is `LinkPost`, the `Body` is the URL and the `Title` is the label for the link.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The type of FeedPost: • `UserStatus`—automatically generated when a user updates their status • `TrackedChange`—ignore • `TextPost`—a direct text entry on a feed • `LinkPost`—a URL posting on a feed • `ContentPost`—an uploaded file on a feed Note: If you set `Type` to `ContentPost`, you must specify `ContentData` and `ContentFileName`.

Usage

- You can't directly query for a FeedPost. FeedPosts are always associated with a feed item, so you can query for them through the feeds. The following example returns all feed items for a given account, ordered by date descending:

```
SELECT Id, Type, FeedPost.Body
FROM AccountFeed
WHERE ParentId = AccountId ORDER BY CreatedDate DESC
```

- A FeedPost of type `UserStatus` is automatically created when a user adds a post to update the current status. You can't explicitly create a FeedPost of type `UserStatus`.
- The size limit for an attachment on a profile, news, or record feed is 2 GB.
- You can't use the content fields to update or delete the content.
- You can't filter or update the content fields.
- Deleting a FeedPost via the API also deletes the associated content and FeedPost objects. Likewise, undeleting a FeedPost restores associated content and FeedPost objects.

  Note: This object is hard deleted. It isn't sent to the Recycle Bin.

- After uploading to a feed, it is possible for an attachment or document to be deleted, marked private, or hidden by sharing rules. In this case, all content fields in FeedPost appear as `null` in a SOQL query.
- You can't explicitly create or delete a FeedTrackedChange record.

FeedRevision

Holds the revision history of a specific feed item or comment, including a list of attributes that changed for each revision. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Action`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Holds the type of modification to the underlying feed item or comment attribute. `Action` can have the value `Changed`.
`EditedAttribute`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Identifies the part of the feed item or comment which was modified. A single revision can have many edited attributes.
FeedEntityId	**Type** reference **Properties** Filter, Group, Sort **Description** Identifies the modified feed item or comment.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). This field is a standard system field.
IsValueRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>`

Field Name	Details
	• `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`OriginNetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the community in which a user modified the feed item or comment. This field is only available, if Salesforce Communities is enabled for your organization.
`Revision`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The revision number of the feed item or comment.
`Value`	**Type** textarea **Properties** Nillable **Description** Identifies the value of the `EditedAttribute` field before the update.

Usage

This object tracks the changes made to a feed item or feed comment and stores a list of attributes that changed for each revision.

- To query the FeedRevision object, users need the "View All Data" permission or supply a WHERE clause on the `FeedEntityId`.

FeedTrackedChange

Represents an individual field change or set of field changes. A FeedTrackedChange is a child object of a record feed, such as AccountFeed This object is available in API version 18.0 and later..

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Defaulted on create, Group, Restricted picklist, Sort **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO currency code for the field, if `FieldName` is a currency field.
`FeedItemId`	**Type** reference **Properties** Group, Sort, Filter **Description** ID of the parent feed that tracks the field change.
`FieldName`	**Type** string **Properties** Group, Sort **Description** The name of the field that was changed. Note: This field also tracks other events that are not related to an individual field for a parent feed. These events occur as the parent record advances through its pipeline. For example, a value of `leadConverted` indicates that a lead has been converted to an opportunity. For a full list of values, see Tracking of Special Events.
`NewValue`	**Type** anyType **Properties** Nillable, Sort

Field	Details
	Description The new value of the field that was changed.
`OldCurrencyIsoCode`	**Type** string **Properties** Group, Nillable, Sort **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO currency code for the `OldValue` field, if `FieldName` is a currency field.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The last value of the field before it was changed.

Usage

A user can subscribe to a record or to another user. Changes to the record and updates from the users are displayed in the Chatter feed on the user's home page, which is a useful way to stay up-to-date with other users and with changes made to records in Salesforce. Feeds are available in API version 18.0 and later.

If you move a custom field to the Recycle Bin, all FeedTrackedChange records that track historical changes to the custom field are automatically deleted and are not restored if the custom-field is undeleted.

The following sections outline the difference between standard feeds and custom feeds.

Standard Feeds

A standard feed is a record feed, such as AccountFeed. FeedTrackedChange records for standard feeds can only be queried via the parent feed object.

Note the following when working with standard feed items:

- Feed items for standard feeds are read only in the API.
- A FeedTrackedChange record is visible when you have read access on the record feed, and when the field in the FeedTrackedChange is visible in the field-level security settings.

Custom Feeds

If you want more control over the information provided in a record feed, such as AccountFeed, you can create a custom feed. A custom feed can replace or augment an existing record feed. For example, you might want to:

- Disable the standard account record feed and use an Apex trigger to generate FeedTrackedChange records for the events that you want to track in the feed instead.
- Augment the standard contact record feed by writing an API client that inserts feed items for events that are not tracked in the standard feed.

Tracking of Special Events

The `FieldName` field also tracks other events that are not related to an individual field for a parent feed. These events occur as the parent record advances through its pipeline. For example, a value of `leadConverted` indicates that a lead has been converted to an opportunity.

Valid values for the `FieldName` field for multiple objects:

- `created`
- `ownerAccepted`
- `ownerAssignment`

Additional valid values for the `FieldName` field for individual objects:

Account

- `accountCreatedFromLead`
- `accountMerged`
- `accountUpdatedByLead`
- `personAccountUpdatedByLead`

Case

- `closed`
- `ownerEscalated`

Contact

- `contactCreatedFromLead`
- `contactMerged`
- `contactUpdatedByLead`

Contract

- `contractActivation`
- `contractApproval`
- `contractConversion`
- `contractExpiration`
- `contractTermination`

Lead

- `leadConverted`
- `leadMerged`

Opportunity

- `opportunityCreatedFromLead`

SEE ALSO:

NewsFeed

UserProfileFeed

FieldHistoryArchive

Represents field history values for all objects that retain field history. `FieldHistoryArchive` is a big object, available only to users with the "Retain Field History" permission. This object is available in API version 29.0 and later.

Each instance of the `FieldHistoryArchive` object represents a single change in the value of a field. `FieldHistoryArchive` stores history for both standard and custom fields.

The `Field` field returns the name of the field unless the parent field or object is deleted, in which case it returns the field ID. You can use the ID to retrieve the old field and object name from the `FieldNameAfterArchival` and `ParentNameAfterArchival` fields, respectively.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`ArchiveFieldName`	**Type** string **Properties** Nillable **Description** The name of the field at the time the data was archived. If the field name changed, the name is sometimes not the same for all records related to a single field.
`ArchiveParentName`	**Type** string **Properties** Nillable **Description** The name of the parent object at the time the data was archived. If the object name changed, the name is sometimes not the same for all records related to a single field.

Field Name	Details
ArchiveParentType	**Type** string **Properties** Nillable **Description** The type of the field at the time the data was archived. If the field type changed, the type is sometimes not the same for all records related to a single field.
ArchiveTimestamp	**Type** dateTime **Properties** Nillable **Description** The date and time at which the data was archived.
CreatedById	**Type** reference **Properties** Nillable **Description** The user ID of the user who created the original record.
CreatedDate	**Type** dateTime **Properties** Nillable, Sort **Description** The date and time at which the original record was created.
Field	**Type** picklist **Properties** Filter, Nillable, Restricted picklist **Description** The name of the field that was changed. If the field is deleted from the parent object, the `Field` field contains the field ID instead.
FieldHistoryType	**Type** picklist **Properties** Nillable, Sort, Restricted picklist

Field Name	Details
	Description The name of the object that contains the field history (for example, Account).
`HistoryId`	**Type** reference **Properties** Filter, Sort **Description** The ID of the relevant history object (for example, AccountHistory). This field is available in versions 42.0 and later.
`Id`	**Type** ID **Properties** Defaulted on create, Filter, idLookup **Description** The ID of the archived record. It's useful to have a field's ID for fields that you've deleted. (Field names aren't retained in history when you delete fields from Salesforce.)
`NewValue`	**Type** anyType **Properties** Nillable **Description** The new value of the modified field.
`OldValue`	**Type** anyType **Properties** Nillable **Description** The previous value of the modified field.
`ParentId`	**Type** reference **Properties** Filter, Nillable, Sort **Description** The ID of the object that contains the field (the parent object).

Usage

When sorting fields, order them as follows:

1. `FieldHistoryType ASC`
2. `ParentID ASC`
3. `CreatedDate DESC`

FieldPermissions

Represents the enabled field permissions for the parent PermissionSet. This object is available in API version 24.0 and later.

To grant a user access to a field, associate a FieldPermissions record with a PermissionSet that's assigned to a user. FieldPermissions records are only supported in PermissionSet, not in Profile.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The field's API name. This name must be prefixed with the `SobjectType`. For example, `Merchandise__c.Description__c`
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The `Id` of the field's parent PermissionSet.
`PermissionsEdit`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, users assigned to the parent PermissionSet can edit this field. Requires `PermissionsRead` for the same field to be `true`.

Field Name	Details
PermissionsRead	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, users assigned to the parent PermissionSet can view this field. A FieldPermissions record must have at minimum `PermissionsRead` set to `true`, or it will be deleted.
SobjectType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The object's API name. For example, `Merchandise__c`.

Usage

FieldPermissions work similarly to ObjectPermissions. However, FieldPermissions includes a `Field` attribute to return the name of the field.

For example, the following query returns all FieldPermissions records that have at least the "Read" permission. The results include the field, object, and permission set names.

```
SELECT SobjectType, Field, PermissionsRead, Parent.Name
FROM FieldPermissions
WHERE PermissionsRead = True
```

Include the field's parent object when querying FieldPermissions. For example, to find all rows that match the Account object's `Type` field, create the following query:

```
SELECT Id, SobjectType, Field
FROM FieldPermissions
WHERE Field = 'Account.Type' AND SobjectType = 'Account'
```

To find which permission sets are backed by profiles with the Account object, you can use a query similar to this:

```
SELECT Id, ParentId, SobjectType, Field, PermissionsEdit, PermissionsRead, Parent.Name
FROM FieldPermissions
WHERE SobjectType = 'Account' and Parent.IsOwnedByProfile = true
ORDER BY SObjectType, Field
```

Both `SobjectType` and `Field` must be included in the `SELECT` line of the query. You must also provide the full API name of the field in the form of `SobjectType.Field` when querying for a field.

Note: When using the FieldPermission object to download records, depending on the SOQL query you use, you might not receive all expected records. Results might also appear incomplete. However, all records do download; fields that don't support field security and rows for entities not visible to the org are hidden.

Special Properties for Field Permissions

The auto-number and formula fields have special rules for how field permissions work. Both have FieldPermissions records, but inserting and updating is limited to `PermissionsRead`. `PermissionsEdit` isn't allowed for either field type, since these fields must be read-only for users.

The following field types don't return a FieldPermissions record because they are assumed to always be readable.

- `Id`
- `CreatedById`
- `CreatedDate`
- `IsDeleted`
- `LastModifiedById`
- `LastModifiedDate`
- `SystemModStamp`

The following field types don't return a FieldPermissions record because they are assumed to always be readable and writable.

- `OwnerId`
- Master-detail custom (relationship) fields
- Universally required custom fields

As a result, the following query returns no records, even though users do have some access to some of the fields.

```
SELECT Field, SobjectType, PermissionsRead
FROM FieldPermissions
WHERE Field='Id'
```

To determine if a field can return a FieldPermissions record, you can call a `describeSObject()` on the field. For example, `describeSObject('Merchandise__c')`, returns all the properties of the Merchandise custom object, including field properties. If you're using a field whose `permissionable` property is `false` (such as any of the field types listed in this section), you can't query, insert, update, or delete any field permissions records, because none exist.

Working with Custom Activity Fields

While tasks and events are considered separate objects, they share a common set of activity custom fields. As a result, when a custom task field is created, a custom event field is also created, and vice versa. You can display the custom field on the event layout, task layout, or both event and task layouts.

Although custom activity fields are shared between tasks and events, you'll see separate FieldPermissions records for the task and event. However, changes made to one field permission record are automatically made to the other. For example, if you create a custom activity field, assign field permissions to it in a permission set, and run the following query, the query will return two records with the same permission value.

```
SELECT Field, Id, ParentId, PermissionsEdit, PermissionsRead, SobjectType
FROM FieldPermissions
WHERE SobjectType = 'event' OR SobjectType ='task'
```

If you then update one of the records with a different set of field permission values and run the query again, the same permission values for both records are returned.

Nesting Field Permissions

You can nest FieldPermissions in a PermissionSet query. For example, the following returns any permission sets where "Edit Read Only Fields" is `true`. Additionally, the result set will include both the "Read" and "Edit" field permission on the Merchandise object. This is done by nesting the SOQL with a field permission query using the relationship name for field permissions: `FieldPerms`.

```
SELECT PermissionsEditReadonlyFields,
(SELECT SobjectType, Field, PermissionsRead, PermissionsEdit
FROM FieldPerms
WHERE SobjectType = 'Merchandise__c')
FROM PermissionSet
WHERE PermissionsEditReadonlyFields = true
```

As a result, it's possible to traverse the relationship between the PermissionSet and any child related objects (in this case, FieldPermissions). You can do this from the PermissionSet object by using the child relationship (`ObjectPerms`, `FieldPerms`, and so on) or from the child object by referencing the PermissionSet with `Parent.`***`permission_set_attribute`***.

It's important to consider when to use a conditional `WHERE` statement to restrict the result set. To query based on an attribute on the permission set object, nest the SOQL with the child relationship. However, to query based on an attribute on the child object, you must reference the permission set parent attribute in your query.

The following two queries return the same columns with different results, based on whether you use the child relationship or parent notation.

```
SELECT PermissionsEditReadonlyFields,
(SELECT SobjectType, Field, PermissionsRead, PermissionsEdit
FROM FieldPerms
WHERE SobjectType = 'Merchandise__c')
FROM PermissionSet
WHERE PermissionsEditReadonlyFields = true
```

versus:

```
SELECT SobjectType, Field, PermissionsRead, PermissionsEdit, Parent.Name,
   Parent.PermissionsEditReadonlyFields
FROM FieldPermissions
WHERE SObjectType='Merchandise__c'
```

SEE ALSO:

PermissionSet

ObjectPermissions

FieldServiceMobileSettings

Represents a configuration of settings that control the Field Service Lightning iOS and Android mobile app experience. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
BgGeoLocationAccuracy	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Controls the accuracy of geolocation tracking of services resources while the app is running in the background. Lowering accuracy reduces battery consumption for mobile devices. Available in API version 41.0 and later. Picklist options: 1. Medium: Accurate to within about 100 meters. The API name for this value is `Medium`. 2. Coarse: Accurate to within about 1 kilometer. The API name for this value is `Coarse`. 3. Very Coarse: Accurate to within about 3 kilometers. The API name for this value is `VeryCoarse`.
BgGeoLocationMinUpdateFreqMins	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Controls the frequency of geolocation poling of services resources while the app is running in the background. Less frequent poling decreases battery consumption for mobile devices. The label in the UI is Minimum Update Frequency of Geo Location in Minutes (Background). Available in API version 41.0 and later.
BrandInvertedColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of toasts and the contrast color of the floating action button.
ContrastInvertedColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description The color of secondary backgrounds in the UI.
`ContrastPrimaryColor`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of primary text.
`ContrastQuaternaryColor`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of secondary lines that delineate different areas of the UI.
`ContrastQuinaryColor`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of primary backgrounds in the UI.
`ContrastSecondaryColor`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of secondary text.
`ContrastTertiaryColor`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of the icons on the settings screen and of primary lines that delineate different areas of the UI.
`DefaultListViewDeveloperName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The API name of the default service appointment list view on the schedule screen.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The API name of the set of field service mobile settings.
FeedbackPrimaryColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of error messages.
FeedbackSecondaryColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of success messages.
FeedbackSelectedColor	**Type** string **Properties** Create, Defaulted on create, Group, Sort, Update **Description** The color indicating the user's current selection.
FutureDaysInDatePicker	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The number of days into the future that a user can select from the date picker on the schedule screen.

Field Name	Details
GeoLocationAccuracy	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The accuracy of service resource geolocation tracking. Lowering accuracy reduces battery consumption for mobile devices. Picklist values: • Fine: Accurate to within 10 meters. The API name for this value is `Fine`. • Medium: Accurate to within 100 meters. The API name for this value is `Medium`. • Coarse: Accurate to within 1 kilometer. The API name for this value is `Coarse`.
GeoLocationMinUpdateFreqMins	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The minimum number of minutes between attempts to poll geolocation.
IsDefault	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the set of field service mobile settings is the default set that is automatically assigned to users. You cannot make a different settings record the default, but you can modify the default settings record. Available in API version 41.0 and later.
IsSendLocationHistory	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Controls whether geolocation tracking of services resources is enabled.
IsShowEditFullRecord	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Controls whether users can edit records with the field service mobile app.

Field Name	Details
IsUseSalesforceMobileActions	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** When this option is set to true, records in the Field Service Lightning mobile app display mobile and Lightning Experience actions instead of app extensions and Salesforce Classic Publisher actions. To manage the actions that appear on a record, navigate to the record’s detail page layout from the full Salesforce site. Then, customize the actions in the Salesforce Mobile and Lightning Experience Actions section.
Language	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The localization preference for a user.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label in the UI for the set of field service mobile settings. Available in API version 41.0 and later.
MetadataCacheTimeDays	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The number of days that org metadata, such as layouts, is kept in the app’s local cache of memory.
NavbarBackgroundColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of the top bar in the app.

Field Name	Details
NavbarInvertedColor	**Type** string **Properties** Create, Defaulted on create, Group, Sort, Update **Description** The secondary color of the tap bar in the app.
PastDaysInDatePicker	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The number of days into the past that a user can select from the date picker on the schedule screen.
PrimaryBrandColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The main branding color used throughout the UI.
RecordDataCacheTimeMins	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The number of minutes that record data is kept in the app's local cache of memory.
SecondaryBrandColor	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The color of action buttons.
TimeIntervalSetupMins	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Controls the spacing of picklist options for time values such as when creating resource absences.
`UpdateScheduleTimeMins`	**Type** int **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The number of minutes between attempts to update a user's schedule.

Usage

Field Service Mobile settings allow you to create sets of settings to apply to different field service mobile users. The settings apply to both the Android and iOS versions of the app.

For example, suppose you want to accommodate workers that are color blind, or who work in particularly dark or bright conditions. You can choose different branding options for different workers to suit their needs, and assign them to their profiles.

FiscalYearSettings

Settings to define a custom or standard fiscal year for your organization. This object has a parent-child relationship with the Period object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Description of the setting.

Field	Details
EndDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** End date of the fiscal year.
IsStandardYear	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the fiscal year is a standard calendar year (`true`) or a custom fiscal year (`false`).
Name	**Type** string **Properties** Filter, Group, Sort **Description** A name for the fiscal year. Limit: 80 characters.
PeriodId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the associated fiscal period.
PeriodLabelScheme	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The numbering scheme used for fiscal periods.
PeriodPrefix	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort

Field	Details
	Description The prefix of fiscal periods. For example, if `p` is the prefix, then the first period is “P1.”
`QuarterLabelScheme`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The numbering scheme used for fiscal quarters.
`QuarterPrefix`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** The prefix of fiscal quarters. For example, if “Q” is the prefix, then the fourth quarter would be “Q4.”
`StartDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Start date of the fiscal year.
`WeekLabelScheme`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The numbering scheme used for weeks.
`WeekStartDay`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The name of the day that starts the week, for example `Monday` or `Sunday`
`YearType`	**Type** picklist

Field	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates one of two types of fiscal years, Standard or Custom. Standard denotes the standard Gregorian calendar, while Custom means a fiscal year with a custom structure.

SEE ALSO:

Period

Object Basics

FlexQueueItem

Represents an asynchronous Apex job in the Apex flex queue. Provides information about the job type and flex queue position of the AsyncApexJob. This object is available in API version 36.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Description
`AsyncApexJobId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of an AsyncApexJob that's waiting in the flex queue.
`FlexQueueItemId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The primary key for this FlexQueueItem.
`JobPosition`	**Type** int

Field Name	Description
	Properties Filter, Group, Sort **Description** The position in the flex queue of the waiting job. The highest-priority job in the queue is at position 0.
`JobType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of the job. Valid values are: • `ApexToken` • `BatchApex` • `BatchApexWorker` • `Future` • `Queueable` • `ScheduledApex` • `SharingRecalculation` • `TestRequest` • `TestWorker` Currently, queries are supported only on `BatchApex` jobs.

Usage

To find the position of an AsyncApexJob in the flex queue, query `JobPosition`. For example:

```
SELECT JobPosition FROM FlexQueueItem WHERE JobType = 'BatchApex' AND AsyncApexJobId =
'707xx000000DABC'
```

To find the job at a given position, query `AsyncApexJobId`. For example:

```
SELECT AsyncApexJobId FROM FlexQueueItem WHERE JobType = 'BatchApex' AND JobPosition = '2'
```

To find all batch jobs in the flex queue, query `JobType`. To get other information about the jobs, include AsyncApexJob in your query. For example:

```
SELECT JobType, JobPosition, AsyncApexJob.ApexClass.Name, AsyncApexJob.CreatedDate,
    AsyncApexJob.CreatedBy FROM FlexQueueItem WHERE JobType='BatchApex' AND
    AsyncApexJob.ApexClass.Name LIKE '%'BatchAJob'%' ORDER BY JobPosition DESC
```

FlowInterview

Represents a flow interview. A *flow interview* is a running instance of a flow.

Supported Calls

`delete()`, `describeLayout()`, `describeSObject()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

To delete a flow interview, you must have the “Manage Flow” user permission. All other calls require the “Run Flows” user permission or the `Flow User` field enabled on the user detail page.

Fields

Field Name	Details
`CurrentElement`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The flow element at which the interview is currently paused or waiting.
`Guid`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Globally unique identifier for the interview.
`InterviewLabel`	**Type** string **Properties** Filter, Nillable, Sort **Description** Label for the interview. This label helps users and administrators differentiate interviews from the same flow. In the user interface, this label appears in the Paused Flow Interviews component on the user’s Home tab and in the Paused and Waiting Interviews list on the flow management page.
`Name`	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name for the interview.
`OwnerId`	**Type** ID **Properties** Filter, Group, Sort **Description** The ID of the user who owns the interview. Only this user or an admin can resume the interview.
`PauseLabel`	**Type** string **Properties** Filter, Nillable, Sort **Description** Information about why the interview was paused. This string is entered by the user who paused the flow interview. The label is **Why Paused**

FlowInterviewOwnerSharingRule

Represents the rules for sharing a FlowInterview with users other than the owner. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are:

Field	Details
	• `Read` • `Edit`—In API version 42.0 and later, when **Let users resume shared flow interviews** is enabled for your org, users can resume all flow interviews that they have edit access to.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.

Field	Details
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group that's given access.

Usage

Use this object to manage the sharing rules for FlowInterview records. General sharing uses this object.

In API version 42.0 and later, when **Let users resume shared flow interviews** is enabled for your org, users can resume all flow interviews that they have edit access to. When that setting is disabled, only the owner or a flow admin can resume a flow interview. To disable this setting, go to your org's Process Automation Settings in Setup.

FlowInterviewShare

Represents a sharing entry on a FlowInterview. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the FlowInterview. The possible values are: • `Read` • `Edit`—In API version 42.0 and later, when **Let users resume shared flow interviews** is enabled for your org, users can resume all flow interviews that they have edit access to. • `All`—This value is not valid for creating or deleting records.

Field	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the FlowInterview associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). Valid values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the FlowInterview with them. • `Owner`—The User is the owner of the FlowInterview. • `Rule`—The User or Group has access via a FlowInterview sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the FlowInterview. This field can't be updated.

Usage

This object lets you determine which users and groups can view and edit flow interviews that are owned by other users.

In API version 42.0 and later, when **Let users resume shared flow interviews** is enabled for your org, users can resume all flow interviews that they have edit access to. When that setting is disabled, only the owner or a flow admin can resume a flow interview. To disable this setting, go to your org's Process Automation Settings in Setup.

FlowRecordRelation

Represents a relationship between a record and a flow interview. When a flow interview is paused, Salesforce uses the $Flow.CurrentRecord system variable in the flow to associate the interview with a record. Available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The auto-generated ID of this relation.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The flow interview that the record is related to.
`RelatedRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The record that the flow interview is related to. Make sure that this field contains only one ID, and that the ID is for a valid object. Custom objects and most standard objects are supported. To confirm whether an object is supported, see the Reference To property for this field in Workbench.

FlowStageRelation

Represents a relationship between a paused flow interview and its stages. When a flow interview is paused, Salesforce creates a FlowStageRelation record for each stage that's set to the `$Flow.CurrentStage` or `$Flow.ActiveStages` system variable. Available in API version 43.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The auto-generated ID of this relation.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** The flow interview that the record is related to.
`StageLabel`	**Type** string **Properties** Filter, Nillable, Sort **Description** Label for the stage. If the stage is translated, the label respects the language of the user who is querying the label.
`StageOrder`	**Type** int **Properties** Filter, Group, Sort **Description** The order of this stage when the flow interview was paused. This order may differ from the order in the stage definition. • If the type is Active, the order corresponds to the order of the stage in `$Flow.ActiveStages`. • If the type is Current and corresponds to an active stage, the order matches the order of the active stage. • If the type is Current and doesn't correspond to an active stage, the order is 0.
`StageType`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description Type of stage. The valid values are: • Current: Identifies that the stage is set to `$Flow.CurrentStage`. • Active: Identifies that the stage is set to `$Flow.ActiveStages`.

Usage

You can use the FlowStageRelation records to represent the paused interview and its active and current stages visually.

For example, an Online Purchasing flow interview starts with several stages in $Flow.ActiveStages. If the interview is paused, Salesforce creates a FlowStageRelation record for each stage in `$Flow.ActiveStages` or `$Flow.CurrentStage`.

StageLabel	StageType	StageOrder
Review Cart	Active	0
Shipping Details	Active	1
Billing Details	Active	2
Payment Details	Active	3
Order Confirmation	Active	4
Shipping Details	Current	1

Folder

Represents a repository for a Document, EmailTemplate, Report, or Dashboard. Only one type of item can be contained in a folder.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- You must have the "Modify All Data" permission to create, update, or delete document folders and email template folders.
- Customer Portal users can't access this object.
- To query this object, no special permissions are needed.
- As of API version 35.0, when a folder is shared with a role, it is only visible to users in that role. Superior roles in the role hierarchy don't gain visibility.
- If analytics folder sharing is turned on, then users need these permissions to create and manage report folders and dashboard folders:
  - "`Create Dashboard Folders`"

- "`Create Report Folders`"

Fields

Field	Details
`AccessType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. Indicates who can access the Folder. Available values include: • `Hidden`—Folder is hidden from everyone. • `Public`—Folder is accessible by all users. • `Shared`—Folder is accessible only by a User in a particular Group or UserRole. The API doesn't allow you to view, insert, or update which group or Role the Folder is shared with. Note: If analytics folder sharing is turned on for your organization, then this field is present but not used.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **Folder Unique Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`IsReadonly`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this Folder is read-only (`true`) or editable (`false`). Label is *`Read Only`*.

Field	Details
	Note: If analytics folder sharing is turned on for your organization, then this field is present but not used.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the folder as it appears in the user interface. Label is **Document Folder Label**.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Required. Type of objects contained in the Folder. This field can't be updated. Available values include: • `Dashboard` • `Document` • `Email template` • `Report`

Usage

Only one type of item can be contained in a folder, either Document, EmailTemplate, Report, or Dashboard.

SEE ALSO:

Object Basics

FolderedContentDocument

Represents the relationship between a parent and child ContentFolderItem in a ContentWorkspace.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ContentDocument that can be in a folder.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** File size of the ContentDocument.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the ContentDocument.
`FileType`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** File type of the ContentDocument.
`IsFolder`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the FolderedContentDocument is a folder, rather than a file.
`ParentContentFolderId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the ContentFoldr the ContentDocument resides in.
`Title`	**Type** string **Properties** Filter, Group, Sort **Description** Name of the file or folder in a ContentFolder.

ForecastingAdjustment

This object represents an individual sales manager's adjustment for a subordinate's forecast via a ForecastingItem. Available in API versions 26 and greater. This object is separate from the ForecastingOwnerAdjustment object, which represents forecast users' adjustments of their *own* forecasts.

Note: This information only applies to Collaborative Forecasts.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AdjustedAmount	**Type** double **Properties** Create, Filter, Sort, Update **Description** The revenue amount of an individual forecast item, after an adjustment.
AdjustedQuantity	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity amount of an individual forecast item, after an adjustment. This field is available in API version 28 and later.
AdjustmentNote	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A text note providing information about the adjustment. The maximum length is 140 characters. This field does not appear in reports.
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The currency code of the adjustment. If omitted, the default is the importing user's personal currency.
ForecastCategoryName	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The category within the sales cycle that an opportunity is assigned to based on its opportunity stage. The standard forecast categories are Pipeline, Best Case,

Field Name	Details
	Commit, Omitted, and Closed. You can customize forecast category names. The forecast categories display information for that specific category; for example, Best Case only reflects amounts in the Best Case category.
`ForecastingItemCategory`	**Type** picklist **Properties** Create, Filter, Group, Sort **Description** This field indicates which type of forecast rollup the manager adjustment belongs to. Depending on whether your organization uses individual forecast category rollups or cumulative forecast rollups, you have these possible values for the `ForecastingItemCategory` field. ***Individual forecast category rollups:*** • PipelineOnly - Rollup from Pipeline opportunities only. • BestCaseOnly - Rollup from Best Case opportunities only. Adjustable. • CommitOnly - Rollup from Commit opportunities only. Adjustable. ***Cumulative forecast rollups:*** • OpenPipeline - Rollup from Pipeline + Best Case + Commit opportunities. • BestCaseForecast - Rollup from Best Case + Commit + Closed opportunities. Adjustable. • CommitForecast - Rollup from Commit + Closed opportunities. Adjustable. ***Either cumulative or individual forecast category rollups:*** • ClosedOnly - Rollup from Closed opportunities only. The `ForecastingItemCategory` field differs from the `ForecastCategoryName` field. • The `ForecastCategoryName` field represents the forecast category of the *underlying opportunities* rolling up to forecast amounts. In organizations using cumulative forecast rollups, the `ForecastCategoryName` field can be null because the cumulative forecast amounts include opportunities from multiple forecast categories. • The new `ForecastingItemCategory` field represents the *type of rollup* a forecast amount or adjustment is from. In organizations using individual forecast category columns, it contains the individual forecast rollup categories. In organizations using cumulative forecast rollups, it contains the cumulative rollup categories. When inserting manager adjustments, the values you insert for `ForecastCategoryName` and `ForecastingItemCategory` must be compatible with each other. In organizations using cumulative forecast rollups, the `ForecastCategoryName` is nillable. The following pairs are valid.

Field Name	Details
	Individual forecast category rollups: • `ForecastCategoryName`: BestCase, `ForecastingItemCategory`: BestCaseOnly • `ForecastCategoryName`: Commit, `ForecastingItemCategory`: CommitOnly **Cumulative forecast category rollups:** • `ForecastCategoryName`: null, `ForecastingItemCategory`: BestCaseForecast • `ForecastCategoryName`: null, `ForecastingItemCategory`: CommitForecast
`ForecastingTypeId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the related ForecastingType.
`ForecastingItemId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the related ForecastingItem.
`IsAmount`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a revenue amount. If false, then `IsQuantity` must be true. This field is available in API version 28 and later.
`IsQuantity`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a quantity amount. If false, then `IsAmount` must be true. This field is available in API version 28 and later.

Field Name	Details
OwnerId	**Type** reference **Properties** Create,Defaulted on create, Filter, Group, Sort **Description** The ID of the forecast owner.
PeriodId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Period ID for the adjustment. Read only.
ProductFamily	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort **Description** The Product Family for the adjustment. Read only. This field is available in API version 29 and later.
StartDate	**Type** date **Properties** Create, Filter, Group, Sort **Description** The start of the adjustment, expressed as month and year. The date can include any day in a given month. Stored using the first date of the month.
Territory2Id	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the territory to forecast on. Available in API version 43 and later.

Usage

Use this object to obtain a manager's adjustment detail for a specified ForecastingItem. The ForecastingAdjustment object is visible to all users, but only forecast managers and users above them in the forecast hierarchy can read or write ForecastingAdjustment records.

Note: Beginning with API version 30.0, organizations can have more than one forecasting type enabled. The `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingItem`, and `ForecastingFact` objects can all have records with different `ForecastingTypeId` values. Use the ForecastingType object to determine the ID for each forecast type and then filter `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingItem`, or `ForecastingFact` records as necessary.

SEE ALSO:

ForecastingFact

ForecastingItem

ForecastingQuota

ForecastingDisplayedFamily

Represents the table in Forecasts Settings where an admin selects the product families that users can forecast on in Lightning Experience. This object is available in API version 40.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DisplayPosition`	**Type** int **Properties** Filter, Group, idLookup, Nillable, Sort **Description** The order in which product families are displayed on the forecasts page. Each value is unique to a product family.
`ProductFamily`	**Type** picklist **Properties** Filter, Group, Sort **Description** The product family available to forecast on. Each product family is unique.

ForecastingFact

This is a read-only object linking a ForecastingItem with its opportunities, such as opportunities that share the same owner or forecast category and have a closing date within the period of the forecasting item. Available in API versions 26 and greater.

Note: This information only applies to Collaborative Forecasts.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ForecastCategoryName`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** A forecast category is the category within the sales cycle to which an opportunity is assigned based on its opportunity stage. The standard forecast categories are Pipeline, Best Case, Commit, Omitted, and Closed. You can customize the forecast category names.
`ForecastedObjectId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Contains the Split ID of the forecasted OpportunitySplit object if the forecast data source is opportunity splits or the OpportunityLineItem ID of the forecasted opportunity if the data source is product families. If the data source is product families and the opportunity has no line item, this field is Null. If the forecast data source is opportunities, this field is Null. This field is available in API version 29 and later. Read only.
`ForecastingItemId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the ForecastingItem.

Field Name	Details
ForecastingTypeId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the related ForecastingType.
OpportunityId	**Type** reference **Properties** Filter, Group, Sort **Description** The opportunity ID.
OwnerId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the opportunity owner.
PeriodId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Period ID for the forecast.
Territory2Id	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the territory to forecast on. Available in API version 43 and later.

Usage

Use this object to get information about opportunities linked to forecasting items.

Note: Beginning with API version 30.0, organizations can have more than one forecasting type enabled. The `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingItem`, and `ForecastingFact` objects can all have records with different `ForecastingTypeId` values. Use the ForecastingType object to determine the ID for each forecast type and then filter `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingItem`, or `ForecastingFact` records as necessary.

s

SEE ALSO:

ForecastingAdjustment

ForecastingItem

ForecastingQuota

ForecastingItem

This is a read-only object used for individual forecast amounts. Users see amounts based on their perspectives and forecast roles. The amounts users see include one of the following when forecasting in revenue: `AmountWithoutAdjustments`, `AmountWithoutManagerAdjustment`, `ForecastAmount`, `OwnerOnlyAmount`. The amounts users see include one of the following when forecasting in quantity: `QuantityWithoutAdjustments`, `QuantityWithoutManagerAdjustment`, `ForecastQuantity`, `OwnerOnlyQuantity`. Available in API versions 26 and greater.

Additionally, note that users:

- with the "View All Forecasts" permission have access to all ForecastingItem fields.
- without the "View All Forecasts" permission have access to all fields for their own subordinates.

Other users can see the ForecastingItem object, but not its records.

Note: This information only applies to Collaborative Forecasts.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AmountWithoutAdjustments`	**Type** double **Properties** Filter, Sort, Nillable **Description** The sum of a person's owned revenue opportunities and the person's subordinates' opportunities, without adjustments. Subordinates include everyone reporting up to a person in the forecast hierarchy. This amount is visible only on reports.

Field Name	Details
AmountWithoutManagerAdjustment	**Type** double **Properties** Filter, Sort, Nillable **Description** The forecast number as seen by the forecast owner. This is the sum of the owner’s revenue opportunities and the owner’s subordinates’ opportunities, including adjustments made by the forecast owner on the owner's or subordinates’ forecasts. It doesn’t include adjustments made by forecast managers above the owner in the forecast hierarchy.
AmountWithoutOwnerAdjustment	**Type** double **Properties** Filter, Sort, Nillable **Description** The forecast amount as seen by the forecast owner without the owner's adjustment. This is the sum of the subordinate's opportunities, including adjustments made by their manager or by the subordinate themselves, plus the rollup of the owner's own opportunities. *It doesn’t include adjustments made by the forecast owner.*
ForecastAmount	**Type** double **Properties** Filter, Sort, Nillable **Description** The revenue forecast from the forecast manager’s perspective and the sum of the owner’s and subordinates’ opportunities, including all forecast adjustments.
ForecastCategoryName	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** A forecast category is the category within the sales cycle to which an opportunity is assigned based on its opportunity stage. The standard forecast categories are Pipeline, Best Case, Commit, Omitted, and Closed. You can customize the forecast category names.
ForecastQuantity	**Type** double

Field Name	Details
	Properties Filter, Sort, Nillable **Description** The quantity forecast from the forecast manager's perspective and the sum of the owner's and subordinates' opportunities, including all forecast adjustments. This field is available in API version 28 and later.
`ForecastingItemCategory`	**Type** picklist **Properties** Filter, Group, Sort **Description** This field indicates which type of forecast rollup the forecasting item belongs to. Depending on whether your organization uses individual forecast category rollups or cumulative forecast rollups, you have these possible values for the `ForecastingItemCategory` field. ***Individual forecast category rollups:*** • PipelineOnly - Rollup from Pipeline opportunities only. • BestCaseOnly - Rollup from Best Case opportunities only. Adjustable. • CommitOnly - Rollup from Commit opportunities only. Adjustable. ***Cumulative forecast rollups:*** • OpenPipeline - Rollup from Pipeline + Best Case + Commit opportunities. • BestCaseForecast - Rollup from Best Case + Commit + Closed opportunities. Adjustable. • CommitForecast - Rollup from Commit + Closed opportunities. Adjustable. ***Either cumulative or individual forecast category rollups:*** • ClosedOnly - Rollup from Closed opportunities only. The `ForecastingItemCategory` field differs from the `ForecastCategoryName` field. • The `ForecastCategoryName` field represents the forecast category of the *underlying opportunities* rolling up to forecast amounts. In organizations using cumulative forecast rollups, the `ForecastCategoryName` field can be null because the cumulative forecast amounts include opportunities from multiple forecast categories. • The new `ForecastingItemCategory` field represents the *type of rollup* a forecast amount or adjustment is from. In organizations using individual forecast category columns, it contains the individual forecast rollup categories. In organizations using cumulative forecast rollups, it contains the cumulative rollup categories.

Field Name	Details
`ForecastingTypeId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the related ForecastingType.
`HasAdjustment`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** A flag that indicates if the forecasting item includes a *manager* adjustment. This flag is true only when the item includes an adjustment and the user performing the query has read access to the adjustment.
`HasOwnerAdjustment`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** A flag that indicates if the forecasting item includes an *owner* adjustment. This flag is true only when the item includes an adjustment and the user performing the query has read access to the adjustment. Available in API versions 33 and greater.
`IsAmount`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a revenue amount. If false, then `IsQuantity` must be true. This field is available in API version 28 and later.
`IsQuantity`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a quantity amount. If false, then `IsAmount` must be true. This field is available in API version 28 and later.

Field Name	Details
IsUpToDate	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** A flag indicating whether or not a specific forecasting item reflects current information. For example, if users are making adjustments which are in process, the item won't be up-to-date.
OwnerId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the forecast owner.
OwnerOnlyAmount	**Type** double **Properties** Filter, Sort, Nillable **Description** The sum of a person's revenue opportunities, without adjustments.
OwnerOnlyQuantity	**Type** double **Properties** Filter, Sort, Nillable **Description** The sum of a person's quantity opportunities, without adjustments. This field is available in API version 28 and later.
ParentForecastingItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the ForecastingItem that the current item rolls up to.
PeriodId	**Type** reference

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Period ID for the forecast.
`ProductFamily`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The product family of the forecast item. This field is available in API version 29 and later. Read only.
`Territory2Id`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the territory to forecast on. Available in API version 43 and later.
`QuantityWithoutAdjustments`	**Type** double **Properties** Filter, Sort, Nillable **Description** The sum of a person's owned quantity opportunities and also his or her subordinates' opportunities, without adjustments. Subordinates include everyone reporting up to a person in the forecast hierarchy. This field is available in API version 28 and later.
`QuantityWithoutManagerAdjustment`	**Type** double **Properties** Filter, Sort, Nillable **Description** The forecast number as seen by the forecast owner. This is the sum of the owner's quantity opportunities and subordinates' opportunities, including adjustments made on the subordinates' forecasts. It doesn't include adjustments made by forecast managers above the owner in the forecast hierarchy. This field is available in API version 28 and later.

Field Name	Details
`QuantityWithoutOwnerAdjustment`	**Type** double **Properties** Filter, Sort, Nillable **Description** The forecast quantity as seen by the forecast owner without the owner's adjustment. This is the sum of the subordinate's opportunities, including adjustments made by their manager or by the subordinate themselves, plus the rollup of the owner's own opportunities. *It doesn't include adjustments made by the forecast owner*. This field is available in API version 38.0 and later.
`SubordinateOverrides`	**Type** int **Properties** Filter, Group, Sort **Description** The total number of adjustments made to a forecast down the hierarchical chain. For example, User A has a forecast without adjustments. If User A adjusts User B's forecast, User A's `SubordinateOverrides` value is 1. Then if User B adjusts User C's forecast, User A's `SubordinateOverrides` value is 2. If User A removes his adjustment from User B's forecast, User A's `SubordinateOverrides` value is 1. This field is available in API version 38.0 and later.

Usage

Use this object to obtain individual forecast amounts, either with or without adjustments, based on a user's perspective and forecast role. The ForecastingItem object is visible to all users, but only forecast managers and users above them in the forecast hierarchy can read or write ForecastingAdjustment records.

Note: Beginning with API version 30.0, organizations can have more than one forecasting type enabled. The `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingItem`, and `ForecastingFact` objects can all have records with different `ForecastingTypeId` values. Use the ForecastingType object to determine the ID for each forecast type and then filter `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingItem`, or `ForecastingFact` records as necessary.

SEE ALSO:

ForecastingAdjustment

ForecastingFact

ForecastingQuota

ForecastingOwnerAdjustment

This object represents an individual forecast user's adjustment of their *own* forecast via a ForecastingItem. Available in API versions 33 and greater. This object is separate from the ForecastingAdjustment object, which represents managers' adjustments of *subordinates'* forecasts.

Note: This information only applies to Collaborative Forecasts.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The currency code of the adjustment. If omitted, the default is the importing user's personal currency.
`ForecastCategoryName`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The category within the sales cycle that an opportunity is assigned to based on its opportunity stage. The standard forecast categories are Pipeline, Best Case, Commit, Omitted, and Closed. You can customize forecast category names. The forecast categories display information for that specific category; for example, Best Case only reflects amounts in the Best Case category.
`ForecastingItemCategory`	**Type** picklist **Properties** Create, Filter, Group, Sort **Description** This field indicates which type of forecast rollup the owner adjustment belongs to. Depending on whether your organization uses individual forecast category

Field Name	Details
	rollups or cumulative forecast rollups, you have these possible values for the `ForecastingItemCategory` field. ***Individual forecast category rollups:*** • PipelineOnly - Rollup from Pipeline opportunities only. • BestCaseOnly - Rollup from Best Case opportunities only. Adjustable. • CommitOnly - Rollup from Commit opportunities only. Adjustable. ***Cumulative forecast rollups:*** • OpenPipeline - Rollup from Pipeline + Best Case + Commit opportunities. • BestCaseForecast - Rollup from Best Case + Commit + Closed opportunities. Adjustable. • CommitForecast - Rollup from Commit + Closed opportunities. Adjustable. ***Either cumulative or individual forecast category rollups:*** • ClosedOnly - Rollup from Closed opportunities only. The `ForecastingItemCategory` field differs from the `ForecastCategoryName` field. • The `ForecastCategoryName` field represents the forecast category of the *underlying opportunities* rolling up to forecast amounts. In organizations using cumulative forecast rollups, the `ForecastCategoryName` field can be null because the cumulative forecast amounts include opportunities from multiple forecast categories. • The new `ForecastingItemCategory` field represents the *type of rollup* a forecast amount or adjustment is from. In organizations using individual forecast category columns, it contains the individual forecast rollup categories. In organizations using cumulative forecast rollups, it contains the cumulative rollup categories. When inserting owner adjustments, the values you insert for `ForecastCategoryName` and `ForecastingItemCategory` must be compatible with each other. In organizations using cumulative forecast rollups, the `ForecastCategoryName` is nillable. These are the valid pairs. **Individual forecast category rollups:** • `ForecastCategoryName`: BestCase, `ForecastingItemCategory`: BestCaseOnly • `ForecastCategoryName`: Commit, `ForecastingItemCategory`: CommitOnly **Cumulative forecast category rollups:** • `ForecastCategoryName`: null, `ForecastingItemCategory`: BestCaseForecast • `ForecastCategoryName`: null, `ForecastingItemCategory`: CommitForecast

Field Name	Details
ForecastingItemId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the related ForecastingItem.
ForecastingTypeId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the related ForecastingType.
ForecastOwnerId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the forecast owner.
IsAmount	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a revenue amount. If false, then `IsQuantity` must be true.
IsQuantity	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a quantity amount. If false, then `IsAmount` must be true.
OwnerAdjustedAmount	**Type** currency

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The revenue amount of an individual forecast item, after an adjustment.
OwnerAdjustedQuantity	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The quantity amount of an individual forecast item, after an adjustment.
OwnerAdjustmentNote	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A text note providing information about the adjustment. The maximum length is 140 characters. This field does not appear in reports.
PeriodId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Period ID for the adjustment. Read only.
ProductFamily	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort **Description** The Product Family for the adjustment. Read only.
StartDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort

Field Name	Details
	Description The start of the adjustment, expressed as month and year. The date can include any day in a given month. Stored using the first date of the month.
`Territory2Id`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the territory to forecast on. Available in API version 43 and later.

Usage

Use this object to obtain a user's adjustment detail for a specified ForecastingItem in their own forecast.

Note: Beginning with API version 30.0, organizations can have more than one forecasting type enabled. The `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingItem`, and `ForecastingFact` objects can all have records with different `ForecastingTypeId` values. Use the ForecastingType object to determine the ID for each forecast type and then filter `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingItem`, or `ForecastingFact` records as necessary.

ForecastingQuota

This object represents an individual user's quota for a specified time period. The "Manage Quotas" user permission is required for creating, updating, or deleting quotas. (Users can only edit their subordinates' quotas, not their own.) The "View All Forecasts" permission is required to View any user's forecast, regardless of the forecast role hierarchy. Available in API versions 25 and greater. Forecast managers can view the forecasts of subordinates who report to them in the forecast hierarchy.

Note: This information only applies to Collaborative Forecasts.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`CurrencyIsoCode`	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The currency code of the quota. If omitted, the default is the importing user's personal currency.
`ForecastingTypeId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the related ForecastingType.
`IsAmount`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a revenue amount. If false, then `IsQuantity` must be true. This field is available in API version 28 and later.
`IsQuantity`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** True indicates that the adjustment is made in a quantity amount. If false, then `IsAmount` must be true. This field is available in API version 28 and later.
`PeriodId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Period ID for the quota. Read only.
`ProductFamily`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort

Field Name	Details
	Description The product family for the quota. This field is available in API version 29 and later.
`Territory2Id`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the territory to forecast on. Available in API version 43 and later.
`QuotaAmount`	**Type** currency **Properties** Create, Filter, Sort, Update **Description** The revenue quota amount for an individual user and for a specific period.
`QuotaOwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID that identifies the quota owner.
`QuotaQuantity`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity quota amount for an individual user and for a specific period. This field is available in API version 28 and later.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The start of the quota, expressed as month and year. The date can include any day in a given month. Stored using the first date of the month.

Usage

Use this object to get an individual user's quota for a specified time period.

> **Note:** Beginning with API version 30.0, organizations can have more than one forecasting type enabled. The `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingItem`, and `ForecastingFact` objects can all have records with different `ForecastingTypeId` values. Use the ForecastingType object to determine the ID for each forecast type and then filter `ForecastingQuota`, `ForecastingAdjustment`, `ForecastingItem`, or `ForecastingFact` records as necessary.

SEE ALSO:

- ForecastingAdjustment
- ForecastingFact
- ForecastingItem

ForecastingType

This object is used to identify the forecast type associated with `ForecastingAdjustment`, `ForecastingOwnerAdjustment`, `ForecastingQuota`, `ForecastingFact`, and `ForecastingItem` objects. Available in API versions 30.0 and greater.

> **Note:** This information only applies to Collaborative Forecasts.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`CanDisplayQuotas`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Whether a forecast type can show quota information. Available in API version 38.0 and later.
`DateType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The date type that forecast amounts are based on. Values are:

Field Name	Details
	• `OpportunityCloseDate`: Base forecasts on opportunity close dates. • `ProductDate`: Base forecasts on opportunity product line item dates, if available. • `ScheduleDate`: Base forecasts on opportunity product schedule dates, if available. Available in API version 42.0 and later.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the forecasting type. Allowed values include: • `OpportunityRevenue` : Opportunities - Revenue • `OpportunityRevenueProductDate` : Opportunities - Revenue by product date. Available in API version 43.0 and later. • `OpportunityRevenueScheduleDate` : Opportunities - Revenue by schedule date. Available in API version 43.0 and later. • `OpportunityQuantity` : Opportunities - Quantity • `OpportunityQuantityProductDate` : Opportunities - Quantity by product date. Available in API version 43.0 and later. • `OpportunityQuantityScheduleDate` : Opportunities - Quantity by schedule date. Available in API version 43.0 and later. • `OpportunitySplitRevenue` : Opportunity Revenue Splits - Revenue • `OpportunityOverlayRevenue` : Opportunity Overlay Splits - Revenue • `OpportunityLineItemRevenue` : Product Families - Revenue • `OpportunityLineItemQuantity` : Product Families - Quantity • The name of a custom opportunity split type that has been enabled as a forecast type. Custom split types are based on currency fields, which can contain revenue amounts only. The `DeveloperName` is called `name` in the Metadata API and Forecasting Type in custom reports.
`HasProductFamily`	**Type** boolean **Properties** Defaulted on create, Group **Description** Indicates whether a forecasts view includes product families. Available in API version 40.0 and later.

Field Name	Details
IsActive	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the forecasting type is enabled.
IsAmount	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the forecasting type is based on the revenue measurement.
IsQuantity	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the forecasting type is based on the quantity measurement.
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the forecasting type.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** Master label for this Forecasting Type value. This display value is the internal label that does not get translated.
OpportunitySplitTypeId	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Indicates whether the forecasting type has a split type, and if so, the name the split type. Available in API version 41.0 and later.
`RoleType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Indicates whether the role type has a forecasting type, and if so, which forecasting type. Possible values are `R` (user role-based forecasting type), `T` (Territory1-based forecasting type; not used), and `Y` (Territory2-based forecasting type). Available in API version 41.0 and later.
`Territory2ModelId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates whether the forecasting type has a Territory2 model, and if so, the name of the Territory2 model. Available in API version 41.0 and later.

Usage

Use this object to identify the forecast type of `ForecastingAdjustment`, `ForecastingQuota`, `ForecastingFact`, and `ForecastingItem` objects.

ForecastingUserPreference

Represents the forecasting selections that a user has made, such as display options, date range, forecasting type, and currency.

Note: This information applies to Collaborative Forecasts and not to Customizable Forecasts.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `update()`, `upsert()`

Fields

Field Name	Details
`ExternalId`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A unique system-generated numerical identifier for the user.
`ForecastingDisplayedTypeId`	**Type** reference **Properties** Create, Group, Sort, Update **Description** An identifier for the forecasting type that's displayed.
`ForecastingPeriodDuration`	**Type** int **Properties** Create, Group, Nillable, Sort, Update **Description** How long the forecasting period lasts.
`ForecastingPeriodType`	**Type** picklist **Properties** Create, Group, Nillable, Restricted picklist, Sort, Update **Description** The forecasting period's type. Valid values include: Month, Quarter, Week, or Year
`ForecastingStartPeriod`	**Type** int **Properties** Create, Group, Nillable, Sort, Update **Description** The date when the forecasting period begins.
`ForecastingViewCurrency`	**Type** string

Field Name	Details
	Properties Create, Group, Nillable, Sort, Update **Description** The currency shown on the forecasts page.
`IsForecastingHideZeroRows`	**Type** boolean **Properties** Create, Defaulted on create, Group, Sort, Update **Description** Whether the forecasts page shows zero-value rows.
`IsForecastingShowQuantity`	**Type** boolean **Properties** Create, Defaulted on create, Group, Sort, Update **Description** Whether the forecasts page shows forecast quantity.
`IsHideForecastingGuidedTour`	**Type** boolean **Properties** Create, Defaulted on create, Group, Sort, Update **Description** Whether the forecasts page shows the guided tour.
`IsHideForecastingQuotaColumn`	**Type** boolean **Properties** Create, Defaulted on create, Group, Sort, Update **Description** Whether the forecasts page shows a quota column.
`IsShowForecastingQuotaAttainment`	**Type** boolean **Properties** Create, Defaulted on create, Group, Sort, Update **Description** Whether the forecasts page shows quota attainment information (Salesforce Classic only).

ForecastShare

Represents the sharing of a customizable forecast at a given role and territory.

Note: This information applies to Customizable Forecasting and not Collaborative Forecasts.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`AccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** A value (`Read`, `Edit`, or `All`) that represents the type of sharing being allowed.
`CanSubmit`	**Type** boolean **Properties** Filter, Group, Sort **Description** Indicates whether the user or group can submit forecasts (`True`) or not (`False`).
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include:

Field	Details
	• `Manual`—The User or Group has access because a User has manually shared the forecast with them. • `Owner`—The User is the owner of the forecast.
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID representing the User or Group being granted access.
`UserRoleId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the UserRole associated with this object.

Usage

This object allows you to determine which users and groups can view or submit forecasts owned by other users.

Goal

The Goal object represents the components of a goal such as its name, description, and status.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CompletionDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The completion date of the goal.

Field Name	Details
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the goal. The maximum length is 65,535 characters.
DueDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date the goal is due.
ImageUrl	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL for the goal image. The image must be stored in Documents and set as externally available. Applicable only to Goal objects of Type: Goal.
IsKeyCompanyGoal	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the goal is a key company goal.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp that indicates when a user last viewed a record that is related to this goal.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp that indicates when a user last viewed this goal. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the goal. The maximum length is 255 characters.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the user who owns the goal.
`Progress`	**Type** percent **Properties** Filter, Nillable, Sort **Description** The progress of the goal measured as a percentage.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The start date of the goal.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The status of the goal. Possible values: • Draft

Field Name	Details
	• Published • Completed • Canceled • Not Completed

GoalFeed

Represents a single feed item in the feed displayed for a Goal record. The goal feed shows changes to a goal for fields that are tracked in feeds, posts, and comments about the goal.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is TextPost. Optional when `Type` is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The numbers of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable

Field Name	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets `Type` to ContentPost.
`ContentSize`	**Type** int **Properties** Available in API version 36.0 and earlier only. Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string **Properties** Available in API version 36.0 and earlier only. Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.

Field Name	Details
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the goal record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email

Field Name	Details
	tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event.

Field Name	Details
	• `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.

GoalHistory

This read-only object contains historical information about changes that have been made to the Goal object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`GoalId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the goal.

Field Name	Details
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

GoalLink

Represents the relationship between two goals. This is a many-to-many relationship, meaning that each goal can link to many other goals.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The auto-generated name of the goal link.
ParentGoalId	**Type** reference **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The ID of the parent goal.
`SubgoalId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the subgoal.

GoalShare

Represents a sharing entry on a Goal object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the goal. The possible values are: • Read Only • Read/Write • Owner This field must be set to an access level that is higher than the organization's default access level for goals.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description ID of the goal that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the Goal or is in a user role above the Goal owner in the role hierarchy. • Manual: User or group has access because a user with "All" access manually shared the Goal with the user or group. • Rule: User or group has access via a Goal sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the Goal. This field can't be updated.

GoogleDoc

Represents a link to a Google Document. This object is available in API version 14.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

This object is available in **All** Editions except **Database.com** for Google Apps Premier Edition accounts. See the Salesforce online help for more information.

Fields

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the Google document.
Owner	**Type** reference **Properties** Create, Defaulted on create, Filter, Nillable, Update **Description** The ID of the user who currently owns this Google Document. Default value is the user logged in to the API to perform the create.
ParentId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the attachment's parent object. The following objects are supported as parents of Google documents: Account, Asset, Campaign, Case, Contact, Contract, Custom Objects, Lead, Opportunity, Product2, and Solution.
Url	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The URL of the Google document.

Group

A set of User records.

Groups are sets of users. They can contain individual users, other groups, the users in a particular role or territory, or the users in a particular role or territory plus all the users below that role or territory in the hierarchy.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `search()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`DefaultDivision`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** This record's default division. Only applicable if divisions are enabled for your organization.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Group Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`DoesIncludeBosses`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether the managers have access (`true`) or do not have access (`false`) to records shared with members of the group. This field is only available for public groups. This field is available in API version 18.0 and later.
`DoesSendEmailToMembers`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the email is sent (`true`) or not sent (`false`) to the group members. The email is sent to queue members as well.
`Email`	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Email address for a group of type Case. Applies only for a case queue.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the group. Corresponds to **Label** on the user interface.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who owns the group.
`QueueRoutingConfig`	**Type** reference **Properties** Create, Delete, Query, Retrieve, Update **Description** The ID of the queue routing configuration associated with the queue.

Field	Details
`RelatedId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Represents the ID of the associated groups. For groups of type "Role," the ID of the associated UserRole. The `RelatedId` field is polymorphic.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Required. Type of the group. One of the following values: • `Regular`—Standard public group. When you `create()` a group, its type must be `Regular`, unless a partner portal is enabled for the organization, in which case the type can be `Regular` or `PRMOrganization`. • `Role`—Public group that includes all the User records in a particular UserRole. • `RoleAndSubordinates`—Public group that includes all the User records in a particular UserRole and all the User records in any subordinate UserRole. • `Organization`—Public group that includes all the User records in the organization. This group is read-only. • `Case`—Public group of users, members of a queue that can own a Case. • `Lead`—Public group of users, members of a queue that can own a Lead. • `Manager`—Public group that includes a user's direct and indirect managers. This group is read-only. • `ManagerAndSubordinatesInternal`—Public group that includes a user and the user's direct and indirect reports. This group is read-only. • `PRMOrganization`—Public group that includes all the partners in an organization that has the partner portal feature enabled. • `Queue`—Public group that includes all the User records that are members of a queue. • `Territory`—Public group that includes all the User records in an organization that has the territory feature enabled. • `TerritoryAndSubordinates`—Public group that includes all the User records in a particular UserRole and all the User records in any subordinateUserRole in an organization that has the territory feature enabled. • `ChannelProgramGroup`—Public group for partners in a channel program. • `CollaborationGroup`—Chatter group. Only `Regular`, `Case`, and `Lead` can be used when creating a group. The other values are reserved.

Usage

Unlike users, this object can be deleted. Any User can access this object—no special permissions are needed.

Only public groups are accessible via the API. Personal groups are not available.

In API version 34.0 and later, you can query a group using `Related.Name` to retrieve the group's name. `Related.Name` is supported for public groups, user roles, territories, manager groups, and user names.

In API version 13.0 and later, if you delete a public group, it is deleted even if it has been used in sharing, consistent with the behavior for UserRole. In versions before 13.0, such sharing prevents the record from being deleted.

SEE ALSO:

GroupMember

Object Basics

GroupMember

Represents a User or Group that is a member of a public group.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users cannot access this object.

Fields

Field	Details
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Group.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the User or Group that is a direct member of the group.

Usage

A record exists for every User or Group who is a direct member of a public group whose `Type` field is set to Regular. User records that are indirect members of Regular public groups are not listed as group members. A User can be an indirect member of a group if he or she is in a UserRole above the direct group member in the hierarchy, or if he or she is a member of a group that is included as a subgroup in that group.

If you attempt to create a record that matches an existing record, system simply returns the existing record.

SEE ALSO:

Object Basics

HashtagDefinition

HashtagDefinition represents hashtag (#) topics in public Chatter posts and comments. Public posts and comments include those on profiles and in public groups, but not those on records or in private groups. This object is available in API version 26.0 and later.

Important: Starting in Spring '16, API access to HashtagDefinition is disabled across all API versions. Any integrations relying on API queries to this object stop working. You can continue to use hashtags in posts and comments, and the hashtags continue to create corresponding topics. We recommend that you redirect all API queries and reports using the HashtagDefinition object to use the Topic object instead. For more information, see Retiring the Legacy HashtagDefinition Object—FAQs.

Supported Calls

`delete(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()`

Fields

Field Name	Details
`HashtagCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of times a hashtag topic is used.
`Name`	**Type** string **Properties** Filter, Nillable, Sort **Description** The string of characters following the hashtag (#) in a hashtag topic.
`NameNorm`	**Type** string

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The string of characters following the hashtag (#) in a hashtag topic, normalized to remove capitalization and punctuation.
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Identifier of the community to which the HashtagDefinition belongs. This field is available only if Salesforce Communities is enabled in your organization.

Usage

Use this object to identify public hashtag topics and see how often they're used.

SEE ALSO:

Topic

Holiday

Represents a period of time during which your customer support team is unavailable. Business hours and escalation rules associated with business hours are suspended during any holidays with which they are affiliated.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

All users, even those without the "View Setup and Configuration" user permission, can view holidays via the API.

Fields

Field	Details
`ActivityDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** If the Holiday `IsAllDay` flag is set to `true` (indicating that it is an all-day holiday), then the holiday due date information is contained in the `ActivityDate` field. This field is a date field with a timestamp that is always set to midnight in the Coordinated Universal Time (UTC) time zone. The timestamp is not relevant, and you should not attempt to alter it to account for any time zone differences.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the holiday.
`EndTimeInMinutes`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The end time of the holiday in minutes.
`IsAllDay`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the duration of the holiday is all day (`true`) or not (`false`).
`IsRecurrence`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the holiday is scheduled to repeat itself (`true`) or only occurs once (`false`). This is a read only field on update, but not on create. If this field value is `true`, then any recurrence fields associated with the given recurrence type must be populated.

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the holiday.
RecurrenceDayOfMonth	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The day of the month on which the holiday repeats.
RecurrenceDayOfWeekMask	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The day or days of the week on which the holiday repeats. This field contains a bitmask. For each day of the week, the values are as follows: • Sunday = `1` • Monday = `2` • Tuesday = `4` • Wednesday = `8` • Thursday = `16` • Friday = `32` • Saturday = `64` Multiple days are represented as the sum of their numerical values. For example, Tuesday and Thursday = 4 + 16 = 20.
RecurrenceEndDateOnly	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last date on which the holiday repeats. For multiday recurring events, this is the day on which the last occurrence starts.
RecurrenceInstance	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The frequency of the recurring holiday. For example, `2nd` or `3rd`.
`RecurrenceInterval`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The interval between recurring holidays.
`RecurrenceMonthOfYear`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The month of the year on which the event repeats.
`RecurrenceStartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date when the recurring holiday begins. Must be a date and time before `RecurrenceEndDateOnly`.
`RecurrenceType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates how often the holiday repeats. For example, daily, weekly, or every Nth month (where "Nth" is defined in `RecurrenceInstance`).
`StartTimeInMinutes`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The start time of the holiday in minutes.

Usage

Use this object to view and update holidays, which specify dates and times at which associated business hours and escalation rules are suspended.

IconDefinition

Represents the icon-related metadata for a custom tab. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`ContentType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The tab icon's content type, for example, "image/png."
`DurableId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A unique virtual Salesforce ID for the icon.
`Height`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The tab icon's height in pixels. If the icon content type is an SVG type, height and width values are not used.
`TabDefinitionId`	**Type** string **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The `TabDefinition` ID.
`Theme`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The icon's theme.
`Url`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The fully qualified URL for this icon.
`Width`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The tab icon's width in pixels. If the icon content type is an SVG type, height and width values are not used.

Idea

Represents an idea on which users are allowed to comment and vote, for example, a suggestion for an enhancement to an existing product or process. This object is available in API version 12 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Note: For other standard objects, the `describeLayout()` call returns the `recordTypeMappings` section that contains the layout ID and picklist values for each record type. However, the `recordTypeMappings` section and the fields it includes are not available for the Idea object.

When performing a SOSL search on Idea objects, IdeaComment objects are also searched.

Fields

Field	Details
AttachmentBody	**Type** base64 **Properties** Create, Nillable, Update **Description** File data for the attachment. This field is available in API version 28.0 and later.
AttachmentContentType	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Type of the attachment. This field is available in API version 28.0 and later.
AttachmentLength	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the attachment in bytes. This field is available in API version 28.0 and later.
AttachmentName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the attachment. This field is available in API version 28.0 and later.
Body	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the Idea.
Categories	**Type** multipicklist

Field	Details
	Properties Create, Filter, Nillable, Update **Description** Customizable multi-select picklist used to organize Ideas into logical groupings. Note: This field is only available if your organization has the `Categories` field enabled. This field is enabled by default in organizations created after API version 14 was released. If the `Categories` field is enabled, API versions 13 and earlier do not have access to either the `Categories` or `Category` fields.
`Category`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Customizable picklist of values used to organize Ideas into logical groupings. Note: This field is not available if your organization has the multi-select `Categories` field enabled.
`CommunityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The zone ID associated with the idea. Once you create an idea, you can't change the zone ID associated with that idea. Note: API version 12 does not support zone ID. If you create an idea in version 12, your idea is automatically posted to the oldest zone that you have permission to access.
`CreatorFullPhotoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo. This field is available in API version 28.0 and later.
`CreatorName`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Name of the user who posted the idea or commented on the idea. This field is available in API version 28.0 and later.
`CreatorSmallPhotoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's thumbnail photo. This field is available in API version 28.0 and later.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`IdeaThemeID`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Identifies the idea theme associated with the idea.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsHtml`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Read-only. If this value is `true`, your organization has the Ideas HTML editor enabled, and the Idea `Body` may contain HTML. If this value is `false`, the HTML editor is disabled and the Idea `Body` only contains regular text.
`IsMerged`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read only. Indicates whether the idea has been merged with a parent idea (`true`) or not (`false`). You can't vote for or add comments to a merged idea. Note: In API version 27, `IsMerged` replaces `IsLocked`. Existing formula fields that use `IsLocked` must be edited to use `IsMerged`.
`LastCommentDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time the last comment (child IdeaComment object) was added.
`LastCommentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Read only. The ID of the last comment (child IdeaComment object).
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update

Field	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`NumComments`	**Type** int **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** The number of comments (child IdeaComment objects) that users have submitted for the given idea.
`ParentIdeaId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID associated with this idea's parent idea. When multiple ideas are merged together, one idea becomes the parent (master) of the other ideas. The `ParentIdeaId` is automatically set when you merge ideas.
`RecordTypeId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the record type assigned to this object.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Customizable picklist of values used to specify the status of an idea.
`Title`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The descriptive title of the idea.

Field	Details
VoteScore	**Type** double **Properties** Filter, Nillable, Sort **Description** The internal score of the Idea, used to sort Ideas on the Popular tab in the application user interface. The internal algorithm that determines the score gives older votes less weight than newer votes, simulating exponential decay. The score itself does not display in the application user interface. Note: Unlike other fields of type double, you can't use a SOQL aggregate function with this field.
VoteTotal	**Type** double **Properties** Filter, Nillable, Sort **Description** An Idea's total number of points. Each vote a user makes is worth ten points, therefore the value of this field is ten times the number of votes an idea has received. Note: Unlike other fields of type double, you can't use a SOQL aggregate function with this field.

Note: If you are importing Idea data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

Use this object to track ideas, which are written suggestions on which users can vote and comment.

SEE ALSO:

IdeaComment

Vote

IdeaComment

Represents a comment that a user has submitted in response to an idea.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Note: When performing a SOSL search on IdeaComment objects, Idea objects are also searched.

Fields

Field	Field Type
`CommentBody`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Body of the submitted comment.
`CommunityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The zone ID associated with the idea. Once you create an idea, you can't change the zone ID associated with that idea. Note: API version 12 does not support zone ID. If you create an idea in version 12, your idea is automatically posted to the oldest zone that you have permission to access.
`CreatorFullPhotoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo. This field is available in API version 28.0 and later.
`CreatorName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the user who posted the idea or commented on the idea. This field is available in API version 28.0 and later.

Field	Field Type
CreatorSmallPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's thumbnail photo. This field is available in API version 28.0 and later.
IdeaId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the idea on which this comment was made.
IsHtml	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. If this value is `true`, your organization has the Ideas HTML editor enabled, and the `CommentBody` field may contain HTML. If this value is `false`, the HTML editor is disabled and the `CommentBody` field only contains regular text.
UpVotes	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of up votes for the question.

Note: If you import these records, and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself.

Usage

Use this object to track comments on ideas, which are users' text responses to ideas.

SEE ALSO:

Idea

Vote

IdeaReputation

Represents a collection of statistics and scores derived from a user's activity within an Ideas zone or internal organization. This object is available in API version 28.0 and later.

Supported Calls

`query()`, `retrieve()`,

Fields

Field	Details
`CommentCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of comments a user has created in a zone or the internal organization. This number excludes comments the user creates on his or her own idea.
`CommentsReceivedCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of comments a user has received in a zone or the internal organization.
`ContextId`	**Type** reference **Properties** Filter, Group, Namepointing, Nillable, Sort **Description** The ID of the zone or internal organization.
`DownVotesGivenCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of down votes a user has given in a zone or the internal organization.

Field	Details
DownVotesReceivedCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of down votes a user has received in a zone or the internal organization.
IdeaCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of ideas a user has created in a zone or the internal organization.
ReputationLevel	**Type** string **Properties** Nillable **Description** The reputation level that a user has achieved based on their score in a zone or within an organization.
Score	**Type** double **Properties** Filter, Nillable, Sort **Description** The total score of a user’s activity within a zone or within an organization.
UpVotesGivenCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of up votes a user has given in a zone or the internal organization. This number doesn’t include the default vote the system applies when the user creates the idea.
UpVotesReceivedCount	**Type** int **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The number of up votes a user has received in a zone or the internal organization.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** The user ID associated with the reputation.

Usage

Use to query a user's reputation within a zone.

IdeaReputationLevel

Represents a reputation level within an Ideas zone or internal organization and is used by the system to calculate reputation. You can create up to 25 levels per zone or internal organization. This object is available in API version 28.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ContextId`	**Type** reference **Properties** Create, Filter, Group, Namepointing, Sort, Update **Description** The ID of the zone or internal organization.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description Name of the reputation level. The name must be unique within the zone or internal organization. Maximum size is 50 characters.
`Threshold`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Minimum number of points for this level. The threshold must be unique within the zone or internal organization and must be greater than or equal to zero.

Usage

Use to create or edit reputation levels for an Ideas zone or internal organization.

IdeaTheme

Represents an invitation to community members to submit ideas that are focused on a specific topic. This object is available in API version 26 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`,

Fields

Field Name	Details
`Categories`	**Type** multipicklist **Properties** Create, Filter, Nillable, Update **Description** Customizable multi-select picklist used to organize ideas and idea themes into logical groupings.
`CommunityId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, **Description** The zone ID associated with the idea theme.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the idea theme.
`EndDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date marking the end of the idea theme.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`StartDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date that the idea theme begins.

Field Name	Details
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** Customizable picklist of values used to specify the status of the idea theme.
`Title`	**Type** string **Properties** Create, Filter, Group, idLookup, Namefield, Sort, Update **Description** Title of the idea theme.

Usage

Use the object to track ideas that are submitted to an idea theme.

Individual

Represents a customer's data privacy and protection preferences. Data privacy records based on the Individual object store your customers' preferences. Data privacy records are associated with related leads and contacts. This object is available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

- This object is available if Data Protection and Privacy is enabled.
- The Individual object isn't available for Customer Community, Partner Community, and Customer Portal users.

Fields

Field Name	Details
`Birthdate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The customer's birthdate.
CanStorePiiElsewhere	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indication that you can store the customer's personally identifiable information (PII) outside of their legislation area. For example, you could store an EU citizen's PII data in the US.
FirstName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The customer's first name. Maximum size is 40 characters.
HasOptedOutGeoTracking	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to not track geolocation on mobile devices.
HasOptedOutProcessing	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to not process personal data, which can include collecting, storing, and sharing personal data.
HasOptedOutProfiling	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to not process data for predicting personal attributes, such as interests, behavior, and location.

Field Name	Details
HasOptedOutSolicit	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to not solicit products and services.
HasOptedOutTracking	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to not track web activity.
IndividualsAge	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates whether the customer is considered to be a minor.
LastName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The customer's last name. Maximum size is 80 characters.
Name	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName` and `LastName`. Maximum size is 121 characters.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description The ID of the owner of the account associated with this customer.
`Salutation`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The title for addressing the customer, such as Dr. or Mrs.
`SendIndividualData`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to export personal data for delivery to the customer.
`ShouldForget`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Preference to delete records and personal data related to this customer.

IndividualHistory

Represents the history of changes to values in the fields of a data privacy record, based on the Individual object. This object is available in versions 42.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- This object is available if Data Protection and Privacy is enabled.
- The Individual object isn’t available to Customer Community, Partner Community, and Customer Portal users.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the changed field.
`IndividualId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the data privacy record. Label is **Individual ID**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The updated value of the changed field.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The previous value of the changed field.

Usage

Use this object to identify changes to data privacy records.

This object respects field-level security on the parent object.

IndividualShare

Represents a list of access levels to a data privacy record along with an explanation of the access level. For example, if you have access to a record because you own it, the `IndividualAccessLevel` is `All` and `RowCause` is Owner. This object is available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- This object is available if Data Protection and Privacy is enabled.
- The Individual object isn't available to Customer Community, Partner Community, and Customer Portal users.

Fields

Field Name	Details
`IndividualAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the data privacy record. The possible values include: • `Read` • `Edit` • `All` (Except for create or update.) Set this field to an access level that's higher than your default access level for individuals.
`IndividualId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the Individual associated with this sharing entry. This field isn't available for updates.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Write to this field when its value is omitted or set to `Manual` (default). We give you some of the many possible values, including: • `Manual`—The user or group has access because a user with "All" access manually shared the data privacy record with them.

Field Name	Details
	• `Owner`—The user is the owner of the data privacy record. • `Rule`—The user or group has access to the data privacy record via an Individual sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the data privacy record. This field isn't available for updates.

Usage

This object lets you determine which users and groups can view or edit Individual records owned by other users.

KnowledgeableUser

Represents a user identified as knowledgeable about a specific topic, and ranks them relative to other knowledgeable users. This object is available in API version 31.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the community the topic exists in. This field is available only if Salesforce Communities is enabled for your organization.
`RawRank`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Rank of this user's knowledge on the topic relative to other users.
`TopicId`	**Type** reference **Properties** Filter, Group, Sort **Description** Unique ID for the topic in Salesforce.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** Unique ID for the user in Salesforce.

KnowledgeArticle

Provides read-only access to an article and the ability to delete the master article. This object is available in API version 19.0 and later.

Unlike KnowledgeArticleVersion, the ID of a KnowledgeArticle record is identical irrespective of the article's version (status). For more information on articles and article types, see “Work with Articles and Translations” and “Knowledge Article Types” in the Salesforce online help.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

A user must have the “View Articles” permission enabled. Salesforce Knowledge users, unlike Customer Portal and partner portal users, must also be granted the `Knowledge User` feature license.

Fields

Field Name	Details
`ArchivedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The ID of the user who archived the article.
ArchivedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the article was archived.
ArticleNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The unique number automatically assigned to the article when it's created. You can't change the format or value for this field.
CaseAssociationCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of cases attached to the article.
FirstPublishedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the article was first published.
LastPublishedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the article was last published.
LastReferencedDate	**Type** date

Field Name	Details
	Properties Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`MasterLanguage`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The article's original language. Only accessible if your knowledge base supports multiple languages.

Usage

Use this object to query or retrieve articles. KnowledgeArticle can be used in a SOQL clause, but doesn't provide access to the fields from the article. Provides read-only access to an article and the ability to delete the master article.

Usage for SOQL with KnowledgeArticle

- To expose the *migrated_to_from_id* on **KnowledgeArticle** and **KnowledgeArticleVersion** to the sObject API: expose **MigratedToFromArticle** in **KnowledgeArticle**. The org must have pref **LightningKnowledgeEnabled**. For SOQL:
  1. To filter by **MigratedToFromArticle**, remove any other filters.
  2. When filtering by **MigratedToFromArticle**, use the '=' or 'IN' operator.
  3. When filtering by **MigratedToFromArticle**, the value can't be null or empty.

SEE ALSO:

KnowledgeArticleVersion

KnowledgeArticleVersion

Provides a global view of standard article fields across all article types depending on their version. This object is available in API version 18.0 and later.

Use this object to:

- Query or search generically across multiple article types.
- Filter on a specific version.
- Update standard fields, those fields that are updateable, in draft versions.

When you query on the archived article, the results include both the article and the article's archived versions.

Note: You can't update draft translations with the API.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, and `update()`.

Note:

- You can only update draft versions.
- To create, update, or delete a Knowledge article version, use the call on *ArticleType*_kav, where *ArticleType* is the name of the article's type. For example, to delete, use *ArticleType*_kav.delete().

Special Access Rules

A user must have the "View Articles" permission enabled. Salesforce Knowledge users, unlike Customer Portal and partner portal users, must also be granted the `Knowledge User` feature license to view and edit article versions.

Fields

Field Name	Details
`ArchivedById`	**Type** reference **Properties** Filter, Nillable **Description** The ID of the user who archived the article.
`ArchivedDate`	**Type** dateTime **Properties** Filter, Nillable

Field Name	Details
	Description The date when the article was archived.
`ArticleNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter **Description** The unique number automatically assigned to the article when it's created. You can't change the format or value for this field.
`ArticleType`	**Type** string **Properties** Defaulted on create,Filter **Description** Indicates the API Name of the article type. The `ArticleType` is assigned to the article when it's created. You can't change the value of this field. This field is available in API version 26.0 and later.
`FirstPublishedDate`	**Type** dateTime **Properties** Filter, Nillable **Description** The date when the article was first published.
`IsLatestVersion`	**Type** boolean **Properties** Defaulted on create, Group, Filter, Sort **Description** Indicates whether the article is the most current version. (`true`) or not (`false`). This field can be `true` on the online or published version, a draft version in the master language, a draft version in a translation, and the latest archived version. However, you can't filter by (PublishState='Online') and (IsLatestVersion=false) because the online version is also the latest version. This field is available in API version 24.0 and later.
`IsMasterLanguage`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter **Description** Indicates whether the article has one or more translations associated with it (`true`) or not (`false`). Only accessible if your knowledge base supports multiple languages.
`IsOutOfDate`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the source article has been updated since this translated version was created (`true`) or not (`false`). Only accessible if your knowledge base supports multiple languages.
`IsVisibleInApp`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Required. Indicates whether the article is visible in the Articles tab (`true`) or not (`false`).
`IsVisibleInCsp`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Required. Indicates whether the article is visible in the Customer Portal (`true`) or not (`false`).
`IsVisibleInPkb`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Required. Indicates whether the article is visible in the public knowledge base (`true`) or not (`false`).
`IsVisibleInPrm`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter **Description** Required. Indicates whether the article is visible in the partner portal (`true`) or not (`false`).
`KnowledgeArticleId`	**Type** reference **Properties** Filter **Description** The ID of the article independent from its version. The value for this field is retrieved from the `Id` field of the KnowledgeArticle object.
`Language`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The language that the article is written in, such as `French` or `Chinese (Traditional)`. Querying or searching articles in SOQL or SOSL requires that you specify the `Language` field in the WHERE clause. The language must be the same for all article types.
`LastPublishedDate`	**Type** dateTime **Properties** Filter, Nillable **Description** The date when the article was last published.
`MasterVersionId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the source article, if the article is the translation of a source article. Only accessible if your knowledge base supports multiple languages.
`OwnerId`	**Type** reference

Field Name	Details
	Properties Filter **Description** The ID of the article's owner.
`PublishStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Restricted picklist **Description** The publication status for the article: • `Draft`: any draft articles. • `Online`: articles published in Salesforce Knowledge. • `Archived`: archived articles. A user must have the “Manage Articles” permission enabled to use `Online`. Querying or searching articles in SOQL or SOSL requires that you specify either the `PublishStatus` or the `Id` field in the WHERE clause. You can search for only one publication status per article type in a single SOSL query. When searching for articles with a `PublishStatus` of `Archived`, also check that `IsLatestVersion` equals `false` in your WHERE clause.
`SourceId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the source from which the article was created (Case or Reply).
`Summary`	**Type** textarea **Properties** Filter, Nillable **Description** Summary of the article. Maximum size is 1000 characters.
`Title`	**Type** string **Properties** Defaulted on create, Filter, idLookup **Description** Required. Article's title. Maximum size is 255 characters.

Field Name	Details
`TranslationCompletedDate`	**Type** dateTime **Properties** Filter, Nillable **Description** Date and time when the article was last translated. Only accessible if your knowledge base supports multiple languages.
`TranslationExportedDate`	**Type** dateTime **Properties** Filter, Nillable **Description** Date and time when the article was last exported for translation. Only accessible if your knowledge base supports multiple languages.
`TranslationImportedDate`	**Type** dateTime **Properties** Filter, Nillable **Description** Date and time when the article was last imported for translation. Only accessible if your knowledge base supports multiple languages.
`UrlName`	**Type** string **Properties** Filter **Description** Required. Represents the article's URL. Can contain alphanumeric characters and hyphens but can't begin or end with a hyphen. `UrlName` is case-sensitive and its maximum size is 255 characters.
`ValidationStatus`	**Type** picklist **Properties** Filter, Group **Description** Shows whether the content of the article has been validated. Default values are `Validated` and `Not Validated`. This field is available in API version 24.0 or later.

Field Name	Details
`VersionNumber`	**Type** int **Properties** None **Description** The number assigned to a version of an article. This field is available in API version 24.0 and later.

Usage

Use this object to query, retrieve, or search for articles across all article types depending on their version. You can update draft master articles. Additionally, you can delete articles that are not drafts. Client applications can use KnowledgeArticleVersion with `describeDataCategoryGroups()` and `describeDataCategoryGroupStructures()` to return the category groups and the category structure associated with Salesforce Knowledge.

Alternatively, client applications can use the article type `API Name` followed by `__kav` to query, retrieve, or search for articles for a specific article type.

To access an article independent of its version, use the KnowledgeArticle object.

SOQL Samples

The following SOQL clause uses KnowledgeArticleVersion to query all published articles from **all article types** complying with the classification specified in the WITH DATA CATEGORY clause:

```
SELECT Title, Summary
FROM KnowledgeArticleVersion
WHERE PublishStatus='Online'
AND Language = 'en_US'
WITH DATA CATEGORY Geography__c ABOVE_OR_BELOW europe__c AND Product__c BELOW All__c
```

The following SOQL clause uses the article type `API Name` to limit the query to all draft articles from the `Offer__kav` article type:

```
SELECT Id, Title
FROM Offer__kav
WHERE PublishStatus='Draft'
AND Language = 'en_US'
WITH DATA CATEGORY Geography__c AT (france__c,usa__c) AND Product__c ABOVE dsl__c
```

The following SOQL clause uses KnowledgeArticleVersion to query the Ids of all archived versions of a particular article:

```
SELECT Id
FROM KnowledgeArticleVersion
WHERE PublishStatus='Archived'
AND IsLatestVersion=false
AND KnowledgeArticleId='kA1D00000001PQ6KAM'
```

SOQL and SOSL with KnowledgeArticleVersion

- Always filter on a single value of `PublishStatus` unless the query filters on one or more primary key IDs. To support security, only users with the "Manage Articles" permission see articles whose `PublishStatus` value is `Draft`.
- Archived article versions are stored in the articletype_kav object. To query archived article versions, specify the article `Id` and set `IsLatestVersion='0'`.
- Always filter on a single value of `Language`. However, in SOQL, you can filter on more than one `Language` if there is a filter on `Id` or `KnowledgeArticleId`.

Additional Usage for SOQL and SOSL with KnowledgeArticleVersion

- To expose the *migrated_to_from_id* on **KnowledgeArticle** and **KnowledgeArticleVersion** to the sObject API: expose **MigratedToFromArticleVersion** in **KnowledgeArticleVersion**. The org must have pref **LightningKnowledgeEnabled**. For SOQL:
  1. To filter by **MigratedToFromArticleVersion**, remove any other filters.
  2. When filtering by **MigratedToFromArticleVersion**, use the '=' or 'IN' operator.
  3. When filtering by **MigratedToFromArticleVersion**, the value can't be null or empty.
- For SOSL
- 1. **MigratedToFromArticleVersion** isn't supported in SOSL.

SEE ALSO:

KnowledgeArticle

KnowledgeArticleViewStat

KnowledgeArticleVoteStat

KnowledgeArticleVersionHistory

Enables read-only access to the full history of an article. This object is available in API version 25.0 and later.

Supported Calls

`describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()`

Special Access Rules

This object respects field, entity, and record-level security. You must have at least "Read" permission on the article type or the field to access its history. For data category security, Salesforce determines access based on the categorization of the online version of an article. If there is no online version, then security is applied based on the archived version, followed by the security of the draft version.

Fields

Field Name	Details
EventType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of event that is tracked in the history table.
FieldName	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Name of the tracked field.
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language that the article is written in, such as French or Chinese (Traditional). Querying or searching articles in SOQL or SOSL requires that you specify the Language field in the WHERE clause. The language must be the same for all article types.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The most recent value of the field before it was changed.

Field Name	Details
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the article.
ParentSobjectType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of object that contains the field.
VersionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID assigned to a version of the article.
VersionNumber	**Type** int **Properties** Filter, Group, Sort **Description** The number assigned to a version of an article. This field is available in API version 24.0 and later.

Usage

Use this object to query events in the history of an article. For example, you can retrieve the number of edits a particular user has made to an article, how many times the article has been published, and so on.

KnowledgeArticleViewStat

Provides statistics on the number of views for the specified article across all article types. This object is read-only and available in API version 20 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Users must have access to the published version of an article to retrieve its views. For more information on published article version, see the `PublishStatus` field in KnowledgeArticleVersion.

Fields

Field Name	Details
`Channel`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The channel where the article is viewed: • `AllChannels` for article views across all channels. • `App` for the internal Salesforce Knowledge application. • `Pkb` for article views in public knowledge base. • `Csp` for Customer Portal. • `Prm` for article view in partner portal.
`NormalizedScore`	**Type** double **Properties** Filter, Nillable **Description** Article's weighted views in the selected channel. The article with most views has a score of 100. Other article views are then calculated relative to this highest view score. For example, if the best read article has 2000 views and another has 1000. The first one gets a score of 100 while the second gets 50.
`ParentId`	**Type** reference **Properties** Filter **Description** ID of the viewed article. This corresponds to a KnowledgeArticle record.
`ViewCount`	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The number of unique views an article has received in the selected channel. An article with a high number of views may not always have a high normalized score. The normalized score for an article is calculated based on views over time, with more recent views earning a higher score. This field is available in API version 27.0 and later.

Usage

Use this object to query or retrieve statistics for article views.

Alternatively, client applications can use the article type `API Name` followed by `__ViewStat` to query or retrieve most viewed articles from a specific article type.

SOQL Samples

The following SOQL clause uses KnowledgeArticleViewStat to query all the article views in Salesforce Knowledge and return the related articles:

```
SELECT Id, NormalizedScore, Parent.Id
        FROM KnowledgeArticleViewStat where Channel = 'App'
        ORDER BY NormalizedScore
```

Use the following clause to restrict your query to Offer articles for the `Offer` article type:

```
SELECT Id, NormalizedScore, Parent.Id
        FROM Offer__ViewStat where Channel = 'App'
        ORDER BY NormalizedScore
```

SEE ALSO:
KnowledgeArticle
KnowledgeArticleVersion
KnowledgeArticleVoteStat

KnowledgeArticleVoteStat

Provides the weighted rating for the specified article on a scale of 1 to 5 across all article types. This object is read-only and available in API version 20 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Users must have access to the published version of an article to retrieve its votes. For more information on published article version, see the `PublishStatus` field in KnowledgeArticleVersion

Fields

Field Name	Details
`Channel`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The channel where the article is rated: • `AllChannels` for article views across all channels. • `App` for the internal Salesforce Knowledge application. • `Pkb` for article views in public knowledge base. • `Csp` for Customer Portal. • `Prm` for article view in partner portal.
`NormalizedScore`	**Type** double **Properties** Filter, Nillable **Description** Article's weighted score on a scale of 1 to 5. A higher score means more votes. Articles without recent votes trend towards an average rating of three stars.
`ParentId`	**Type** reference **Properties** Filter **Description** The rated article. This corresponds to a KnowledgeArticle record.

Usage

Use this object to query or retrieve the rating for an article.

Alternatively, client applications can use the article type `API Name` followed by `__VoteStat` to query or retrieve the rating for an article for a specific article type.

SOQL Samples

See KnowledgeArticleViewStat.

SEE ALSO:

- KnowledgeArticle
- KnowledgeArticleVersion
- KnowledgeArticleViewStat

Lead

Represents a prospect or lead.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `merge()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. For details on compound address fields, see Address Compound Fields.
`AnnualRevenue`	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Annual revenue for the lead's company.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City for the lead's address.

Field	Details
CleanStatus	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the record's clean status compared with Data.com. Values include: `Matched`, `Different`, `Acknowledged`, `NotFound`, `Inactive`, `Pending`, `SelectMatch`, or `Skipped`. Several values for `CleanStatus` appear with different labels on the lead record. • `Matched` appears as `In Sync` • `Acknowledged` appears as `Reviewed` • `Pending` appears as `Not Compared`
Company	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The lead's company. Note: If person account record types have been enabled, and if the value of `Company` is null, the lead converts to a person account.
CompanyDunsNumber	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The Data Universal Numbering System (D-U-N-S) number, which is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. Industries and companies use D-U-N-S numbers as a global standard for business identification and tracking. Maximum size is 9 characters. Note: This field is only available to organizations that use Data.com Prospector or Data.com Clean.
ConnectionReceivedId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.

Field	Details
ConnectionSentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
ConvertedAccountId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Object reference ID that points to the account into which the lead converted.
ConvertedContactId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Object reference ID that points to the contact into which the lead converted.
ConvertedDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Date on which this lead was converted.
ConvertedOpportunityId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Object reference ID that points to the opportunity into which the lead has been converted.
Country	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description The lead’s country.
CountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the lead’s address.
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The lead’s description.
Division	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** A logical segment of your organization's data. For example, if your company is organized into different business units, you could create a division for each business unit, such as “North America,” “Healthcare,” or “Consulting.” Available only if the organization has the Division permission enabled.
Email	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead’s email address.

Field	Details
EmailBouncedDate	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** If bounce management is activated and an email sent to the lead bounced, the date and time of the bounce.
EmailBouncedReason	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** If bounce management is activated and an email sent to the lead bounced, the reason for the bounce.
Fax	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead's fax number.
FirstName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead's first name up to 40 characters.
HasOptedOutOfEmail	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update **Description** Indicates whether the lead opted out of email (`true`) or not (`false`). Label is **Email Opt Out**.
GeocodeAccuracy	**Type** picklist **Properties** Retrieve, Query, Restricted picklist, Nillable

Field	Details
	Description Accuracy level of the geocode for the address. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
IndividualId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the data privacy record associated with this lead. This field is available if you enabled Data Protection and Privacy in Setup.
Industry	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Industry in which the lead works.
IsConverted	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Indicates whether the lead has been converted (`true`) or not (`false`). Label is **Converted**.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
IsUnreadByOwner	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If true, lead has been assigned, but not yet viewed. See Unread Leads for more information. Label is **Unread By Owner**.

Field	Details
Jigsaw	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** References the ID of a contact in Data.com. If a lead has a value in this field, it means that a contact was imported as a lead from Data.com. If the contact (converted to a lead) was not imported from Data.com, the field value is null. Maximum size is 20 characters. Available in API version 22.0 and later. Label is **Data.com Key**. Important: The `Jigsaw`field is exposed in the API to support troubleshooting for import errors and reimporting of corrected data. Do not modify the value in the `Jigsaw` field.
LastActivityDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Value is the most recent of either: • Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
LastName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Last name of the lead up to 80 characters.
LastReferencedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update

Field	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of an address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`LeadSource`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead’s source.
`MasterRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** If this record was deleted as the result of a merge, this field contains the ID of the record that was kept. If this record was deleted for any other reason, or has not been deleted, the value is `null`. Note: When using Apex triggers to determine which record was deleted in a merge event, this field’s value is the ID of the record that remains in `Trigger.old`. In `Trigger.new`, the value is `null`.

Field	Details
MiddleName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead’s middle name up to 40 characters. To enable this field, ask Salesforce Customer Support for help.
MobilePhone	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead’s mobile phone number.
Name	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName`, `MiddleName`, `LastName`, and `Suffix` up to 121 characters.
NumberOfEmployees	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Number of employees at the lead’s company. Label is **Employees**.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the lead’s owner.
PartnerAccountId	**Type** reference **Properties** Filter, Nillable

Field	Details
	Description ID of the partner account for the partner user that owns this lead. Available if Partner Relationship Management is enabled or if Communities is enabled and you have partner portal licenses. Note: If you are uploading leads using API version 15.0 or earlier, and one of the leads in the batch has a partner user as the owner, the `Partner Account` field on all leads in the batch is set to that partner user's account regardless of whether the partner user is the owner. In version 16.0, the `Partner Account` field is set to the appropriate account for the partner user that owns the lead. If the owner of the lead is not a partner user, this field remains empty.
`Phone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead's phone number.
`PhotoUrl`	**Type** url **Properties** Filter, Group, Sort **Description** Path to be combined with the URL of a Salesforce instance (*Example:* https://*yourInstance*.salesforce.com/) to generate a URL to request the social network profile image associated with the lead. Generated URL returns an HTTP redirect (code 302) to the social network profile image for the lead. Empty if Social Accounts and Contacts isn't enabled or if Social Accounts and Contacts has been disabled for the requesting user.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal code for the address of the lead. Label is **Zip/Postal Code**.
`Rating`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description Rating of the lead.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
Salutation	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salutation for the lead.
ScoreIntelligenceId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the intelligent field record that contains lead score.
State	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the address of the lead.
StateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the lead’s address.
Status	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Status code for this converted lead. Status codes are defined in `Status` and represented in the API by the LeadStatus object.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street number and name for the address of the lead.
`Suffix`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The lead's name suffix up to 40 characters. To enable this field, ask Salesforce Customer Support for help.
`Title`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Title for the lead, such as CFO or CEO.
`Website`	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Website for the lead.

Note: If you import lead data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Converted Leads

Leads have a special state to indicate that they have been converted into an account, a contact, and an opportunity. Your client application can convert leads via the `convertLead()` call. Users can also convert leads in Salesforce. After a lead has been converted, it is read-only. However, you can query converted lead records.

Leads have several fields that indicate their converted status. These special fields are set when converting the lead in the user interface.

- `ConvertedAccountId`
- `ConvertedContactId`
- `ConvertedDate`
- `ConvertedOpportunityId`
- `IsConverted`
- `Status`

Note: If person account record types have been enabled, and if the value of `Company` is null, the lead converts to a person account.

Unread Leads

Leads have a special state to indicate that they have not been viewed or edited by the lead owner. In Salesforce, this is helpful for users to know which leads have been assigned to them but which they have not touched yet. `IsUnreadByOwner` is `true` if the lead owner has not yet viewed or edited the lead, and `false` if the lead owner has viewed or edited the lead at least once.

Lead Status Picklist

Each `Status` value corresponds to either a converted or unconverted status in the lead status picklist, as defined in the user interface. To obtain the lead status values in the picklist, a client application can query LeadStatus.

You can't convert a lead via the API by changing `Status` to one of the converted lead status values. When you convert qualified leads into an account, contact, and opportunity, you can select one of the converted status types for the lead. Leads with a converted status type are no longer available in the Leads tab, although you can include them in reports.

Usage

To update a lead or to convert one with `convertLead()`, log in to your client application with the "Edit" permission on leads.

When you create, update, or upsert a lead, your client application can have the lead assigned to multiple user records based on assignment rules that have been configured in Salesforce.

To use this feature, your client application needs to set either of the following options (but not both) in the AssignmentRuleHeader used in create or update:

Field	Field Type	Details
`assignmentRuleId`	reference	ID of the assignment rule to use. Can be an inactive assignment rule. If unspecified and `useDefaultRule` is `true`, then the default assignment rule is used. To find the ID for a given assignment rule, query the AssignmentRule object (specifying `RuleType="leadAssignment"`), iterate through the returned AssignmentRule records, find the one you want to use, retrieve its ID, and then specify its ID in this field in the AssignmentRuleHeader.
`useDefaultRule`	boolean	Specifies whether to use the default rule for rule-based assignment (`true`) or not (`false`). Default rules are assigned in the user interface.

Java Sample

The following Java sample shows how to automatically assign a newly created lead.

```
package wsc;

import com.sforce.soap.enterprise.Connector;
import com.sforce.soap.enterprise.EnterpriseConnection;
import com.sforce.ws.ConnectionException;
import com.sforce.ws.ConnectorConfig;
import com.sforce.soap.enterprise.sobject.Lead;
import com.sforce.soap.enterprise.QueryResult;
import com.sforce.soap.enterprise.SaveResult;
import com.sforce.soap.enterprise.sobject.SObject;

public class LeadAssignment {

    static final String USERNAME = "REPLACE USER NAME";
    static final String PASSWORD = "REPLACE PASSWORD";
    static EnterpriseConnection connection;

    static LeadAssignment _leadAssignment;

    // Main
    public static void main(String[] args)
    {
        // Establish connection and login
        ConnectorConfig config = new ConnectorConfig();
        config.setUsername(USERNAME);
        config.setPassword(PASSWORD);
        try {
            connection = Connector.newConnection(config);
            System.out.println("Logged in, endpoint: " + config.getAuthEndpoint());
        } catch (ConnectionException e1) {
            e1.printStackTrace();
        }

        // Create lead
        _leadAssignment = new LeadAssignment();
        try {
            _leadAssignment.CreateLead();
        } catch (Exception e) {
            e.printStackTrace();
        }

        // Logout
        try {
            connection.logout();
            System.out.println("Logged out");
        } catch (ConnectionException ce) {
            ce.printStackTrace();
        }
    }

    public void CreateLead() throws ConnectionException
```

```
    {
        // Create a new Lead and assign various properties
        Lead lead = new Lead();

        lead.setFirstName("Joe");
        lead.setLastName("Smith");
        lead.setCompany("ABC Corporation");
        lead.setLeadSource("API");
        // The lead assignment rule will assign any new leads that
        // have "API" as the LeadSource to a particular user

        // In this sample we will look for a particular rule and if found
        // use the id for the lead assignment. If it is not found we will
        // instruct the call to use the current default rule. You can't use
        // both of these values together.
        QueryResult qr = connection.query("SELECT Id FROM AssignmentRule WHERE Name = " +

                         "'Mass Mail Campaign' AND SobjectType = 'Lead'");
        if (qr.getSize() == 0) {
            connection.setAssignmentRuleHeader(null, true);
        } else {
            connection.setAssignmentRuleHeader(qr.getRecords()[0].getId(), false);
        }

        // Every operation that results in a new or updated lead will
        // use the specified rule until the header is removed from the
        // connection.
        SaveResult[] sr = connection.create(new SObject[] {lead});
        for (int i=0;i<sr.length;i++) {
            if (sr[i].isSuccess()) {
                System.out.println("Successfully created lead with id of: " +
                                   sr[i].getId() + ".");
            } else {
                System.out.println("Error creating lead: " +
                                   sr[i].getErrors()[0].getMessage());
            }
        }

        // This call effectively removes the header, the next lead will
        // be assigned to the default lead owner.
        connection.clearAssignmentRuleHeader();
    }
}
```

C# Sample

The following C# sample shows how to automatically assign a newly created lead.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.ServiceModel;
```

```
using LeadSample.sforce;

namespace LeadSample
{
    class LeadAssignment
    {
        private static SoapClient client;
        private static SoapClient apiClient;
        private static SessionHeader header;
        private static LoginResult loginResult;
        private static readonly string Username = "REPLACE USERNAME";
        private static readonly string Password = "REPLACE PASSWORD AND SECURITY TOKEN";

        // Create the proxy binding and login
        private LeadAssignment()
        {
            client = new SoapClient();

            try
            {
                loginResult = client.login(null, Username, Password);
            }
            catch (Exception e)
            {
                Console.WriteLine("Unexpected login error: " + e.Message);
                Console.WriteLine(e.StackTrace);
                return;
            }
            // Access API endpoint and create new client
            header = new SessionHeader();
            header.sessionId = loginResult.sessionId;
            apiClient = new SoapClient("Soap", loginResult.serverUrl);
        }

        [STAThread]
        static void Main(string[] args)
        {
            LeadAssignment leadAssignment = new LeadAssignment();
            try
            {
                leadAssignment.CreateLead();
            }
            catch (Exception e)
            {
                Console.WriteLine(e.Message);
                Console.WriteLine(e.StackTrace);
                Console.WriteLine(e.InnerException);
            }
            // logout
            client.logout(header);
        }

        public void CreateLead()
        {
```

```
// Create a new Lead and assign various properties
Lead lead = new Lead();

lead.FirstName = "John";
lead.LastName = "Brown";
lead.Company = "ABC Corporation";
lead.LeadSource = "Advertisement";
// Setting the lead source for a pre-existing lead assignment rule. This
// rule was created outside of this sample and will assign any new leads
// that have "Advertisement" as the LeadSource to a particular user.

// Create the assignment rule header and add it to the proxy binding
AssignmentRuleHeader arh = new AssignmentRuleHeader();

// In this sample we will look for a particular rule and if found
// use the id for the lead assignment. If it is not found we will
// instruct the call to use the current default rule. Both these
// values can't be used together.
QueryResult qr = null;
string query = "SELECT Id FROM AssignmentRule WHERE Name = " +
    "'Mass Mail Campaign' AND SobjectType = 'Lead'";
try
{
    LimitInfo[] limitArray = apiClient.query(
        header, // sessionheader
        null,   // queryoptions
        null,   // mruheader
        null,   // packageversionheader
        query,  // SOQL query
        out qr);
}
catch (Exception e)
{
    Console.WriteLine("Unexpected query error: " + e.Message);
    Console.WriteLine(e.StackTrace);
}
if (qr.size == 0)
{
    arh.useDefaultRule = true;
}
else
{
    arh.assignmentRuleId = qr.records[0].Id;
}

// Create the lead using our Assignment Rule header
LimitInfo[] li;
SaveResult[] sr;
apiClient.create(
    header, // sessionheader
    arh,    // assignmentruleheader
    null,   // mruheader
    null,   // allowfieldtrunctionheader
    null,   // disablefeedtrackingheader
```

```
                null,   // streamingenabledheader
                null,   // allornoneheader
                null,   // duplicateruleheader
                null,   // localeoptions
                null,   // debuggingheader
                null,   // packageversionheader
                null,   // emailheader
                new sObject[] { lead },
                out li,
                out sr);
            foreach (SaveResult s in sr)
            {
                if (s.success)
                {
                    Console.WriteLine("Successfully created Lead with ID: {0}", s.id);
                }
                else
                {
                    Console.WriteLine("Error creating Lead: {0}", s.errors[0].message);
                }
            }
        }
    }
}
```

SEE ALSO:

LeadOwnerSharingRule
LeadShare
LeadStatus
PartnerNetworkConnection

LeadCleanInfo

Stores the metadata Data.com Clean uses to determine a lead record's clean status. Helps you automate the cleaning or related processing of lead records.

Lead Clean Info provides a snapshot of the data in your Salesforce lead record and its matched Data.com record at the time the Salesforce record was cleaned.

Lead Clean Info includes a number of bit vector fields, whose component fields each correspond to individual object fields and provide related data or status information about those fields. For example, the bit vector field `IsDifferent` has an `IsDifferentTitle` field. If the `IsDifferentTitle` field's value is `False`, that means the `Title` field value is *the same* on the Salesforce lead record and its matched Data.com record.

LeadCleanInfo bit vector fields include:

- `CleanedBy` indicates who (a user) or what (a Clean job) cleaned the lead record.
- `IsDifferent` indicates whether or not a field on the lead record has a value that differs from the corresponding field on the matched Data.com record.
- `IsFlaggedWrong` indicates whether or not a field on the lead record has a value that is flagged as wrong to Data.com.

- `IsReviewed` indicates whether or not a field on the lead record is in a `Reviewed` state, which means that the value was reviewed but not accepted..

Their individual bits are defined here

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
`AnnualRevenue`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Estimated annual revenue of the lead.
`City`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the lead.
`CleanedByJob`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead record was cleaned by a Data.com Clean job (`true`) or not (`false`).
`CleanedByUser`	**Type** boolean

Field Name	Details
	Properties Filter **Description** Indicates whether the lead record was cleaned by a Salesforce user (`true`) or not (`false`).
`CompanyDunsNumber`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The Data Universal Numbering System (D-U-N-S) number is a unique, nine-digit number assigned to every business location in the Dun & Bradstreet database that has a unique, separate, and distinct operation. D-U-N-S numbers are used by industries and organizations around the world as a global standard for business identification and tracking.
`CompanyName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the company.
`ContactStatusDataDotCom`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The status of the contact associated with the lead per Data.com. Values are: `Contact is Active per Data.com`, `Phone is Wrong per Data.com` , `Email is Wrong per Data.com`, `Phone and Email are Wrong per Data.com`, `Contact Not at Company per Data.com`, `Contact is Inactive per Data.com`, `Company this contact belongs to is out of business per Data.com`, `Company this contact belongs to never existed per Data.com` or `Email address is invalid per Data.com`.
`Country`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Details for the billing address of the lead.
DandBCompanyDunsNumber	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The D-U-N-S Number on the D&B Company record (if any) that is linked to the lead.
DataDotComCompanyId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID Data.com maintains for the company associated with the lead.
DataDotComId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID Data.com maintains for the contact associated with the lead.
Email	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** The lead’s email address.
FirstName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The lead’s first name.
Industry	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The industry the lead belongs to.
`IsDifferentAnnualRevenue`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `AnnualRevenue` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCity`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `City` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCompanyDunsNumber`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Company D-U-N-S Number` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCompanyName`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Company Name` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountry`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the lead's `Country` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentCountryCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `Country Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentDandBCompanyDunsNumber`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `D&B Company D-U-N-S Number` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentEmail`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Email` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentFirstName`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `First Name` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentIndustry`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the lead's `Industry` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentLastName`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Last Name` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentNumberOfEmployees`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `No. of Employees` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPhone`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Phone` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentPostalCode`	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Postal Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
`IsDifferentState`	**Type** boolean **Properties** Filter

Field Name	Details
	Description Indicates whether the lead's `State` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
IsDifferentStateCode	**Type** boolean **Properties** Filter **Description** Indicates whether the account's `State Code` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
IsDifferentStreet	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Street` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
IsDifferentTitle	**Type** boolean **Properties** Filter **Description** Indicates whether the lead's `Title` field value is different from the corresponding value on its matched Data.com record (`true`) or not (`false`).
IsFlaggedWrongAddress	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Address` field value is flagged as wrong to Data.com (`true`) or not (`false`).
IsFlaggedWrongAnnualRevenue	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the lead's `Annual Revenue` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongCompanyDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Company D-U-N-S Number` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongCompanyName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Company Name` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongEmail`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Email` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongIndustry`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Industry` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongName`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the lead's `Name` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongNumberOfEmployees`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `No. of Employees` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongPhone`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Phone` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsFlaggedWrongTitle`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Title` field value is flagged as wrong to Data.com (`true`) or not (`false`).
`IsInactive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the lead has been reported to Data.com as *`Inactive`* (`true`) or not (`false`).
`IsReviewedAddress`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the lead's `Address` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedAnnualRevenue`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Annual Revenue` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedCompanyDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Company D-U-N-S Number` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedCompanyName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Company Name` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedDandBCompanyDunsNumber`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `D&B Company D-U-N-S Number` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedEmail`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the lead's `Email` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedIndustry`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Industry` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedName`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Name` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedNumberOfEmployees`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `No. of Employees` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedPhone`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the lead's `Phone` field value is in a `Reviewed` state (`true`) or not (`false`).
`IsReviewedTitle`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Indicates whether the lead's `Title` field value is in a `Reviewed` state (`true`) or not (`false`).
`LastMatchedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The date the lead record was last matched and linked to a Data.com record.
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The lead's last name.
`LastStatusChangedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of who or what last changed the record's `Clean Status` field value: a Salesforce user or a Clean job.
`LastStatusChangedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date on which the record's `Clean Status` field value was last changed.
`Latitude`	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Longitude` to specify the precise geolocation of a billing address. Data not currently provided.

Field Name	Details
`LeadId`	**Type** reference **Properties** Filter, Group, Sort **Description** The unique, system-generated ID assigned when the lead record was created.
`Longitude`	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Latitude` to specify the precise geolocation of a billing address. Data not currently provided.
`Name`	**Type** string **Properties** Filter, Group, Sort, Update **Description** Field label is **Lead Clean Info Name**. The name of the lead. Maximum size is 255 characters.
`NumberOfEmployees`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of employees working at the lead.
`Phone`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The phone number for the lead.
`PostalCode`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Details for the billing address of the lead.
`State`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the lead.
`Street`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address of the lead.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The lead's title.

Usage

Developers can create triggers that read the Lead Clean Info fields to help automate the cleaning or related processing of lead records.

LeadFeed

Represents a single feed item in the feed displayed on the detail page for a lead record. This object is available in API version 18.0 and later.

A lead feed shows recent changes to a lead record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to leads in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Lead object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of LeadFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string

Field	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).

Field	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.

Field	Details
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the lead record that is tracked in the feed. The feed is displayed on the detail page for this record.

Field	Details
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold.

Field	Details
	• `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`.

Field	Details
	• On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a lead record. If a lead record is converted, use this object to query and retrieve the associated lead feed items.

SEE ALSO:

Lead

EntitySubscription

NewsFeed

UserProfileFeed

LeadHistory

Represents the history of changes to the values in the fields of a lead.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.

Field	Details
`LeadId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Lead. Label is **Lead ID**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to a lead.

This object respects field level security on the parent object.

SEE ALSO:

LeadShare

LeadStatus

LeadOwnerSharingRule

Represents the rules for sharing a lead with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Leads owned by users in the source group trigger the rule to give access.
`LeadAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • `Read`

Field	Details
	• `Edit`
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group. The target user or group is being given access.

Usage

Use these objects to manage the sharing rules for leads. General sharing and Territory-related sharing use this object.

SEE ALSO:

Lead

LeadShare

LeadStatus

Metadata API Developer Guide: SharingRules

LeadShare

Represents a sharing entry on a Lead.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
LeadAccessLevel	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the User or Group has to the Lead. The possible values are: • `Read` • `Edit` • `All` This value is not valid when creating or updating these records. This field must be set to an access level that is higher than the organization's default access level for leads.
LeadId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Lead associated with this sharing entry. This field can't be updated.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write a value in this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the Lead with them. • `Owner`—The User is the owner of the Lead. • `Rule`—The User or Group has access via a Lead sharing rule.

Field	Details
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Lead. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit leads owned by other users.

If you attempt to create a record that matches an existing record, the existing record is returned.

SEE ALSO:

- AccountShare
- Case
- CaseShare
- OpportunityShare

LeadStatus

Represents the status of a Lead, such as Open, Qualified, or Converted.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`IsConverted`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether this lead status value represents a converted lead (`true`) or not (`false`). Multiple lead status values can represent a converted lead.
`IsDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this is the default lead status value (`true`) or not (`false`) in the picklist.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this lead status value. This display value is the internal label that does not get translated.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the lead status picklist. These numbers are not guaranteed to be sequential, as some previous lead status values might have been deleted.

Usage

This object represents a value in the lead status picklist (see Lead Status Picklist). The lead status picklist provides additional information about the status of a Lead, such as whether a given status value represents a converted Lead. Query this object to retrieve the set of values in the lead status picklist, and then use that information while processing Lead objects to determine more information about a given lead. For example, the application could test whether a given lead is converted based on its `Status` value and the value of the `IsConverted` property in the associated LeadStatus record.

SEE ALSO:

- LeadOwnerSharingRule
- LeadShare

LeadTag

Associates a word or short phrase with a Lead.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization.

Field Name	Details
	• `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

LeadTag stores the relationship between its parent TagDefinition and the Lead being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

LightningToggleMetrics

Represents users who switched from Lightning Experience back to Salesforce Classic. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Not available in sandbox orgs.

Fields

Field Name	Details
`Action`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** User switched from Lightning Experience to Salesforce Classic or from Salesforce Classic to Lightning Experience.
`MetricsDate`	**Type** date **Properties** Filter, Group, Sort **Description** Date user switched.

Field Name	Details
RecordCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number of user switches.
UserId	**Type** reference **Properties** Filter, Group, Sort **Description** UserId of user who switched.

LightningUsageByAppTypeMetrics

Represents number of users on Lightning Experience and Salesforce Mobile. This object is available in API version 43.0 and later.

Supported Calls

describeSObjects(), query(), retrieve()

Special Access Rules

Not available in sandbox orgs.

Fields

Field Name	Details
AppExperience	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** User's app (Lightning Experience or Salesforce Mobile).
MetricsDate	**Type** date

Field Name	Details
	Properties Filter, Group, Sort **Description** Date user accessed Lightning Experience or Salesforce Mobile.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** UserId for user accessing Lightning Experience or Salesforce Mobile.

LightningUsageByBrowserMetrics

Represents Lightning Experience usage grouped by user's browser. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Not available in sandbox orgs.

Fields

Field Name	Details
`Browser`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Browser used to access Lightning Experience.
`MetricsDate`	**Type** date **Properties** Filter, Group, Sort

Field Name	Details
	Description Date user accessed Lightning Experience.
`PageName`	**Type** string **Properties** Filter, Group, Sort **Description** Page user viewed in Lightning Experience.
`TotalCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of pages accessed in Lightning Experience.

LightningUsageByFlexiPageMetrics

Represents custom pages users viewed most frequently in Lightning Experience. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Not available in sandbox orgs.

Fields

Field Name	Details
`FlexiPageNameOrId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name or Id of custom page user viewed in Lightning Experience.

Field Name	Details
FlexiPageType	**Type** string **Properties** Filter, Group, Sort **Description** Custom page type.
MetricsDate	**Type** date **Properties** Filter, Group, Sort **Description** Date user viewed page in Lightning Experience.
TotalCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of custom pages viewed.

LightningUsageByPageMetrics

Represents standard pages users viewed most frequently in Lightning Experience. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Not available in sandbox orgs.

Fields

Field Name	Details
MetricsDate	**Type** date

Field Name	Details
	Properties Filter, Group, Sort **Description** Date user viewed page in Lightning Experience.
`PageName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of page user viewed.
`TotalCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total number of pages viewed.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** UserId of user who viewed page.

LimitAllocationPerApp

Represents a connected app quota for an API limit. This object is available in API version 30.0 and later.

Note: LimitAllocationPerApp is currently available through a pilot program. For information on enabling LimitAllocationPerApp for your organization, contact Salesforce.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ConnectedAppName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the connected app.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the record in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. This field is automatically generated but you can supply your own value if you create the record using the API. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the `MasterLabel`.
`LimitType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of API limit for which you're setting a quota. The available values are: • TotalRequests—Total API requests per 24-hour period • ApiBatchItems—Number of Bulk API batches per 24-hour period • StreamEventsPerDay—Number of Streaming API events per 24–hour period • GenStreamingEventsPerDay—Number of generic streaming events per 24–hour period

Field Name	Details
	Note: Generic streaming is currently available through a pilot program. For information on enabling generic streaming for your organization, contact Salesforce.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Master label for the API limit quota. This is the internal label that does not get translated.
`Percentage`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The percentage of the API limit reserved for the connected app. The app can't consume more than this percentage of the API limit. You can find the available percentage for each limit type through the user interface or by using the `query()` call.

Usage

App quotas for API limits enable you to reserve API capacity for mission-critical connected apps or set a ceiling for API usage of non-critical connected apps.

LineitemOverride

A forecast override of a line item on an Opportunity. This read-only object for customizable forecasting has a child-parent relationship with OpportunityOverride.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

This object is only accessible if your organization has enabled the customizable forecasting feature, which can be done in the user interface. Requires the "View All Data" permission.

Fields

Field	Details
`AmountInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the overridden amount rolls up through the forecast hierarchy (`true`), or was overridden by the owner of this record (`false`).
`ForecastCategoryInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the overridden forecast category rolls up through the forecast hierarchy (`true`), or was overridden by the owner of this record (`false`).
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`OpportunityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the associated Opportunity.
`OpportunityLineItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the associated OpportunityLineItem.

Field	Details
OverrideAmount	**Type** currency **Properties** Create, Filter, Sort, Update **Description** The total monetary amount of the line item, which may be overridden.
OverrideForecastCategory	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** The forecast category of the line item. Can be overridden.
OverrideQuantity	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity of the line item, which may be overridden.
OverrideUnitPrice	**Type** currency **Properties** Create, Filter, Sort, Update **Description** The monetary amount of the unit price. Can be overridden.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** ID of the owner of this record.
QuantityInherited	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether the overridden quantity rolls up through the forecast hierarchy (`true`), or is overridden by the owner of this record (`false`).
`UnitPriceInherited`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the overridden unit price rolls up through the forecast hierarchy (`true`), or was overridden by the owner of this record (`false`).

SEE ALSO:

OpportunityOverride

LinkedArticle

Represents a knowledge article that is attached to a work order, work order line item, or work type. This object is available in API version 37.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Knowledge must be set up in your org, and Field Service Lightning must be enabled.

Fields

Field Name	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.

Field Name	Details
KnowledgeArticleId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the Knowledge article attached to the record. The label in the user interface is Knowledge Article ID.
KnowledgeArticleVersionId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The version of the Knowledge article attached to the record. This field lists the title of the attached version and links to the version. The label in the user interface is Article Version. When you attach an article to a work order, that version of the article stays associated with the work order, even if later versions are published. If needed, you can detach and reattach an article to a work order to link the latest version.
LinkedEntityId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the record that the Knowledge article is attached to. The label in the user interface is Linked Record ID.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The title of the article. The label in the user interface is Article Title.
RecordTypeId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the article’s record type, if used.

Field Name	Details
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The type of record that the Knowledge article is attached to. For example, work order. The label in the user interface is Linked Object Type.

Usage

Admins can customize linked articles' page layouts, fields, validation rules, and more from the Linked Articles page in Setup.

LinkedArticleFeed

Represents a single feed item on a linked knowledge article attached to a work order, work order line item, or work type. This object is available in API version 37.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Knowledge must be set up in your org.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of comments associated with the feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via the SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags. • `<p>` Tip: Although the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`
`LikeCount`	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of Likes associated with the feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether the feed item is available in the default community, a specific community, or all communities.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the object type to which the feed item is related. For example, set this field to a `UserId` to post to someone's profile feed. Or set it to an `AccountId` to post to a specific account.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** The ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL, and this field is the link name.

Field Name	Details
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.
Visibility	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or only internal users.

LinkedArticleHistory

Represents the history of changes made to tracked fields on a linked article. This object is available in API version 37.0 and later.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Special Access Rules

Knowledge must be set up in your org.

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
LinkedArticleId	**Type** reference

Field Name	Details
	Properties Filter, Group, Sort **Description** The ID of the tracked linked article. The history is displayed on the detail page for this record.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.

ListEmail

Represents a list email in Salesforce. Available in API version 41.0 and later. Has a one-to-many relationship with ListEmailRecipientSource.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`,`search()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`FromAddress`	**Type** string **Properties** Create Filter Update

Field	Details
	Description Read-only except when list email is in draft state. Validated against user's addresses.
FromName	**Type** string **Properties** Create Filter Nillable Update **Description** Read-only except when list email is in draft state. Validated against user's addresses.
HasAttachment	**Type** boolean **Properties** Defaulted on create Filter Group Sort **Description** Read-only. Defaulted on create and update. Value is `true` if the list email has an attachment.
HtmlBody	**Type** string **Properties** Create Nillable Update **Description** The body of the list email.
LastReferencedDate	**Type** dateTime **Properties** Filter Nillable Sort

Field	Details
	Description The timestamp that indicates when the current user last viewed a record that is related to this list email.
LastViewedDate	**Type** dateTime **Properties** Filter Nillable Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
Name	**Type** string **Properties** Create Filter Group idLookup Sort Update **Description** Read-only except when list email is in draft state.
OwnerId	**Type** reference **Properties** Create Defaulted on create Filter Group Sort Update **Description** References Group and User.
ScheduledDate	**Type** dateTime

Field	Details
	Properties Filter Nillable Sort **Description** Read-only. If null and `Status` is set to Scheduled, defaults to created time.
`Status`	**Type** picklist **Properties** Create Filter Group Restricted picklist Sort Update **Description** Read-only except when list email is in draft state. Changing the status to Scheduled causes the list email to be sent. Valid values: • Draft • Scheduled • Sent • Limit Error • Canceled
`Subject`	**Type** string **Properties** Create Filter Nillable Update **Description** Read-only except when list email is in draft state.
`TextBody`	**Type** string

Field	Details
	Properties Create Nillable Update **Description** Read-only except when list email is in draft state.
`TotalSent`	**Type** int **Properties** Filter Group Nillable Sort **Description** Read-only. The total number of list emails sent, including bounced, opted-out, and invalid To: addresses.

ListEmailRecipientSource

For a list email in Salesforce, represents the source of a recipient's email. Available in API version 41.0 and later.

The visibility and accessibility of this object is inherited from the related list email.

Supported Calls

`create()`, `delete()`, `query()`, `getDeleted()`, `getUpdated()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`ListEmailId`	**Type** reference **Properties** Create Filter Group Sort

Field	Details
	Description The related list email record. Required on record creation; read-only otherwise.
Name	**Type** string **Properties** Autonumber Defaulted on create Filter idLookup Sort **Description** The auto-generated name of the list email recipient source.
SourceListId	**Type** reference **Properties** Create Filter Group Sort Update **Description** Required. The id of a list view to send the list email to. Read-only except when list email is in draft state.
SourceType	**Type** reference **Properties** Create Filter Group Restricted picklist Sort Update **Description** Required. Read-only except when list email is in draft state. Valid values: • Include

ListView

Represents a list view. A list view specifies a set of records for an object, based on specific criteria. This object is available in API version 32.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Query, Retrieve, Sort **Description** The fully qualified developer name of the list view.
`IsSoqlCompatible`	**Type** boolean **Properties** Filter, Query, Retrieve, Sort **Description** Whether the list view can be used with SOQL..
`LastModifiedBy`	**Type** User **Properties** Filter, Query, Retrieve, Sort **Description** The name of the user who last modified the list view.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Query, Retrieve, Sort **Description** The date and time when the list view was last referenced, with a precision of one second.
`LastViewedDate`	**Type** dateTime

Name	Details
	Properties Filter, Query, Retrieve, Sort **Description** The date and time when the list view was last viewed, with a precision of one second.
`Name`	**Type** string **Properties** Filter, Query, Retrieve, Sort **Description** The name of the list view.
`NamespacePrefix`	**Type** string **Properties** Filter, Query, Retrieve, Sort **Description** The namespace of the list view.
`SobjectType`	**Type** picklist **Properties** Filter, Query, Retrieve, Sort **Description** The API name of the sObject for the list view.

ListViewChart

Represents a graphical chart that's displayed on Salesforce for Android, iOS, and mobile web list views. The chart aggregates data that is filtered based on the list view that's currently displayed. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Name	Description
AggregateField	**Type** string **Properties** Create, Filter, Query, Restricted picklist, Retrieve, Sort, Update **Description** The field that's used for calculating data on each group. `AggregateField` can't be the same as `GroupingField`.
AggregateType	**Type** picklist **Properties** Create, Filter, Query, Retrieve, Sort, Update **Description** The type of calculations to run on each group. The supported `AggregateType` values are `Count`, `Sum`, and `Avg`.
ChartType	**Type** picklist **Properties** Create, Filter, Query, Retrieve, Sort, Update **Description** The type of chart to create. The supported chart types are horizontal bar chart, vertical bar chart, and donut chart.
DeveloperName	**Type** string **Properties** Create, Filter, Query, Retrieve, Sort, Update **Description** The fully qualified developer name of the chart.
GroupingField	**Type** string **Properties** Create, Filter, Query, Retrieve, Sort, Update **Description** The field that's used to divide the data into collections. The field has to be supported by SOQL `GROUP BY` functionality. `GroupingField` can't be the same as `AggregateField`.

Name	Description
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the `MasterLabel`.
`MasterLabel`	**Type** string **Properties** Create, Filter, Query, Retrieve, Sort, Update **Description** The label for the chart.
`OwnerId`	**Type** ID **Properties** Defaulted on create, Filter, Query, Retrieve, Sort **Description** The ID of the user who owns the chart.
`SobjectType`	**Type** string **Properties** Create, Filter, Query, Retrieve, Sort **Description** The API name of the sObject for the chart.

ListViewChartInstance

Retrieves metadata for all standard and custom charts for a given entity in context of a given list view. This object is available in API versions 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
AggregateField	**Type** string **Properties** Filter, Group, Sort **Description** The field that's used for calculating data on each group. `AggregateField` can't be the same as `GroupingField`.
AggregateType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of calculations to run on each group. The supported `AggregateType` values are `Count`, `Sum`, and `Avg`.
ChartType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of chart to create. The supported chart types are horizontal bar chart, vertical bar chart, and donut chart.
DataQuery	**Type** textarea **Properties** Filter, Nillable, Sort **Description** The SOQL query that can be executed to fetch the data for drawing a chart.
DataQueryWithoutUserFilters	**Type** textarea **Properties** Filter, Nillable, Sort **Description** The SOQL query that can be executed to fetch the data for drawing a chart, without user filters. Available in API v43.0 and later.

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** API name of the chart. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`ExternalId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Reserved for future use.
`GroupingField`	**Type** string **Properties** Filter, Group, Sort **Description** The field that's used to divide the data into collections. The field has to be supported by SOQL `GROUP BY` functionality. `GroupingField` can't be the same as `AggregateField`.
`IsDeletable`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates if the chart can be deleted.
`IsEditable`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description Indicates if the chart can be edited. Standard charts are not editable.
`IsLastViewed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates if a chart is the last viewed by a user.
`Label`	**Type** string **Properties** Filter, Group, Sort **Description** The display name of the chart.
`ListViewChartId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the chart created by a user. For standard charts, this is null.
`ListViewContextId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the list view in context of which the chart is generated. Required to query `ListViewChartInstance`.
`SourceEntity`	**Type** string **Properties** Filter, Group, Sort **Description** API name of the entity to which the chart is related. Required to query `ListViewChartInstance`.

Usage

Example 1. Retrieve all custom and standard charts for Account entity for All Accounts list view

```
SELECT AggregateField, AggregateType, ChartType, DataQuery, DeveloperName, ExternalId,
 GroupingField, Id, IsDeletable, IsEditable, IsLastViewed, Label, ListViewChartId,
ListViewContextId, SourceEntity FROM ListViewChartInstance WHERE SourceEntity='Account'
 and ListViewContextId='00BR0000000U8Hr'
```

Example 2. Retrieve metadata for a specific custom chart by ID for Account entity and All Accounts list view

```
SELECT AggregateField, AggregateType, ChartType, DataQuery, DeveloperName, ExternalId,
 GroupingField, Id, IsDeletable, IsEditable, IsLastViewed, Label, ListViewChartId,
ListViewContextId, SourceEntity FROM ListViewChartInstance WHERE SourceEntity='Account'
 and ListViewContextID='00BR0000000U8Hr' and ListViewChartId='0DdR00000004CBxKAM'
```

Example 3. Retrieve metadata for a specific standard chart by its developer name for Account entity and All Accounts list view

```
SELECT AggregateField, AggregateType, ChartType, DataQuery, DeveloperName, ExternalId,
 GroupingField, Id, IsDeletable, IsEditable, IsLastViewed, Label, ListViewChartId,
ListViewContextId, SourceEntity FROM ListViewChartInstance WHERE SourceEntity='Account'
 and ListViewContextID='00BR0000000U8Hr' and DeveloperName='AccountsByIndustry'
```

LiveAgentSession

This object is automatically created for each Live Agent session and stores information about the session. This object is available in API versions 28.0 and later.

Note: Standard fields for the LiveAgentSession object can only be modified if your administrator has given you editing permissions for these records.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`

Fields

Field Name	Details
`AgentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the agent associated with the session.

Field Name	Details
ChatReqAssigned	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of chat requests that were assigned to an agent during a session.
ChatReqDeclined	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of chat requests that were declined by an agent during a session.
ChatReqEngaged	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of chats in which an agent was engaged during a session.
ChatReqTimedOut	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of chat requests that timed out in an agent's queue during a session.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the session record was last referenced.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the session record was last viewed.

Field Name	Details
LoginTime	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date and time an agent logged in during the session.
LogoutTime	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date and time an agent logged out during a session.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookupSort **Description** The name of the session.
NumFlagLoweredAgent	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of assistance flags lowered by the agent.
NumFlagLoweredSupervisor	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of assistance flags lowered by the supervisor.
NumFlagRaised	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of assistance flags raised by the agent.

Field Name	Details
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the session record.
TimeAtCapacity	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time an agent spent with the maximum number of chats in his or her queue.
TimeIdle	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time an agent spent idle during the session.
TimeInAwayStatus	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time an agent spent with a status of "Away" during a session.
TimeInChats	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time an agent spent engaged in chats during a session.
TimeInOnlineStatus	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The amount of time an agent spent with a status of “Online” during a session.

Usage

Use this object to query and manage live chat session records.

LiveAgentSessionHistory

This object is automatically created for each Live Agent session and stores information about changes made to the session. This object is available in API versions 28.0 and later.

Note: Standard fields for the LiveAgentSession object can only be modified if your administrator has given you editing permissions for these records.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed in a session record.
`LiveAgentSessionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the session record that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort

Field Name	Details
	Description The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The original value of the field that was changed.

Usage

Use this object to identify changes to live chat session records.

LiveAgentSessionOwnerSharingRule

Represents the rules for sharing a Live Agent session record with users other than the record owner. This object is available in API version 28.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, restrictedPicklist, Sort, Update **Description** Determines the level of access users have to session records. Specifies whether or not users can read, edit, or transfer session records. Corresponds to the Default Access column in the UI.
Description	**Type** textarea

Field	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to Rule Name in the UI. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Session records owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup,Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to Label in the UI.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description The ID representing the target user or group. The target user or group is being given access.

Usage

Use this object to manage the sharing rules for Live Agent session records.

SEE ALSO:

Metadata API Developer Guide: SharingRules

LiveAgentSessionShare

This object is automatically created for each Live Agent session and stores information about the session. This object is available in API versions 28.0 and later.

Note: Standard fields for the LiveAgentSession object can only be modified if your administrator has given you editing permissions for these records.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the LiveAgentSession. The possible values are: • `Read` • `Edit` • `All` (This value is not valid for `create()` or `update()` calls.) This value must be set to an access level that is higher than the organization's default access level for live chat transcripts.

Field Name	Details
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values can include: • `Manual`—The user or group has access because a user with "All" access manually shared the LiveAgentSession with them. • `Owner`—The user is the owner of the LiveAgentSession or is in a role above the QuickText owner in the role hierarchy.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the LiveAgentSession.

Usage

This object lets you determine which users and groups can view and edit LiveAgentSession records owned by other users.

If you attempt to create a new record that matches an existing record, the `create()` call updates any modified fields and returns the existing record.

LiveChatBlockingRule

Represents a rule for blocking chat visitors' IP addresses from starting new chats with agents. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
Description	**Type** string **Properties** Create, Nillable, Update **Description** The description of the blocking rule—for example, the reason why the given IP address or range of addresses is being banned from starting new chats.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
FromIpAddress	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The IP address of the user that you want to block, or the beginning of the range of IP addresses you want to block. If you want to block a range of IP addresses, indicate the end of the range in the `ToIpAddress` field. If you don't indicate an IP address in the `ToIpAddress` field, the only IP address that will be blocked is the IP address in the `FromIpAddress` field.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description The language of the blocking rule.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label for the blocking rule.
ToIpAddress	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** (Optional) The end of the range of IP addresses that you want to block. The range begins with and includes the IP address in the FromIpAddress field, and it ends with and includes the IP address in the ToIpAddress field.

Usage

Use this object to query and manage rules for blocking customers from starting new chats with agents.

LiveChatButton

Represents a button that allows visitors to request chats with Live Agent users. This object is available in API version 24.0 and later.

Supported Calls

create(), query(), retrieve(), update(), upsert()

Fields

Field Name	Details
Animation	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description The type of animation used when an automated chat invitation appears on-screen. For automated chat invitations only. Available in API version 29.0 and later.
`AutoGreeting`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** The text that is automatically sent from an agent to a visitor when a chat session starts. Note: A greeting message in the `AutoGreeting` field of the LiveChatButton object overrides individual users' greeting messages in the `AutoGreeting` field in the LiveChatUserConfig object.
`ChasitorIdleTimeout`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time a customer has to respond to an agent message before the chat times out.
`ChasitorIdleTimeoutWarning`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time a customer has to respond to an agent message before a warning appears and a timer begins a countdown. This value must be shorter than the `ChasitorIdleTimeout` value (we recommend at least 30 seconds shorter).
`ChatPageId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the custom Visualforce page that contains the custom chat window code.

Field Name	Details
CustomAgentName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The custom name of the agent associated with the button. Available in API version 29.0 and later. Note: A custom agent name in the `CustomAgentName` field of the LiveChatButton object overrides individual users' custom agent name in the `CustomAgentName` field in the LiveChatUserConfig object.
CustomRoutingClassId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the Apex class you customize to create your custom routing rules if `RoutingType` equals `Custom`. Available in API version 29.0 and later.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
HasQueue	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether to allow incoming chat requests to queue until an agent is available.

Field Name	Details
InviteEndPosition	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The position on-screen where an automated chat invitation's animation ends. Note: You don't need to select an end position for your automated chat invitation if you use a custom animation. For automated chat invitations only. Available in API version 29.0 and later.
InviteImageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the static image resource displayed on your automated chat invitation. For automated chat invitations only. Available in API version 29.0 and later.
InviteStartPosition	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The position on-screen where an automated chat invitation's animation begins. Note: You don't need to select a start position for your automated chat invitation if you use a custom animation. For automated chat invitations only. Available in API version 29.0 and later.
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** For automated chat invitations, specifies whether an automated chat invitation is active and able to be sent to customers (`true`) or not (`false`). For chat buttons, this is set to `true` by default.
Language	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the chat.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label for the live chat button.
NumberOfReroutingAttempts	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Specifies the number of times a chat request can be rerouted to available agents if all agents reject the chat request.
OfflineImageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the static image resource that is displayed when the button is offline (inactive).
OnlineImageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the static image resource that is displayed when the button is online (active).
OptionsHasChasitorIdleTimeout	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether Customer Time-Out is enabled.

Field Name	Details
OptionsHasInviteAfterAccept	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether an automated chat invitation can be sent to a customer after that customer has accepted a prior automated chat invitation (`true`) or not (`false`). For automated chat invitations only. Available in API version 29.0 and later.
OptionsHasInviteAfterReject	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether an automated chat invitation can be sent to a customer after that customer has rejected a prior automated chat invitation (`true`) or not (`false`). For automated chat invitations only. Available in API version 29.0 and later.
OptionsHasRerouteDeclinedRequest	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether a chat request that has been rejected by all available agents should be rerouted to available agents again (`true`) or not `false`).
OptionsIsAutoAccept	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether a chat request should be automatically accepted by the agent it's assigned to (`true`) or not `false`). For chat buttons and automated chat invitations with `RoutingType` set to `Most Available` or `Least Active`. Available in API version 30.0 and later.
OptionsIsInviteAutoRemove	**Type** boolean **Properties** Create, Filter, Update

Field Name	Details
	Description Specifies whether an automated chat invitation should be automatically removed from the screen after a certain amount of time (`true`) or not (`false`). For automated chat invitations only. Available in API version 29.0 and later.
`OverallQueueLength`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The maximum number of chat requests allowed to queue.
`PerAgentQueueLength`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The maximum number of chat requests allowed to queue for each agent with the required skill.
`PostchatPageId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the custom Visualforce page displayed when the chat ends.
`PostchatUrl`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL the user is directed to after the chat ends.
`PrechatFormPageId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the custom Visualforce page displayed before the chat begins.

Field Name	Details
`PrechatFormUrl`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL the user is directed to before the chat begins.
`PushTimeout`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of seconds an agent has to answer a chat request before it's routed to the next available agent.
`RoutingType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** How chat requests are routed to agents. The values are: • `Choice`—Incoming chat requests are added to the queue in Life Agent in the Salesforce console and are available to any agent with the required skill. • `Least Active`—Incoming chats are routed to the agent with the required skill who has the fewest active chats. • `Most Available`—Incoming chats are routed to the agent with the required skill and the greatest difference between chat capacity and active chat sessions. For example, if Agent A and Agent B each have a chat capacity of five, and Agent A has three active chat sessions while Agent B has one, incoming chats will be routed to Agent B. • `Omni`—Incoming chats are routed using Omni-Channel queues.
`SiteId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the site used for loading static resources and custom Visualforce pages.
`SkillId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the skill used to route incoming chat requests. To associate multiple skills with a live chat button, reference one skill in the `SkillId` field and use LiveChatButtonSkill junction objects for the remaining skills.
`TimeToRemoveInvite`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of seconds an automated invitation stays on-screen before it is automatically removed. For automated chat invitations only. Available in API version 29.0 and later.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of element to display to customers (either a chat button or an automated invitation).
`WindowLanguage`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language used for standard chat windows. Custom chat windows use the language of the user's browser.

Usage

Use this object to query and manage live chat buttons and automated chat invitations.

LiveChatButtonDeployment

Associates a Live Agent automated chat invitation with a specific deployment. This object is available in API versions 28.0 and later.

Supported Calls

`create()`, `delete()` `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`ButtonId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the automated invitation associated with the deployment.
`DeploymentId`	**Type** reference **Properties** Create, Filter, Group, NillableSort **Description** The ID of the deployment that will feature the automated invitation.

Usage

Use this object to associate automated chat invitations with specific deployments.

LiveChatButtonSkill

Represents all the skills available to a LiveChatButton except the one currently assigned. To retrieve the skill currently assigned, query LiveChatButton. This object is available in API version 25.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `update()`

Fields

Field Name	Details
`ButtonID`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The record ID of the button.
SkillID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The record ID of the skill.

Usage

Use this object to assign a specific skill to a specific button for multi-skill routing. For example:

```
String myButtonId = "button_Id";
String myButtonDevName = "button_DeveloperName";
List<String> skillIds = new List<String>();

//Get one skill ID from button
for(LiveChatButton lcb : [SELECT SkillId FROM LiveChatButton WHERE DeveloperName =:
myButtonDevName]) {
    skillIds.add(lcb.SkillId);
}
//Get remaining skills from LiveChatButtonSkill join object
for(LiveChatButtonSkill lcbs : [SELECT SkillID FROM LiveChatButtonSkill WHERE ButtonId =:
myButtonId]) {
    skillIds.add(lcbs.SkillId);
}
//Retrieve all skills into a single list
List<Skill> skills = [SELECT Id, DeveloperName FROM Skill WHERE Id IN :SkillIds];
```

LiveChatDeployment

Represents the general settings for deploying Live Agent on a website. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`BrandingId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the static image resource that's displayed in the chat window
`ConnectionTimeoutDuration`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the amount of time before the chat times out, in seconds.
`ConnectionWarningDuration`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Indicates the amount of time before a time-out warning is displayed to the agent, in seconds.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Domains`	**Type** textarea

Field Name	Details
	Properties Create, Filter (unavailable in API version 25.0 and later), Nillable, Sort (unavailable in API version 25.0 and later), Update **Description** A comma-separated list of domains the deployment is whitelisted for. Leave this blank to allow the deployment to be used on any domain.
`HasTranscriptSave`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether visitors can download and save transcripts from the chat window
`Language`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the deployment
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the deployment
`MobileBrandingId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the static image resource displayed in the mobile version of the chat window
`OptionsHasPrechatApi`	**Type** boolean **Properties** Create, Filter, Update

Field Name	Details
	Description Determines whether developers can access the Pre-Chat API
`SiteId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the site used for loading static resources
`WindowTitle`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The text displayed in the title bar of the browser window used to launch the chat window

Usage

Use this object to query and manage live chat deployments.

LiveChatSensitiveDataRule

Represents a rule for masking or deleting data of a specified pattern. Written as a regular expression (regex). This object is available in API version 35.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ActionType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklistSort, Update

Field Name	Details
	Description The action to take on the text (remove or replace) when the sensitive data rule is triggered.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the sensitive data rule—for example, "Block social security numbers."
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`EnforceOn`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Determines the roles on which the rule is enforced. The value is determined using bitwise OR operation. There are seven possible values: **1.** Rule enforced on Agent **2.** Rule enforced on Visitor **3.** Rule enforced on Agent and Visitor **4.** Rule enforced on Supervisor **5.** Rule enforced on Agent and Supervisor

Field Name	Details
	6. Rule enforced on Visitor and Supervisor 7. Rule enforced on Agent, Visitor, and Supervisor
IsEnabled	**Type** boolean **Properties** Create, Filter, Group, Sort, Update **Description** Specifies whether a sensitive data rule is active (`true`) or not (`false`). Default value (if none is provided) is `false`.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the sensitive data rule.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label for the sensitive data rule.
NamespacePrefix	**Type** string **Properties** Filter, Nillable **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field’s value is the namespace prefix of the Developer Edition organization of the package developer.

Field Name	Details
	• In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`Pattern`	**Type** textarea **Properties** Create, Update **Description** The pattern of text blocked by the rule. Written as a JavaScript regular expression (regex).
`Replacement`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The string of characters that replaces the blocked text (if `ActionType` *`Replace`* is selected).

Usage

Use this object to mask or delete data of specified patterns, such as credit card, social security, phone and account numbers, or even profanity.

LiveChatTranscript

This object is automatically created for each Live Agent chat session and stores information about the session. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Abandoned`	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The amount of time in seconds an incoming chat request remained unanswered by an agent before the chat was disconnected by the customer.
`AccountId`	**Type** ID **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the account associated with the chat transcript.
`AverageResponseTimeOperator`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The agent's average response time (in seconds) to chat messages from the visitor.
`AverageResponseTimeVisitor`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The visitor's average response time (in seconds) to chat messages from the agent.
`Body`	**Type** textarea **Properties** Create, Nillable, Update **Description** The contents of the chat.
`Browser`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The browser the visitor used for the chat.

Field Name	Details
BrowserLanguage	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The language of the visitor's browser.
CaseID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the case associated with the chat transcript.
ChatDuration	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total duration of the chat in seconds.
ChatKey	**Type** string **Properties** Create, Filter, Group, idLookup, Nillable, Sort **Description** The session ID of the chat before it is persisted. `ChatKey` can be used with advanced integrations in the Salesforce console. This field is available in API version 25.0 and later.
ContactID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the contact associated with the chat transcript.
EndedBy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description The way the chat was ended: by the operator, the visitor, or the system.
`EndTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time the chat ended.
`IpAddress`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The visitor's IP address.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LeadID`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the lead associated with the chat transcript.

Field Name	Details
LiveChatButtonID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the LiveChatButton the chat session originated from.
LiveChatDeploymentID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Type** The ID of the LiveChatDeployment the chat session originated from.
LiveChatVisitorID	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the visitor associated with the chat transcript.
Location	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The best-guess approximation of the visitor's location.
MaxResponseTimeOperator	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The maximum time in seconds it took an agent to respond to a chat visitor's message.
MaxResponseTimeVisitor	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The maximum time in seconds it took a customer to respond to an agent's message.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the transcript.
OperatorMessageCount	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of messages sent by agent(s) during the chat.
OwnerID	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the operator who participated in the chat last; for missed chats, this is a system user.
Platform	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The visitor's operating system platform.
ReferrerUri	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Where the chat request originated.
RequestTime	**Type** dateTime

Field Name	Details
	Properties Create, Filter, Nillable. Sort, Update **Description** The time the visitor requested the chat.
ScreenResolution	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The visitor's screen resolution.
SkillId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The record ID of the primary Skill associated with the LiveChatButton the chat session originated from. To associate multiple skills with a LiveChatTranscript, use LiveChatTranscriptSkill junction objects.
StartTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time the chat started.
Status	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The final status of the chat: completed, missed, dropped or blocked.
SupervisorTranscriptBody	**Type** textarea **Properties** Create, Nillable, Update **Description** The text body of the supervisor's chat transcript.

Field Name	Details
`UserAgent`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The visitor's user agent string.
`VisitorMessageCount`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of messages sent by the visitor during the chat.
`VisitorNetwork`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Decsription** The network or service provider the chat visitor used for the chat.
`WaitTime`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total amount of time in seconds a chat request was waiting to be accepted by an agent.

Usage

Use this object to query and manage live chat transcripts.

LiveChatTranscriptEvent

Captures specific events that occur over the lifetime of a chat. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
AgentId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the agent associated with the event.
Detail	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** Details associated with the event.
LastReferencedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
LiveChatTranscriptId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the live chat transcript associated with the event.
Name	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the event.
`Time`	**Type** dateTime **Properties** Create, Filter, Sort **Description** The time at which the event happened.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The kind of event that occurred.

Usage

Use this object to query and manage live chat transcript events.

LiveChatTranscriptHistory

Represents changes to field values on a LiveChatTranscript object. This object is available in API version 24.0 and later.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description The name of the field that was changed
`LiveChatTranscriptID`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the transcript that was changed
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The old value of the field that was changed

Usage

Use this object to identify changes to a live chat transcript.

LiveChatTranscriptOwnerSharingRule

Represents the rules for sharing a Live Agent chat transcript record with users other than the record owner. This object is available in API version 29.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, restrictedPicklist, Sort, Update **Description** Determines the level of access users have to chat transcript records. Specifies whether or not users can read, edit, or transfer chat transcript records. Corresponds to the Default Access column in the UI.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to Rule Name in the UI. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Chat transcript records owned by users in the source group trigger the rule to give access.

Field	Details
Name	**Type** string **Properties** Create, Filter, Group, idLookup,Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to Label in the UI.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group. The target user or group is being given access.

Usage

Use this object to manage the sharing rules for Live Agent chat transcript records.

SEE ALSO:

Metadata API Developer Guide: SharingRules

LiveChatTranscriptShare

Represents a sharing entry on a LiveChatTranscript object. This object is available in API version 24.0 and later.

Supported Calls

`create(), delete(), query(), retrieve() update(), upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Level of access that the User or Group has to the LiveChatTranscript. The possible values are: • `Read` • `Edit` • `All` (This value is not valid for `create()` or `update()` calls.) This value must be set to an access level that is higher than the organization's default access level for live chat transcripts.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values may include: • `Manual`—The User or Group has access because a user with "All" access manually shared the LiveChatTranscript with them. • `Owner`—The User is the owner of the LiveChatTranscript or is in a role above the QuickText owner in the role hierarchy.
`UserOrGroupID`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the LiveChatTranscript.

Usage

This object lets you determine which users and groups can view and edit LiveChatTranscript records owned by other users.

If you attempt to create a new record that matches an existing record, the `create()` call updates any modified fields and returns the existing record.

LiveChatTranscriptSkill

Represents a join between LiveChatTranscript and Skill. This object is available in API version 25.0 and later.

Supported Calls

`create()`, `delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the transcript.
`SkillId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The record ID of the skill.
`TranscriptId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The record ID of the transcript.

Usage

Use this object to assign a specific skill to a specific transcript for multi-skill routing.

LiveChatUserConfig

Represents a setting that controls the console settings for Live Agent users. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AutoGreeting`	**Type** textarea **Properties** Create, Nillable, Update **Description** The text that is automatically sent from an agent to a visitor when a chat session starts.
`Capacity`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Limits the number of active chat session an agent can engage in.
`CriticalWaitTime`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The amount of time before a chat flashes to alert an agent to answer it.
`CustomAgentName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The custom name of the agent associated with the Life Agent configuration.
`DeveloperName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`HasLogoutSound`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether a sound plays when an agent logs out of the console.
`HasNotifications`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether desktop notifications are enabled for the configuration. Available in API version 25.0 and later.
`HasRequestSound`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether a sound plays when a chat request comes in.
`HasSneakPeek`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description Determines whether an agent sees a real-time preview of the messages a visitor types.
IsAutoAwayOnDecline	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Determines whether agents' status is automatically changed to Away when they decline a chat request. Available in API version 26.0 and later.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the configuration.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the configuration.
OptionsHasAgentFileTransfer	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether agents can initiate a file transfer from a chat customer. Available in API version 31.0 and later.
OptionsHasAgentSneakPeek	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether Sneak Peek is enabled for agents. Available in API version 29.0 and later.

Field Name	Details
`OptionsHasAssistanceFlag`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether assistance flags are enabled for agents. Available in API version 29.0 and later.
`OptionsHasChatConferencing`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether agents can invite other agents into a customer chat. Available in API version 34.0 and later.
`OptionsHasChatMonitoring`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether supervisors can view agents' ongoing chats. Available in API version 29.0 and later.
`OptionsHasChatTransferToAgent`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether an agent can transfer a chat directly to another agent. Available in API version 36.0 and later.
`OptionsHasChatTransferToButton`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies whether an agent can transfer a chat to an agent assigned to a particular chat button. Available in API version 36.0 and later.
`OptionsHasChatTransferToSkill`	**Type** boolean

Field Name	Details
	Properties Create, Filter, Update **Description** Specifies whether an agent can transfer a chat to agents assigned to a particular skill. Available in API version 36.0 and later.
`OptionsHasVisitorBlocking`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether an agent has the ability to block troublesome visitors by IP address. Available in API version 34.0 and later.
`OptionsHasWhisperMessage`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether supervisors can send private messages to agents within an agent's chat with a customer. Available in API version 29.0 and later.
`OptionsIsAutoAwayOnPushTimeout`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether an agent's status automatically changes to Away if the agent doesn't respond to a chat request within the specified push time-out limit. Available in API version 34.0 and later.
`SupervisorDefaultAgentStatus`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The default agent status by which to filter agents in the Agent Status list in the supervisor panel.
`SupervisorDefaultButtonId`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The default button ID by which to filter agents in the Agent Status list in the supervisor panel.
`SupervisorDefaultSkillId`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The default skill ID by which to filter agents in the Agent Status list in the supervisor panel.

Usage

Use this object to query and manage agent configurations in Live Agent.

LiveChatUserConfigProfile

Represents a join between LiveChatUserConfig and Profile. This object is available in API version 24.0 and later.

Supported Calls

`create()` `delete()` `query()` `retrieve()` `update()` `upsert()`

Fields

Field Name	Details
`LiveChatUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The record ID of the agent configuration
`ProfileId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The record ID of the profile

Usage

Use this object to assign specific agent configurations to specific user profiles.

LiveChatUserConfigUser

Represents a join between LiveChatUserConfig and User. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`LiveChatUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The record ID of the agent configuration
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The record ID of the user

Usage

Use this object to assign specific agent configurations to specific users.

LiveChatVisitor

Represents a website visitor who has started or tried to start a chat session. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The name of the visitor
`SessionKey`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The session key used to uniquely identify the visitor

Usage

Use this object to query and manage live chat visitors.

Location

Represents a warehouse, service vehicle, work site, or other element of the region where your team performs field service work.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`CloseDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date the location closed or went out of service.
`ConstructionEndDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date construction ended at the location.
`ConstructionStartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date construction began at the location.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A brief description of the location.
`DrivingDirections`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Directions to the location.
`IsInventoryLocation`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the location stores parts. Note: This field must be selected if you want to associate the location with product items.
`IsMobile`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the location moves. For example, a truck or tool box.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the location was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the location was last viewed.

Field Name	Details
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The latitude of the location.
`Location`	**Type** location **Properties** Nillable **Description** The geographic location.
`LocationLevel`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The location's position in a location hierarchy. If the location has no parent or child locations, its level is 1. Locations that belong to a hierarchy have a level of 1 for the root location, 2 for the child locations of the root location, 3 for their children, and so forth.
`LocationType`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Picklist of location types. The values are: • Warehouse (default) • Site • Van • Plant
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The longitude of the location.

Field Name	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the location. For example, Service Van #4.
OpenDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date the location opened or came into service.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The location’s owner or driver.
ParentLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The location’s parent location. For example, if vans are stored at a warehouse when not in service, the warehouse is the parent location.
PossessionDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date the location was purchased.
RemodelEndDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Date remodel construction ended at the location.
`RemodelStartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date remodel construction ended at the location.
`RootLocationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read Only) The top-level location in the location's hierarchy.
`TimeZone`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Picklist of available time zones.
`VisitorAddressId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup to an account's or client's address.

Usage

To track your inventory in Salesforce, create product items, which represent the stock of a particular product a particular location. For example, create a product item that represents the 500 bolts you have in stock at your Warehouse A location. Each product item must be associated with a location.

To get a more granular picture of your field service operation, associate locations with service territories. For example, if a warehouse is located in a particular service territory, add it as a service territory location.

Important: "Location" in Salesforce can also refer to the geolocation compound field found on many standard objects. When referencing the Location object in your Apex code, always use `Schema.Location` instead of `Location` to prevent confusion with the standard Location compound field. If referencing both the Location object and the Location field in the same snippet, you can differentiate between the two by using `System.Location` for the field and `Schema.Location` for the object.

LocationFeed

Represents a single feed item on a field service location record detail page.

A location feed shows changes to tracked fields on a location record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to locations in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Location object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the location record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

LoginEvent

Represents a trackable user login event in your org. This object is available in API version 36.0 and later.

Supported Calls

describeSObjects(), `query()`

Special Access Rules

Accessing this object requires View Login Forensics Events and API Enabled user permissions.

Fields

Field	Details
`AdditionalInfo`	**Type** string **Properties** Nillable

Field	Details
	Description JSON serialization of additional information that's captured from the `HTTP` headers during a login request. For example, `{"field1": "value1","field2": "value2"}`. See Working with `AdditionalInfo` on page 1350.
`ApiType`	**Type** string **Properties** Nillable **Description** English-only. The type of API that's used to log in. Values include: • `XML-RPC` • `OSOAP` • `SOAP Enterprise` • `SOAP Partner` • `SOAP Internal/CrossInstance` • `REST API` • `Metadata API` • `N/A`
`ApiVersion`	**Type** string **Properties** Nillable **Description** English-only. The version number of the API. If no version number is available, "Unknown" is returned.
`Application`	**Type** string **Properties** Nillable **Description** The application name in English. For example, Salesforce Internal Application or Microsoft SOAP Toolkit.
`AuthServiceId`	**Type** reference **Properties** Nillable

Field	Details
	Description Refers to the `AuthenticationServiceId` field on the LoginHistory object. For example, you can use this field to identify the SAML or authentication provider configuration with which the user logged in.
`Browser`	**Type** string **Properties** Nillable **Description** The browser name and version if known. If no browser or version number is available, “Unknown” is returned. Product names are in English.
`CipherSuite`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The TLS cipher suite used for the login. Values are OpenSSL-style cipher suite names, with hyphen delimiters, for example, `AES128-GCM-SHA256`. Available in API version 37.0 and later. Valid values are: • AES128-GCM-SHA256 • AES128-SHA • AES128-SHA256 • AES256-GCM-SHA384 • AES256-SHA • AES256-SHA256 • DES-CBC3-SHA • DHE-RSA-AES128-GCM-SHA256 • DHE-RSA-AES128-SHA • DHE-RSA-AES256-GCM-SHA384 • DHE-RSA-AES256-SHA • DHE-RSA-DES-CBC3-SHA • ECDH-ECDSA-AES128-GCM-SHA256 • ECDH-ECDSA-AES128-SHA256 • ECDH-ECDSA-AES256-GCM-SHA384 • ECDH-ECDSA-AES256-SHA384 • ECDH-RSA-AES128-GCM-SHA256 • ECDH-RSA-AES128-SHA256 • ECDH-RSA-AES256-GCM-SHA384

Field	Details
	• ECDH-RSA-AES256-SHA384 • ECDHE-ECDSA-AES128-GCM-SHA256 • ECDHE-ECDSA-AES128-SHA256 • ECDHE-ECDSA-AES256-GCM-SHA384 • ECDHE-ECDSA-AES256-SHA384 • ECDHE-RSA-AES128-CBC-SHA • ECDHE-RSA-AES128-GCM-SHA256 • ECDHE-RSA-AES128-SHA256 • ECDHE-RSA-AES256-CBC-SHA • ECDHE-RSA-AES256-GCM-SHA384 • ECDHE-RSA-AES256-SHA384 • ECDHE-RSA-DES-CBC3-SHA • Unknown
`ClientVersion`	**Type** string **Properties** Nillable **Description** English-only. The version number of the login client. If no version number is available, "Unknown" is returned.
`EvaluationTime`	**Type** double **Properties** Nillable, **Description** The amount of time it took to evaluate the policy in milliseconds. This field is available only in the Real-Time Events pilot in API version 42.0 and later.
`EventDate`	**Type** dateTime **Properties** Filter, Sort **Description** The login time of the specified event. For example, 2013-01-01T03:01:01Z. Seconds are the most granular setting.
`EventIdentifier`	**Type** string

Field	Details
	Properties Filter, Sort **Description** The unique identifier for each record in LoginEvent. Available in API version 42.0 and later. Use this field as the primary key in your queries instead of the `UniqueKey` field (deprecated in API version 42.0) or the `Id` system field (not populated in API version 40.0 and later).
`LoginGeoId`	**Type** reference **Properties** Nillable **Description** The Salesforce ID of the LoginGeo object associated with the login user's IP address.
`LoginHistoryId`	**Type** reference **Properties** Nillable **Description** Tracks a user session so you can correlate user activity with a particular login instance.
`LoginKey`	**Type** string **Properties** Nillable **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring. This field is available only in the Real-Time Events pilot in API version 42.0 and later.
`LoginType`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The event's type of login. For example, "Application."
`LoginUrl`	**Type** string **Properties** Nillable

Field	Details
	Description The URL of the login host. For example, ***`yourInstance`***`.salesforce.com`.
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the community that the user is logging in to. This field is available if Salesforce Communities is enabled for your organization.
`Platform`	**Type** string **Properties** Nillable **Description** The platform name and version that are used during the login event. If no platform name is available, “Unknown” is returned. Platform names are in English.
`PolicyId`	**Type** reference **Properties** Nillable **Description** The ID of the transaction policy associated with this event. This field is available only in the Real-Time Events pilot in API version 42.0 and later.
`PolicyOutcome`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The result of the transaction policy. Possible values are: • Block - The user was blocked from performing the operation that triggered the policy. • EndSession - The Concurrent Sessions Limiting policy activated, limiting the number of concurrent sessions per user. • Error - The policy caused an undefined error when it executed. • FreezeUser - The user was prevented from taking any further action. • NoAction - The policy didn't trigger. • Notified - A notification was sent to the recipient.

Field	Details
	• TwoFAAutomatedSuccess - Salesforce Authenticator approved the request for access because the request came from a trusted location. After users enable location services in Salesforce Authenticator, they can designate trusted locations. When a user trusts a location for a particular activity, such as logging in from a recognized device, that activity is approved from the trusted location for as long as the location is trusted. • TwoFADenied - The user denied the approval request in the authenticator app, such as Salesforce Authenticator. • TwoFAFailedGeneralError - An error caused by something other than an invalid verification code, too many verification attempts, or authenticator app connectivity. • TwoFAFailedInvalidCode - The user provided an invalid verification code. • TwoFAFailedTooManyAttempts - The user attempted to verify identity too many times. For example, the user entered an invalid verification code repeatedly. • TwoFAInitiated - Salesforce initiated identity verification but hasn't yet challenged the user. • TwoFAInProgress - Salesforce challenged the user to verify identity and is waiting for the user to respond or for Salesforce Authenticator to send an automated response. • TwoFANoAction - The policy specifies two factor authentication as an action, but the user is already in a high-assurance session. • TwoFARecoverableError - Salesforce can't reach the authenticator app to verify identity, but will retry. • TwoFAReportedDenied - The user denied the approval request in the authenticator app, such as Salesforce Authenticator, and also flagged the approval request to report to an administrator. • TwoFASucceeded - The user's identity was verified. This field is available only in the Real-Time Events pilot in API version 42.0 and later.
`SessionKey`	**Type** string **Properties** Nillable **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started. For LoginEvent, this field is usually null because the event is captured before a session is created. This field is available only in the Real-Time Events pilot in API version 42.0 and later.
`SessionLevel`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** Session-level security controls user access to features that support it, such as connected apps and reporting. Possible values are:

Field	Details
	• HIGH_ASSURANCE - A high assurance session was used for resource access. For example, when the user tries to access a resource such as a connected app, report, or dashboard that requires a high-assurance session level. • LOW - The user's security level for the current session meets the lowest requirements. Note: This low level is not available, nor used, in the Salesforce UI. User sessions through the UI are either standard or high assurance. You can set this level using the API, but users assigned this level will experience unpredictable and reduced functionality in their Salesforce org. • STANDARD - The user's security level for the current session meets the Standard requirements set in the current organization Session Security Levels. This field is available in API version 42.0 and later.
`SourceIp`	**Type** string **Properties** Nillable **Description** The source IP address of the client logging in. For example, `126.7.4.2`.
`Status`	**Type** string **Properties** Nillable **Description** The login status is in English. "Success" is returned when successful. Otherwise, an error message is returned.
`TlsProtocol`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The TLS protocol version used for the login. Available in API version 37.0 and later. Valid values are: • TLS 1.0 • TLS 1.1 • TLS 1.2 • Unknown
`UserId`	**Type** reference

Field	Details
	Properties Nillable **Description** The user's unique ID. For example, `005000000000123`.
`Username`	**Type** string **Properties** Nillable **Description** The username in the format of `user@company.com`.
`UserType`	**Type** picklist **Properties** Nillable, Restricted picklist **Description** The category of user license. Each `UserType` is associated with one or more UserLicense records. Each UserLicense is associated with one or more profiles. Valid values are: • CsnOnly—Users whose access to the application is limited to Chatter. This user type includes Chatter Free and Chatter moderator users. • CspLitePortal—CSP Lite Portal license. Users whose access is limited because they are organization customers and access the application through a customer portal or community. • CustomerSuccess—Customer Success license. Users whose access is limited because they are organization customers and access the application through a customer portal. • Guest • PowerCustomerSuccess—Power Customer Success license. Users whose access is limited because they are organization customers and access the application through a customer portal. Users with this license type can view and edit data they directly own or data owned by or shared with users below them in the customer portal role hierarchy. • PowerPartner—Power Partner license. Users whose access is limited because they are partners and typically access the application through a partner portal or community. • SelfService • Standard—Standard user license. This user type also includes Salesforce Platform and Salesforce Platform One user licenses. This field is available only in the Real-Time Events pilot in API version 42.0 and later.

Working with `AdditionalInfo`

`AdditionalInfo` enables you to extend the login event with custom data that can be queried later. For example, you can capture a correlation ID when a user logs in from an external system that shares that unique ID. This process enables tracking logins across systems. To store data with LoginEvent, begin all `AdditionalInfo` field names with `x-sfdc-addinfo-{`***`fieldname`***`}`. For example, a valid field assignment is `x-sfdc-addinfo-correlation_id = ABC123` where `x-sfdc-addinfo-correlation_id` is the field name and `ABC123` is the field value.

When defining field names, note the following:

- `x-sfdc-addinfo-` is case-*insensitive*. `x-sfdc-addinfo-{`***`field name`***`}` is the same as `X-SFDC-ADDINFO-{`***`FIELD NAME`***`}`.
- Fields can contain only alphanumeric and "_" (underscore) characters.
- Field names must be between 2 and 29 characters in length, excluding `x-sfdc-addinfo-`.
- Field names that don't start with `x-sfdc-addinfo-` are ignored.
- Names that contain invalid characters after `x-sfdc-addinfo-` are ignored.
- Only the first 30 valid field names are stored in `AdditionalInfo`. Field names are not necessarily stored in the same order in which they were passed to authentication.

When determining field values, keep the following in mind:

- You can't use existing API field names as `AdditionalInfo` names in the HTTP header. If the `AdditionalInfo` name conflicts with an object's API name, the field value isn't stored. For example, the HTTP header `X-SFDC-ADDINFO-UserId='abc123'` doesn't get stored in `AdditionalInfo`.
- Additional field values can contain only alphanumeric, "_," and "-" characters.
- Field values must be 255 characters in length or fewer. If a field value exceeds 255 characters, only the first 255 characters are stored and the rest are truncated.
- Field values that contain invalid characters are saved with a field header of Empty String ("").
- Only the first 30 valid field names are stored in the `AdditionalInfo` field. They are not guaranteed to be stored in the same order that they were passed into the authentication.
- When `AggregationFieldName` is `SourceIp`, you can't filter on `AggregationFieldValue` if its value is *`Salesforce.com IP`*.

How to Pass Additional Information by Using HTTP with cURL

Here's an example of passing additional information via the command line.

```
curl https://yourInstance.salesforce.com/services/oauth2/token -d "grant_type=password"
-d
"client_id=3MVG9PhR6g6B7ps4RF_kNPoWSxVQstrazijsE8njPtkpUzVPPffzy8
jIoRE6q9rPznNtlsqbP9ob8kUfMjXXX" -d "client_secret=4180313776440635XXX" -d
"username=user@company.com" -d "password=123456" -H "X-PrettyPrint:1" -H
"x-sfdc-addinfo-correlationid:
d18c5a3f-4fba-47bd-bbf8-6bb9a1786624"
```

How to Pass Additional Information in Java

Here's an example of passing additional information in Java.

```
//adding additional info headers ..
Map<String, String> httpHeaders = new HashMap<String,String>();
httpHeaders.put("x-sfdc-addinfo-fieldname1" /* additional info field*/ ,
"d18c5a3f-4fba-47bd-bbf8-6bb9a1786624" /* value*/);
httpHeaders.put("x-sfdc-addinfo-fieldname2" /* additional info field*/ ,
```

```
"d18c5a3f-4fba-47bd-bbf8-6bb9a1786624" /* value*/);
ConnectorConfig config = new ConnectorConfig();
config.setUsername(userId);
config.setPassword(passwd);
config.setAuthEndpoint(authEndPoint);
config.setProxy(proxyHost, proxyPort);
//setting additional info headers
for (Map.Entry<String, String> entry : httpHeaders.entrySet()) {
config.setRequestHeader(entry.getKey(), entry.getValue());
}
// Set the username and password if your proxy must be authenticated
9
LoginEvent
config.setProxyUsername(proxyUsername);
config.setProxyPassword(proxyPassword);
try {
EnterpriseConnection connection = new EnterpriseConnection(config);
// etc.
} catch (ConnectionException ce) {
ce.printStackTrace();
}
```

Standard SOQL Usage

Currently, the only supported SOQL function on LoginEvent is `WHERE`, and you can only use comparison operators (=, <, >, <=, and >=) on the final expression in a `WHERE` clause. The != operator isn't supported.

Note: Date functions such as `convertTimezone()` aren't supported. For example, `SELECT CALENDAR_YEAR(EventDate), Count(EventIdentifier) FROM LoginEvent GROUP BY CALENDAR_YEAR(EventDate)` returns an error. You can use date literals in your queries and some date and date/time functions like `TODAY`, `YESTERDAY`, and `LAST_n_DAYS:1`. However, these functions use comparison operators behind the scenes. This means you can only use them in the final expression of a `WHERE` clause.

LoginEvent allows filtering over two ordered fields: `EventDate` and `EventIdentifier`. There's a catch here; your query won't work unless you use the correct order and combination of these fields. The following list provides some examples of valid and invalid queries:

- **Unfiltered**
  - **Valid**—Contains no `WHERE` clause, so no special rules apply.

    ```
    SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
    FROM LoginEvent
    ```

- **Filtered on** `EventDate`
  - **Valid**—You can filter solely on `EventDate`, but single filters on other fields fail. You can also use a comparison operator in this query type.

    ```
    SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
    FROM LoginEvent
    WHERE EventDate<=2014-11-27T14:54:16.000Z
    ```

- **Valid**—You can filter on `EventDate` using date literals.

```
SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
FROM LoginEvent
WHERE EventDate<=TODAY
```

- **Filtered on** `EventDate` **and** `EventIdentifier`
  - **Valid**—Successful queries on LoginEvent filter over both fields.

```
SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
FROM LoginEvent
WHERE EventDate=2014-11-27T14:54:16.000Z and
EventIdentifier='f0b28782-1ec2-424c-8d37-8f783e0a3754'
```

  - **Invalid**—Queries on LoginEvent with `EventDate` and standard date literals.

```
SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
FROM LoginEvent
WHERE EventDate=TODAY and EventIdentifier='f0b28782-1ec2-424c-8d37-8f783e0a3754'
```

  - **Invalid**—Filtering only on `EventDate` with <= or >= operator and `EventIdentifier` field isn't supported.

```
SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId
FROM LoginEvent
WHERE EventDate<=2014-11-27T14:54:16.000Z and
EventIdentifier='f0b28782-1ec2-424c-8d37-8f783e0a3754'
```

Async SOQL Usage

With Async SOQL, you can filter on any field in LoginEvent and use any comparison operator in your query.

Example: Get Yesterday's Successful Logins

```
SELECT Application, Browser, EventDate, EventIdentifier, LoginUrl, UserId FROM LoginEvent
WHERE EventDate<Yesterday AND Status='Success'
```

SEE ALSO:

Async SOQL Guide (Pilot)

LoginGeo

Represents the geographic location of the user's IP address for a login event. Due to the nature of geolocation technology, the accuracy of geolocation fields (for example, country, city, postal code) may vary. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with Manage Users permissions can access this object.

Fields

Field	Details
City	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The city where the user's IP address is physically located. This value is not localized.
Country	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The country where the user's IP address is physically located. This value is not localized.
CountryIso	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ISO 3166 code for the country where the user's IP address is physically located. For more information, see Country Codes - ISO 3166
Latitude	**Type** double **Properties** Filter, Nillable, Sort **Description** The latitude where the user's IP address is physically located.
LoginTime	**Type** dateTime **Properties** Filter, Sort **Description** Time of the login attempt, in GMT time zone.

Field	Details
`Longitude`	**Type** double **Properties** Filter, Nillable, Sort **Description** The longitude where the user's IP address is physically located.
`PostalCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The postal code where the user's IP address is physically located. This value is not localized.
`Subdivision`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the subdivision where the user's IP address is physically located. In the U.S., this value is usually the state name (for example, Pennsylvania). This value is not localized.

Usage

The API allows you to do many powerful queries. A few examples are:

Sample Query	Query String
Query showing the country for a login event, where `Id=LoginGeoId` from AuthSession	`SELECT Country FROM LoginGeo WHERE Id = '0LE###############'`
Query showing the city and postal code for a login event, where `Id=LoginGeoId` from LoginHistory	`SELECT City, PostalCode FROM LoginGeo WHERE Id = '0SO###############'`

LoginHistory

Represents the login history for all successful and failed login attempts for organizations and enabled portals. This object is available in API version 21.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

With one exception, only users with Manage Users permissions can access this object. The exception is that, in API version 37.0 and later, all users can retrieve their own login history records.

Fields

Field	Details
`ApiType`	**Type** string **Properties** Group, Nillable, Sort **Description** Indicates the API type, for example `Soap Enterprise`. Label is **API Type**.
`APIVersion`	**Type** string **Properties** Group, Nillable, Sort **Description** Displays the API version used by the client. Label is **API Version**.
`Application`	**Type** string **Properties** Group, Nillable, Sort **Description** The application used to access the organization. Label is **Application**.
`AuthenticationServiceId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character ID for an authentication service for a login event. For example, you can use this field to identify the SAML or authentication provider configuration with which the user logged in. This field is available in API version 34.0 and later. Label is **Authentication Service Id**.
`Browser`	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description The current browser version. Label is **Browser**.
`ClientVersion`	**Type** string **Properties** Group, Nillable, Sort **Description** Version of the API client. Label is **Client Version**.
`CipherSuite`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The TLS cipher suite used for the login. Values are OpenSSL-style cipher suite names, with hyphen delimiters. For more information, see OpenSSL Cryptography and SSL/TLS Toolkit. This field is available in API version 37.0 and later.
`CountryIso`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ISO 3166 code for the country where the user's IP address is physically located. For more information, see Country Codes - ISO 3166. This field is available in API version 37.0 and later.
`LoginGeoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character ID for the record of the geographic location of the user for a successful or unsuccessful login event. Due to the nature of geolocation technology, the accuracy of geolocation fields (for example, country, city, postal code) can vary. This field is available in API version 34.0 and later.
`LoginTime`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field	Details
	Description Time zone is based on GMT. Label is **Login Time**.
`LoginType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of login, for example, Application, OAuth, or SAML. Label is **Login Type**.
`LoginUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL from which the login request is coming. Label is **Login URL**.
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the community that the user is logging in to. This field is available in API version 31.0 and later, if Salesforce Communities is enabled for your organization.
`Platform`	**Type** string **Properties** Group, Nillable, Sort **Description** Operating system on the login machine. Label is **Platform**.
`SourceIp`	**Type** string **Properties** Group, Nillable, Sort **Description** IP address of the machine from which the login request is coming. The address can be an IPv4 or IPv6 address in API version 23.0 or later. In API version 22.0 or earlier, the address is an IPv4 address, and IPv6 addresses are null. Label is **Source IP**.

Field	Details
`Status`	**Type** string **Properties** Group, Nillable, Sort **Description** Displays the status of the attempted login. Status is either success or a reason for failure. Label is **Status**.
`TlsProtocol`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The TLS protocol used for the login. Possible values are: • `TLS 1.0` • `TLS 1.1` • `TLS 1.2` • `Unknown` This field is available in API version 37.0 and later.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user logging in. Label is **User ID**.

Usage

Not all fields are filterable. You can only filter on the following fields:

- `AuthenticationServiceId`
- `CipherSuite`
- `CountryIso`
- `Id`
- `LoginTime`
- `LoginType`
- `LoginUrl`
- `NetworkId`
- `TlsProtocol`

- `UserId`

The API allows you to do many powerful queries. A few examples are:

Sample Query	Query String
Simple query showing UserId & LoginTime for each user	`SELECT UserId, LoginTime from LoginHistory;`
Query showing logins only after a specified date and time	`SELECT UserId, LoginTime from LoginHistory WHERE LoginTime > 2010-09-20T22:16:30.000Z;`
Query showing logins for a specific time interval	`SELECT UserId, LoginTime from LoginHistory WHERE LoginTime > 2010-09-20T22:16:30.000Z AND LoginTime < 2010-09-21T22:16:30.000Z;`
Query showing the authentication service for a SAML login event, where `Id=AuthenticationServiceId` from LoginHistory	`SELECT name, issuer, samlVersion FROM SamlSsoConfig WHERE Id = '0LE###############'`
Query showing the authentication service for an authentication provider login event, where `Id=AuthenticationServiceId` from LoginHistory	`SELECT Type, DeveloperName FROM AuthProvider WHERE Id = '0SO###############'`

LoginIp

Represents a validated IP address. This object is available in version 28.0 and later.

Supported Calls

`describeSObjects()`, `delete()`, `query()`, `retrieve()`

Fields

Field	Details
`ChallengeMethod`	**Type** picklist **Properties** Filter, Nillable, Sort **Description** The challenge method used to confirm the user's identity. Possible values include the following. • `Email` • `SMS` • `TOTP_CHOICE`: The user chooses two-factor authentication. • `TOTP_ONLY`: The user is required to use two-factor authentication.

Field	Details
`ChallengeSentDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the user was authenticated.
`IsAuthenticated`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has already been authenticated.
`SourceIp`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The IP address the user logged in from.
`UsersId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user associated with this item.

Usage

At every login, the IP address of the login request is checked against the validated IP addresses using LoginIp. A match means the login IP address is a known IP address. If there's no match, the address is unknown, and the user is asked to confirm their identity.

LogoutEventStream (Beta)

LogoutEventStream represents an event associated with a user UI logout. A logout event records a successful user logout from your org's UI. This object is read only, and you can't retrieve it using a SOQL query. This object is available in API version 41.0 and later.

Note: As a beta feature, the LogoutEventStream object is a preview and isn't part of the "Services" under your master subscription agreement with Salesforce. Use this feature at your sole discretion, and make your purchase decisions only on the basis of generally available products and features. Salesforce doesn't guarantee general availability of this feature within any particular time frame or at all, and we can discontinue it at any time. This feature is for evaluation purposes only, not for production use. It's offered as is and isn't supported, and Salesforce has no liability for any harm or damage arising out of or in connection with it. All restrictions, Salesforce reservation of rights, obligations concerning the Services, and terms for related Non-Salesforce Applications and Content apply equally to your use of this feature. You can provide feedback and suggestions for the LogoutEventStream object in the Salesforce Identity group in the Trailblazer Community. For information on enabling this feature in your org, contact Salesforce.

When LogoutEventStream is enabled, Salesforce publishes logout events, and you can add an Apex trigger to subscribe to those events. You can then implement custom logic during logout. For example, you can revoke all refresh tokens for a user at logout.

Note: LogoutEventStream records logouts, not timeouts. Timeouts don't cause a LogoutEventStream object to be published. An exception is when a user is automatically logged out of the org after their session times out because the org has the **Force logout on session timeout** setting enabled. In this case, a logout event is recorded. However, if users close their browser during a session, regardless of whether the **Force logout on session timeout** setting is enabled, a logout event isn't recorded.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`EventDate`	**Type** datetime **Properties** Filter, Nillable, Sort **Description** Represents when the event started.
`EventIdentifier`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the event ID for correlation purposes.
`LoginKey`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The string that ties together all events in a given user's login session. It starts with a login event and ends with either a logout event or the user session expiring.
`RelatedEventIdentifier`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Represents the EventIdentifier of the related event.
`ReplayId`	**Type** string **Properties** Filter, Nillable, Sort **Description** Represents the Numeric ID that identifies the logout event. Each ID is incremented automatically and guaranteed to be higher than the ID of the previous event, but not necessarily contiguous for consecutive events.
`SessionKey`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user's unique session ID. You can use this value to identify all user events within a session. When a user logs out and logs in again, a new session is started.
`SessionLevel`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the session-level security of the session that the user is logging out of for this event. Session-level security controls user access to features that support it, such as connected apps and reporting. Possible values are: • LOW - The user's security level for the current session meets the lowest requirements. Note: This low level is not available, nor used, in the Salesforce UI. User sessions through the UI are either standard or high assurance. You can set this level using the API, but users assigned this level will experience unpredictable and reduced functionality in their Salesforce org. • STANDARD - The user's security level for the current session meets the Standard requirements set in the current organization Session Security Levels. • HIGH_ASSURANCE - A high assurance session was used for the current session. For example, when the user tries to access a resource such as a connected app, report, or dashboard that requires a high assurance session level.

Field Name	Details
	This field is available in API version 43.0 and later.
SourceIp	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The source IP address of the client logging out. For example, `126.7.4.2`. This field is available in API version 43.0 and later.
UserId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Represents the ID of the user associated with the logout event.
Username	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the username of the user associated with the logout event.

Usage

In this example, the subscriber inserts a custom logout event record during logout.

```
trigger LogoutEventTrigger on LogoutEventStream (after insert) {
  LogoutEventStream event = Trigger.new[0];
  LogoutEvent__c record = new LogoutEvent__c();
  record.EventIdentifier__c = event.EventIdentifier;
  record.UserId__c = event.UserId;
  record.Username__c = event.Username;
  record.EventDate__c = event.EventDate;
  record.RelatedEventIdentifier__c = event.RelatedEventIdentifier;
  record.SessionKey__c = event.SessionKey;
  record.LoginKey__c = event.LoginKey;
  insert(record);
}
```

LookedUpFromActivity

This read-only object is displayed as a related list on an activity record (an event or a task); the list contains records that have custom lookup relationships from the activity to another object. This object is not queryable.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the related account, which is determined as follows: • The account associated with the `WhatId`, if it exists; or • The account associated with the `WhoId`, if it exists; otherwise • `null` For information on IDs, see Field Types
`ActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Indicates one of the following: • The due date of a task • The date of an event if `IsAllDayEvent` is set to `true` This field has a time stamp that is always set to midnight in the Universal Time Coordinated (UTC) time zone. The time stamp doesn’t represent the time of the activity; don’t attempt to alter it to accommodate time zone differences. Label is `Date`.
`ActivitySubtype`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description Provides standard subtypes to facilitate creating and searching for specific activity subtypes. This field isn't updateable. `ActivitySubtype` values: • Task • Email • Call • Event • List Email
`ActivityType`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Represents one of the following values: `Call`, `Meeting`, or `Other`. Label is `Type`.
`CallDisposition`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the result of a given call; for example, "we'll call back," or "call unsuccessful." Limit is 255 characters.
`CallDurationInSeconds`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Duration of the call in seconds.
`CallObject`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of a call center. Limit is 255 characters.

Field Name	Details
CallType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of call being answered: Inbound, Internal, or Outbound.
Description	**Type** textarea **Properties** Nillable **Description** Contains a description of the event or task. Limit is 32 KB.
DurationInMinutes	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Indicates the duration of the event or task.
EndDateTime	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the end date and time of the event or task. Available in versions 27.0 and later. This field is optional, depending on the following: • If `IsAllDayEvent` is true, you can supply a value for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If both fields are `null`, the duration defaults to one day. • If `IsAllDayEvent` is false, a value must be supplied for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time.
IsAllDayEvent	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description If the value of this field is set to `true`, then the activity is an event spanning a full day, and the `ActivityDate` defines the date of the event. If the value of this field is set to `false`, then the activity may be an event spanning less than a full day, or it may be a task. Label is `All-Day Event`.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a task is closed; value is always `false`. This field is set indirectly by setting `Status` on the task—each picklist value has a corresponding `IsClosed` value. Label is `Closed`.
`IsHighPriority`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates a high-priority task. This field is derived from the `Priority` field.
`IsReminderSet`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a reminder is set for an activity (`true`) or not (`false`).
`IsTask`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If the value of this field is set to `true`, then the activity is a task; if the value is set to `false`, then the activity is an event. Label is `Task`.
`IsVisibleInSelfService`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description If the value of this field is set to `true`, then the activity can be viewed in the self-service portal. Label is `Visible in Self-Service`.
`Location`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If the activity is an event, then this field represents the location of the event. If the activity is a task, then the value is `null`.
`OwnerId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the user who owns the activity.
`Priority`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the priority of a task, such as high, normal, or low.
`ReminderDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Represents the time at which a reminder is scheduled to fire if `IsReminderSet` is set to `true`. If `IsReminderSet` is set to `false`, then either the user has deselected the reminder checkbox in the user interface or the reminder has already fired at the time indicated by the value.
`StartDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates the start date and time of the event. Available in versions 13.0 and later.

Field Name	Details
	The StartDateTime field contains the event start date. However, if the event's IsAllDayEvent flag is set to true (indicating an all-day event), then the time stamp in the StartDateTime field is always set to midnight in the Coordinated Universal Time (UTC) time zone. Don't attempt to alter the time stamp to account for any time zone differences. If the event's IsAllDayEvent flag is set to false, then you must translate the time portion of the time stamp in the StartDateTime field to or from a local time zone for the user or the application, as appropriate, and the translation must be in the Coordinated Universal Time (UTC) time zone. If this field has a value, then ActivityDate and ActivityDateTime either must be null or must match the value of this field.
Status	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the current status of a task, such as in progress or complete. Each predefined status field sets a value for IsClosed.
Subject	**Type** combobox **Properties** Filter, Nillable, Sort **Description** Contains the subject of the task or event.
WhatId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The WhatId represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. WhatIds are polymorphic. Polymorphic means a WhatId is equivalent to the ID of a related object. The label is Related To ID.
WhoId	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is `Name ID`.

Usage

Query activities related to an object

1. Optionally, issue a describe call against the object whose activities you wish to query, to get a suggestion of the correct SOQL to use.
2. Issue a SOQL relationship query with a main clause that references the object, and an inner clause that references the activity custom lookup relationship; for example:

```
SELECT id, name,
(SELECT id, subject from sponsoredact__r)
FROM Contact
```

   In this example *`sponsoredact__r`* is a user defined relationship list.

The user interface enforces sharing rules, filtering out related-list items that a user doesn't have permission to see.

The following restrictions on users who don't have "View All Data" permission help prevent performance issues:

- In the main clause of the relationship query, you can reference only one record. For example, you can't filter on all records where the account name starts with 'A'; instead, you must reference a single account record.
- In the inner clause of the query, you can't use `WHERE`.
- In the inner clause of the query, you must specify a limit of 500 or fewer on the number of rows that are returned in the list.
- You must sort on `ActivityDate` in descending order and `LastModifiedDate` in descending order; you can display nulls last. For example: `ORDER BY ActivityDate DESC NULLS LAST, LastModifiedDate DESC`.

Macro

Represents a macro, which is a set of instructions that tells the system to perform one or more tasks. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`

Fields

Field	Details
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of what this macro does.
IsAlohaSupported	**Type** boolean **Properties** Defaulted on create, Filter **Description** Specifies whether the macro is supported in Salesforce Classic.
IsLightningSupported	**Type** boolean **Properties** Defaulted on create, Filter **Description** Specifies whether the macro is supported in Lightning Experience.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the macro record was last referenced.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the macro record was last viewed.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Name of the macro.
`OwnerId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the owner of the session record.
`StartingContext`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The object the macro performs actions on. In Salesforce Classic, macros are supported on objects with both feed-based layouts and quick actions. In Lightning Experience, macros are supported on standard and custom objects that allow quick actions and have a customizable page layout.

Usage

A macro definition consists of a Macro object and several associated MacroInstruction objects.

First, create a Macro object. Then, create MacroInstruction objects.

A macro contains an ordered list of macro instructions whose index field, `sortOrder`, is 0-based. If there's an incorrect sequence of macro instructions, the macro doesn't execute.

If you update a macro definition or add or remove instructions from a macro, delete the existing macro instructions and re-create instructions. Make sure that the `sortOrder` field that defines the execution order is correct. To delete an entire macro definition, invoke the delete operation on the Macro object.

The table describes the supported macro instruction targets and how they relate to each other.

Note: Strings indicated by `<brackets>` are variables. The variable description describes the required type. For example, `Tab.<EntityApiName` requires the entity name. If your custom entity name is `MyCustomObject`, your target API is `Tab.MyCustomObject__c`.

If a macro instruction listed in the table supports an implicit operation, you can use that operation as a direct child instruction without explicitly specifying a target. The hyphens used in the table illustrate the hierarchical relationship between targets. A target isn't available if its parent isn't.

Table 1: Macro Instruction Target Grammar and Hierarchy

Target API Name	Supported Operations
`Tab.<EntityApiName>`	SELECT, CLOSE (implicit)

Target API Name	Supported Operations
- QuickAction.<EntityApiName>.<QuickActionName>	SELECT, SUBMIT (implicit)
- - Field.<QATargetEntityApiName>.<FieldApiName>	SET
- - Field.<QATargetEntityApiName>.<MultilineTextFieldApiName>.cursor	INSERT
- - Field.<QATargetEntityApiName>.<SinglelineTextFieldApiName>.end	INSERT
- QuickAction.Case.Email	SELECT, SUBMIT (implicit)
- - Field.EmailMessage.<FieldApiName>	SET
- - Field.EmailMessage.<MultilineTextFieldApiName>.cursor	INSERT
- - Field.EmailMessage.<SinglelineTextFieldApiName>.end	INSERT
- - Field.EmailTemplate	SET
- SidebarCmp.Knowledge	SELECT
- - SearchAction.KnowledgeArticle	SELECT
- - - Field.SearchString	SET, INSERT
- - - Command.Search	SUBMIT
- - SearchResult.KnowledgeArticle.MostRecentItem	SELECT
- - - Command.AttachToRecord	SUBMIT
- - - Command.InsertToEmail	SUBMIT
- - - Command.AttachToEmailAsPDF	SUBMIT

Example: This example describes a macro that opens a quick action, sets some fields in the quick action, and submits the quick action.

```
0. SELECT Tab.Case
1.   SELECT QuickAction.Case.Email
2.     SET Field.EmailMessage.Subject
3.     SET Field.EmailMessage.ToAddress
4.     INSERT Field.EmailMessage.HtmlBody.cursor
5.     SUBMIT
```

MacroInstruction

Represents an instruction in a macro. An instruction can specify the object that the macro interacts with, the context or publisher that the macro works within, the operation or action that the macro performs, and the target of the macro's actions. It is a useful way to programmatically define instructions, instead of using the macro widget in the console.

Supported Calls

create(), delete(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve(), undelete(), update(), upsert()

Fields

Field Name	Details
MacroId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the macro that contains this instruction.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** Name of the instruction.
Operation	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The action that the macro instruction performs.
SortOrder	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Order of this instruction in the macro.
Target	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Object in the case feed that is the target of the operation. For example, the target might be the active case tab or a quick action.

Field Name	Details
`Value`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Value of a field. If the operation is Select, then the value is null, because the operation selects the object on which the macro performs an action. An instruction can contain both a `Value` field and a `ValueRecord` field, but only one of these fields can have a value. The other field value must be null.
`ValueRecord`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the value or record. The `ValueRecord` can be either a value or a record, but not both. An instruction can contain both a `Value` field and a `ValueRecord` field, but only one of these fields can have a value. The other field value must be null.

MailmergeTemplate

Represents a mail merge template (a Microsoft Word document) used for performing mail merges for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

- All users can view this object, but you need the “Customize Application” permission to modify it.
- Customer Portal users can’t access this object.

Fields

Field	Details
`Body`	**Type** base64

Field	Details
	Properties Create **Description** Required. Microsoft Word document to use as a mail merge template. Due to limitations with Microsoft Word mail merge templates, your client application can specify the Body field when creating these records, but not when updating them. Limit: 5 MB.
`BodyLength`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Length of the Microsoft Word document.
`Description`	**Type** string **Properties** Create, Filter,Group, Nillable, Sort, Update **Description** Required. Text description of this mail merge template. Limit: 255 characters.
`Filename`	**Type** string **Properties** Create, Filter, Group, Sort **Description** Required. File name of the Microsoft Word document that was uploaded as a mail merge template. Limit: 255 characters in length.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LastUsedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field	Details
	Description Date and time when this MailmergeTemplate was last used.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of this mail merge template.
SecurityOptionsAttachmentHasFlash	**Type** boolean **Properties** Create, Filter, Update **Description** Required. True if Flash Injection was detected in the attachment.
SecurityOptionsAttachmentHasXSSThreat	**Type** boolean **Properties** Create, Filter, Update **Description** Required. True if a cross site scripting threat was detected in the attachment.
SecurityOptionsAttachmentScannedforFlash	**Type** boolean **Properties** Create, Filter, Update **Description** Required. True if the attachment has been scanned for Flash Injection.
SecurityOptionsAttachmentScannedForXSS	**Type** boolean **Properties** Create, Filter, Update **Description** Required. True if the attachment has been scanned for a cross site scripting threat.

Usage

Use this object to manage mail merge templates for your organization.

SEE ALSO:

Object Basics

MaintenanceAsset

Represents an asset covered by a maintenance plan in field service. Assets can be associated with multiple maintenance plans.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AssetId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The asset associated with the maintenance asset.
`ContractLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Contract line item associated with the maintenance asset. This field can only list a contract line item that is associated with the asset, and whose parent service contract is associated with the parent maintenance plan.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The date when the maintenance asset was last modified. Its label in the user interface is Last Modified Date.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product request was last viewed.
`MaintenanceAssetNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-assigned number that identifies the maintenance asset.
`MaintenancePlanId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Maintenance plan associated with the maintenance asset.
`NextSuggestedMaintenanceDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The suggested date of service for the maintenance asset's first work order (not the date the work order is created). This corresponds to the work order's `SuggestedMaintenanceDate`. If left blank when the maintenance asset is created, this field inherits its initial value from the related maintenance plan. This field auto-updates after each batch is generated. Its label in the user interface is Date of the first work order in the next batch.
`WorkTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Work type associated with the maintenance asset. Work orders generated from the maintenance plan inherit its work type's duration, required skills and products, and linked articles. Maintenance assets covered by the plan use the same work type, though you can update them to use a different one.

MaintenancePlan

Represents a preventive maintenance schedule for one or more assets in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The associated account, which typically represents the customer receiving the maintenance service.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The associated contact.
`Description`	**Type** textarea

Field Name	Details
	Properties Create, Nillable, Update **Description** A brief description of the plan.
DoesAutoGenerateWorkOrders	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Turns on auto-generation of work order batches for a maintenance plan and prohibits the manual generation of work orders via the Generate Work Orders action. If this option is selected, a new batch of work orders is generated for the maintenance plan on the NextSuggestedMaintenanceDate listed on each maintenance asset, or on the maintenance plan if no assets are included. If a GenerationHorizon is specified, the date of generation is that many days earlier.
DoesGenerateUponCompletion	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If both this option and DoesAutoGenerateWorkOrders are set to true, a new batch of work orders isn't generated until the last work order generated from the maintenance plan is completed. A work order is considered completed when its status falls into one of the following status categories: Cannot Complete, Canceled, Completed, or Closed. If a maintenance plan covers multiple assets, work orders are generated per asset. If a maintenance asset's final work order is completed late, its work order generation is delayed, which may cause a staggered generation schedule between maintenance assets.
EndDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last day the maintenance plan is valid.
Frequency	**Type** int

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** (Required) Amount of time between work orders. The unit is specified in the `FrequencyType` field.
`FrequencyType`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** (Required) The unit of frequency: • Days • Weeks • Months • Years For example, to perform monthly maintenance visits you need a work order for each visit, so enter 1 as the `Frequency` and select Months.
`GenerationHorizon`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Moves up the timing of batch generation if `DoesAutoGenerateWorkOrders` is set to true. A generation horizon of 5 means the new batch of work orders is generated 5 days before the maintenance asset's (or maintenance plan's, if there are no assets) `NextSuggestedMaintenanceDate`. The generation horizon must be a whole number.
`GenerationTimeframe`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** (Required) How far in advance work orders are generated in each batch. The unit is specified in the `GenerationTimeframeType` field.
`GenerationTimeframeType`	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** (Required) The generation timeframe unit: • Days • Weeks • Months • Years For example, if you need work orders for six months, enter 6 and select Months.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Where the service takes place.
`MaintenancePlanNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read Only) An auto-assigned number that identifies the maintenance plan.

Field Name	Details
MaintenancePlanTitle	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A name for the maintenance plan.
MaintenanceWindowEndDays	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Days after the suggested service date on the work order that its service appointment can be scheduled.
MaintenanceWindowStartDays	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Days before the suggested service date on the work order that its service appointment can be scheduled. The maintenance window start and end fields affect the Earliest Start Permitted and Due Date fields on the maintenance plan's work orders' service appointments. For example, if you enter 3 for both the maintenance window start and end, the Earliest Start Permitted and the Due Date will be 3 days before and 3 days after, respectively, the Suggested Maintenance Date on each work order. If the maintenance window fields are left blank, the service appointment date fields list their work order's suggested maintenance date.
NextSuggestedMaintenanceDate	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The suggested date of service for the first work order (not the date the work order is created). This corresponds to the work order's `SuggestedMaintenanceDate`. You can use this field to enforce a delay before the first maintenance visit (for example, if monthly maintenance should begin one year after the purchase date). Its label in the user interface is Date of the first work order in the next batch. For example, if you want the first maintenance visit to take place on May 1, enter May 1. When you generate work orders, the earliest work order will list a suggested

Field Name	Details
	maintenance date of May 1, and the dates on the later work orders will be based on the `GenerationTimeframe` and `Frequency`. **Important:** Maintenance assets also list a `NextSuggestedMaintenanceDate`, which is initially inherited from the maintenance plan. If the plan has maintenance assets, this date auto-updates on the maintenance assets after each batch is generated, but doesn't update on the maintenance plan itself because batch timing is calculated at the maintenance asset level. If the plan doesn't have maintenance assets, this date auto-updates on the maintenance plan after each batch is generated.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the maintenance plan.
`ServiceContractId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service contract associated with the maintenance plan. The service contract can't be updated if any child maintenance asset is associated with a contract line item from the service contract.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The first day the maintenance plan is valid.
`WorkOrderGenerationStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** (Read Only) Indicates whether the work order generation is in progress or complete. You can generate only one batch at a time.

Field Name	Details
WorkTypeId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The associated work type. Work orders generated from the maintenance plan inherit its work type's duration, required skills and products, and linked articles. Maintenance assets covered by the plan use the same work type, though you can update them to use a different one.

MatchingRule

Represents a matching rule that is used to identify duplicate records. This object is available in API version 33.0 and later.

A matching rule compares field values to determine whether a record is similar enough to existing records to be considered a duplicate. For example, a matching rule can specify that if the `Email` and `Phone` values of two records match exactly, the records are possible duplicates. Your organization uses matching rules with duplicate rules to define what happens when duplicates are identified.

If the rule is for a Person Account, `SobjectSubType` is automatically set to `PersonAccount`.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
BooleanFilter	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Specifies filter logic conditions.
Description	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** The description of the matching rule.

Field Name	Details
DeveloperName	**Type** string **Properties** Filter, Group, Sort **Description** The developer name for the matching rule.
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language selected for your organization.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The name of the matching rule.
MatchEngine	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The match engine used by the matching rule.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix for matching rules for your organization.
RuleStatus	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Required. The activation status of the matching rule. Values are:

Field Name	Details
	• *Inactive* • *Deactivating* • *DeactivationFailed* • *Active* • *Activating* • *ActivationFailed* **Important:** The only valid values you can declare when deploying a package are *Active* and *Inactive*.
SobjectSubType	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable Restricted picklist, Sort **Description** Read-only. Indicates if the matching rule is defined for the Person subtype of Account. Valid values are: • PersonAccount • None If the rule is for a Person Account, SobjectSubType is automatically set to PersonAccount.
SobjectType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The object for the matching rule.

Usage

Use the Salesforce API to retrieve and view details about MatchingRule and MatchingRuleItem. Use the Salesforce Metadata API to create, update, or delete these objects.

SEE ALSO:

MatchingRuleItem

DuplicateRule

MatchingRuleItem

Represents criteria used by a matching rule to identify duplicate records. This object is available in API version 33.0 and later.

A matching rule item determines which field the matching rule uses to identify a duplicate record. It also determines the method used to compare value that two records have for the field. For example, a matching rule item might specify that the `Email` field values of two records must match exactly in order for the records to be considered duplicates.

When a matching rule has multiple matching rule items, it means that multiple fields must match in order for the records to be identified as dupcliates.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`BlankValueBehavior`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Specifies how blank fields affect whether the fields being compared are considered matches. Valid values are: • *`MatchBlanks`* • *`NullNotAllowed`* (default)
`Field`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates which field to compare when determining if a record is similar enough to an existing record to be considered a match.
`MatchingMethod`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Defines how the fields are compared. Choose between the exact matching method and various fuzzy matching methods. Valid values are: • *`Exact`* • *`FirstName`* • *`LastName`* • *`CompanyName`*

Field Name	Details
	• *Phone* • *City* • *Street* • *Zip* • *Title* For details on each matching method, see “Matching Methods Used with Matching Rules” in the Salesforce Help.
`MatchingRuleId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID for the matching rule.
`SortOrder`	**Type** int **Properties** Filter, Group, Sort **Description** The order of the matching rule items for a matching rule.

Usage

Use the Salesforce SOAP API to retrieve and view details about MatchingRule and MatchingRuleItem. Use the Salesforce Metadata API to create, update, or delete these objects.

SEE ALSO:

MatchingRule

DuplicateRule

MetadataPackage

Represents a managed or unmanaged package that has been developed in the org you're logged in to.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The name of the package.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** For managed packages, this field is the namespace prefix assigned to the package. For unmanaged packages, this field is blank.

Usage

Here are examples of the types of API queries you can perform.

Query	String
Show all managed and unmanaged packages in the org	`SELECT Name, NamespacePrefix FROM MetadataPackage`
Show only managed packages in the org	`SELECT Name, NamespacePrefix FROM MetadataPackage WHERE NamespacePrefix <> ''`

MetadataPackageVersion

Represents a package version (managed or unmanaged) that has been uploaded from the org you're logged in to.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`BuildNumber`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The build number of the version. For example, if you upload two beta versions, they have build numbers 1 and 2. Then, when you upload a non-beta version, the build number is 3. When you upload a new version, the build number resets to 1.
`MajorVersion`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The first number in a package version number. A version number either has an `x.y` format or an `x.y.z` format. The `x` represents the major version, `y` the minor version, and `z` the patch version.
`MetadataPackageId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character package ID starting with `033`.
`MinorVersion`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The second number in a package version number. A version number either has an `x.y` format or an `x.y.z` format. The `x` represents the major version, `y` the minor version, and `z` the patch version.
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort

Field Name	Details
	Description The name of the package version.
`PatchVersion`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The third number in a package version number, if present. A version number either has an `x.y` format or an `x.y.z` format. The `x` represents the major version, `y` the minor version, and `z` the patch version.
`ReleaseState`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** If the package version is a beta version, the value is `Beta`. Otherwise, the value is `Released`.

Usage

Here are examples of the types of API queries you can perform.

Query	String
Get all package versions for the package that has a `MetadataPackageID` of 033D00000001xQlIAI	`SELECT Id, Name, ReleaseState, MajorVersion, MinorVersion, PatchVersion FROM MetadataPackageVersion WHERE MetadataPackageId = '033D00000001xQlIAI'`
Get the package version for the package with a specific `MetadataPackageID` and a major version greater than 1	`SELECT Id FROM MetadataPackageVersion WHERE MetadataPackageId ='033D00000001xQlIAI' AND MajorVersion > 1`
Get released package versions for the package with a specific `MetadataPackageID`	`SELECT Id FROM MetadataPackageVersion WHERE MetadataPackageId = '033D00000001xQlIAI' AND ReleaseState = 'Released'`

Java Code Sample

Suppose you want to push version 3.4.6 of your package to all orgs. Let’s write some code to identify the orgs eligible for the upgrade. This example demonstrates how to generate the list of subscriber orgs eligible to be upgraded to version 3.4.6 of a package.

This code sample uses the Web Services Connector (WSC).

```
// Finds all Active subscriber orgs that have the package installed
String PACKAGE_SUBSCRIBER_ORG_KEY_QUERY = "Select OrgKey from PackageSubscribers where
OrgStatus = 'Active' and InstalledStatus = 'I'";

// Finds all MetadataPackageVersions lower than the version given, including the list
// of subscribers for each version
String METADATA_PACKAGE_VERSION_QUERY = "Select Id, Name, ReleaseState, (%s) from"
 + " MetadataPackageVersion where MetadataPackageId = '%s' AND ReleaseState = 'Released'"

 + " AND (MajorVersion < 3 OR (MajorVersion = 3 and MinorVersion < 4)"
 + " OR (MajorVersion = 3 and MinorVersion = 4 and PatchVersion < 6))";

// conn is an EnterpriseConnection instance initialized with a ConnectionConfig object
// representing a connection to the developer org of the package
QueryResult results = conn.query(String.format(METADATA_PACKAGE_VERSION_QUERY,
PACKAGE_SUBSCRIBER_ORG_KEY_QUERY));

// This list will hold all of the PackageSubscriber objects that are eligible for upgrade
// to the given version
List<PackageSubscriber> subscribers = new ArrayList<>();
for (SObject mpvso : results.getRecords()) {

  // Cast the sObject to a MetadataPackageVersion
  MetadataPackageVersion mpv = (MetadataPackageVersion) mpvso;

  // Add subscribers to our list
  if (mpv.getPackageSubscribers() != null) {
   for (SObject psso : mpv.getPackageSubscribers().getRecords()) {
    subscribers.add((PackageSubscriber) psso);
   }
 }
}
```

Next Step

Create a push request using PackagePushRequest.

Metric

The Metric object represents the components of a goal metric such as its name, metric type, and current value.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
CompletionDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The completion date of the metric.
CurrentValue	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The current value of the metric.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the metric. The maximum length is 65,535 characters.
DueDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The due date of the metric.
GoalId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the goal the metric is related to.
InitialValue	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update

Field Name	Details
	Description The initial value of the metric.
`IsCompletionMetric`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read only. If `true`, the metric measures whether or not the metric is finished. If `false`, the metric measures how much is finished compared to a targeted value.
`LastComment`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A comment that provides more context about the metric, such as its status or progress. The maximum length is 255 characters.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp that indicates when a user last viewed a record that is related to this metric.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp that indicates when a user last viewed this metric. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The name of the metric.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the user who owns the metric.
`Progress`	**Type** percent **Properties** Filter, Nillable, Sort **Description** Read only. The overall progress of the metric.
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the related record type.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The start date of the metric.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The status of the metric. Possible values include: • Not Started • On Track • Behind • Critical

Field Name	Details
	• Completed • Postponed • Canceled • Not Completed
TargetValue	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The target value of the metric.
Weight	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The weight of the metric. The sum of the weights should equal 100%.

MetricDataLink

The link between the metric and the data source, such as a report.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
DatasourceFieldName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The field name of the data source, such as a report summary field.

Field Name	Details
DataSourceId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the data source.
LastSynchronizationTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The last time the data was synchronized.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The name given to the data link record.
TargetId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the metric that the data is linked to.

MetricDataLinkHistory

This read-only object contains historical information about changes that have been made to the MetricDataLink object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
MetricDataLinkId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the MetricDataLink.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

MetricFeed

Represents a single feed item in the feed displayed on a Metric record.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is TextPost. Optional when `Type` is ContentPost or LinkPost. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The numbers of FeedComments associated with this feed item.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. Required if `Type` is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets `Type` to ContentPost.
`ContentSize`	**Type** int **Properties** Available in API version 36.0 and earlier only. Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string **Properties** Available in API version 36.0 and earlier only. Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines.

Field Name	Details
	• `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` **Note:** In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the metric record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file.

Field Name	Details
	• `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

MetricHistory

This read-only object contains historical information about changes that have been made to the Metric object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`MetricId`	**Type** reference

Field Name	Details
	Properties Filter, Group, Sort **Description** ID of the Metric.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

MetricsDataFile

Represents a data file containing usage metrics on all installations of a managed package in a Salesforce instance. This object is available in API version 30.0 and later.

Supported Calls

`query()`, `delete()`

Fields

Field Name	Details
`MetricsDataFile`	**Type** base64 **Properties** Filter, Query, Sort **Description** A text file containing the usage data encoded in Base 64.

Field Name	Details
MetricsDataFileContentType	**Type** string **Properties** Filter, Query, Sort **Description** The format of the data file. Currently, the only allowed value is `text/csv`.
MetricsDataFileLength	**Type** int **Properties** Filter, Query, Sort **Description** The size of the data file in bytes.
MetricsRunDate	**Type** dateTime **Properties** Filter, Query, Sort **Description** The date when the usage metrics collection job was run.
MetricsEndDate	**Type** dateTime **Properties** Filter, Query, Sort **Description** The end time and date for the data collection.
MetricsStartDate	**Type** dateTime **Properties** Filter, Query, Sort **Description** The start time and date for the data collection.
MetricsType	**Type** picklist **Properties** Filter, Query, Sort

Field Name	Details
	Description The type of data being collected. The possible values are `CustomObject` and `Visualforce`.
`NamespacePrefix`	**Type** string **Properties** Filter, Query, Sort **Description** The namespace prefix of the package for which data is being collected.
`SendingInstance`	**Type** string **Properties** Filter, Query, Sort **Description** The server instance from which this data was collected, for example, "na8."

Usage

Use this object to access customer usage metrics for a managed package. Each record contains one day's data, on either custom objects or Visualforce pages, for all organizations in a Salesforce instance that have the package installed. The following data is collected each day.

- **Custom objects** — the number of records stored in each custom object.
- **Visualforce pages** — the number of times each Visualforce page was accessed, the number of unique users who accessed it, and the average loading time (in milliseconds).

The custom objects data is a snapshot that reflects the state of the organization at the time the database was sampled, while the Visualforce data covers usage over a 24-hour period.

This feature is intended for API access only. The owner of the package must write a secondary process to retrieve the metrics data from the reporting organization, and export it to another system for analysis.

The usage metrics data for all production organizations in a given instance is merged and written into a text file, in a specified format, once a day. If an instance doesn't have any organizations with the package installed or any organizations that accessed Visualforce pages in the package, a blank record is created for that day, with `MetricsDataFileLength` set to zero.

In a record for custom objects, each row of the text file contains usage data in the following order.

- Organization ID
- Organization name
- Organization edition
- Organization status
- Name of the custom object
- Number of records of the custom object on the specified day

The custom object count is a snapshot captured once each day. Here's a section of a sample data file for custom objects. It shows there were 3500 and 1500 records in the `Alpha` and `Beta` custom objects, respectively, in the specified customer organization on the specified day.

```
"00Dxx0000001gbk","org1","Enterprise Edition","TRIAL","Alpha", "3500"
"00Dxx0000001gbk","org1","Enterprise Edition","TRIAL","Beta", "1500"
```

In a record for Visualforce pages, each row of the text file contains usage data in the following order.

- Organization ID
- Organization name
- Organization edition
- Organization status
- Package version number
- Name of the Visualforce page
- Number of times the page was accessed
- Number of unique users who accessed the page
- Average loading time of the page, in milliseconds

The Visualforce counts for each organization measure the number of times the page was viewed in the duration between the start and end times. Here's a section of a sample data file for Visualforce pages.

```
"00Dxx0000001gbk","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f1","1","1","66.0"
"00Dxx0000001gbk","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f2","1","1","128.0"
"00Dxx0000001gbk","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f3","1","1","107.0"
"00Dxx0000001gbf","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f1","5","1","73.6"
"00Dxx0000001gbf","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f2","1","1","72.0"
"00Dxx0000001gbf","org1","Enterprise Edition","TRIAL","1.0","/apex/gm12__f3","7","1","50.8"
```

MetricShare

Represents a sharing entry on a Metric object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description The user's or group's level of access to the metric. The possible values are: • Read Only • Read/Write • Owner This field must be set to an access level that is higher than the organization's default access level for metrics.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the Metric object that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • `Owner`: User is the owner of the Metric or is in a user role above the Metric owner in the role hierarchy. • `Manual`: User or group has access because a user with "All" access manually shared the Metric with the user or group. • `Rule`: User or group has access via a Metric sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the Metric. This field can't be updated.

MilestoneType

Represents a milestone (required step in a customer support process). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Update **Description** A description of the milestone.
`Name`	**Type** string **Properties** Create, Filter, idLookup, Update **Description** The name of the milestone.
`RecurrenceType`	**Type** picklist **Properties** Create,Update **Description** The type of recurrence for the milestone.

Usage

Use this object to query and manage the milestone type for CaseMilestone records.

SEE ALSO:

CaseMilestone

SlaProcess

MobileSettingsAssignment

Represents the assignment of a particular field service mobile settings configuration to a user profile. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`FieldServiceMobileSettingsId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of a set of field service mobile settings.
`ProfileId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the profile to associate with the set of field service mobile settings.

Name

Non-queryable object that provides information about foreign key traversals when the foreign key has more than one parent.

This object is used to retrieve information from related records where the related record may be from more than one object type (a polymorphic foreign key). For example, the owner of a case can be either a user or a group (queue). This object allows retrieval of the owner name, whether the owner is a user or a group (queue). You can use a describe call to access the information about parents for an object, or you can use the `who`, `what`, or `owner` fields (depending on the object) in SOQL queries. This object cannot be directly accessed.

Supported Calls

`describeSObjects()`

Fields

Field	Details
`Alias`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user alias. This field contains a value only if the related record is a user.
`Email`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** The email address of the user or group (queue).
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The first name of the user, contact, or lead.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the related record is an active user (`true`) or not (`false`). This field contains a value only if the related record is a user.
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The last name of the user, contact, or lead.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update

Field	Details
	Description The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
MiddleName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The middle name of the user, contact, or lead.
Name	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the parent of the object queried. If the parent is a user, contact, or lead, the value is a concatenation of the FirstName, MiddleName, LastName, and Suffix fields of the related record.
Phone	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The phone number of the user. This field contains a value only if the related record is a user.
Profile	**Type** reference **Properties** Filter, Nillable **Description** The Profile of the user. Only populated if the related record is a user.

Field	Details
ProfileId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user’s Profile. Only populated if the related record is a user.
Suffix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name suffix of the user, contact, or lead.
Title	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The title of the user, for example CFO or CEO.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** A list of the types of sObjects that can be an owner of this object. You can use this field to filter on a type of owner, for example, return only the leads owned by a user.
Username	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Contains the name that a user enters to log into the API or the user interface. The value for this field is in the form of an email address, and is only populated if the related record is a user.
UserRole	**Type** picklist **Properties** Filter, Nillable

Field	Details
	Description Name of the `Role` played by the user. Only populated for user rows.
`UserRoleId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user role associated with this object.

Usage

To query on relationships where the parent may be more than one type of object, use `who`, `what`, or `owner` relationship fields.

SEE ALSO:

Object Basics

NamedCredential

Represents a named credential, which specifies the URL of a callout endpoint and its required authentication parameters in one definition. A named credential can be specified as an endpoint to simplify the setup of authenticated callouts. This object is available in API version 33.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AuthProviderId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Salesforce ID of the authentication provider, which defines the service that provides the login process and approves access to the external system. Only users with the "Customize Application" and "Manage AuthProviders" permissions can view this field.

Field Name	Details
	This field is available in API version 39.0 and later.
`CalloutOptionsAllowMergeFieldsInBody`	**Type** boolean **Properties** Filter **Description** For Apex callouts, indicates whether the code can use merge fields to populate HTTP request bodies with org data. This field is available in API version 35.0 and later.
`CalloutOptionsAllowMergeFieldsInHeader`	**Type** boolean **Properties** Filter **Description** For Apex callouts, indicates whether the code can use merge fields to populate HTTP headers with org data. This field is available in API version 35.0 and later.
`CalloutOptionsGenerateAuthorizationHeader`	**Type** boolean **Properties** Filter **Description** Indicates whether Salesforce automatically generates a standard authorization header for each callout to the named credential–defined endpoint. This field is available in API version 35.0 and later.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed

Field Name	Details
	package and the changes are reflected in a subscriber's organization.
Endpoint	**Type** textarea **Properties** Nillable **Description** The root URL of the endpoint.
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the MasterLabel.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The master label for the named credential. This display value is the internal label that doesn't get translated.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation.
PrincipalType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description Tracks users who are accessing the external system. `Anonymous` implies that a user identity isn't specified for external system access. `Named Principal` uses one user identity for all users to access the external system.

Usage

Use the NamedCredential object to query named credentials in your organization.

SEE ALSO:

- ExternalDataUserAuth
- ExternalDataSource

NamespaceRegistry

Represents a namespace that you can link to scratch orgs that were created from your org's Dev Hub. You use the namespace when developing, packaging, and releasing an app. You can't create this object with the API. Use the **Link Namespace** action in the Dev Hub graphical interface to insert a `NamespaceRegistry` record. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The name of this namespace registry entry.
`NamespaceOrg`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The org ID of the Developer Edition org where you've registered the namespace you want to link.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Sort **Description** The namespace prefix that you want to link to the scratch org.

SEE ALSO:

ActiveScratchOrg

ScratchOrgInfo

NavigationLinkSet

Represents the navigation menu in a community. A navigation menu consists of items that users can click to go to other parts of the community. This object is available in API version 35.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Navigation menus are available only in communities created using the Customer Service template.

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming

Field Name	Details
	conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Language for the navigation menu.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** Label for the navigation menu.
`NetworkId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the community.

NavigationMenuItem

Represents a single menu item in a NavigationLinkSet. Use this object to create, delete, or update menu items in your community's navigation menu. This object is available in API version 35.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Navigation menus are available only in communities created using the Lightning community template. To use navigation menus in the Build Your Own template, you must build a custom navigation menu component.

Fields

Field Name	Details
AccessRestriction	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines if the menu item is available to guest users who aren't required to log in to the community.
DefaultListViewId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** If the value of the `Type` field is SalesforceObject, the value is the ID of the default list view for the object.
DraftRowID	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the draft navigation menu item. The ID is unique within your organization.
Label	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The text that appears in the navigation menu for this item.
NavigationLinkSetId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The navigation menu that this item is included in.
Position	**Type** int

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** The location of the menu item in the navigation menu.
`Status`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Represents if the navigation menu item is published or not. The values can only be DRAFT, LIVE, or null. In API versions 42 and earlier, if the Status field is not set, the field defaults to LIVE. When queried and Status is not part of the query filter, only the NavigationMenuItem objects with a status of LIVE return. In API versions 43 and later, if the Status field is not set, the field defaults to DRAFT. When queried and Status is not part of the query filter, all NavigationMenuItem objects return regardless of status.
`Target`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** If `Type` is ExternalLink or InternalLink, the target is the URL that the link points to. For ExternalLink, your entry looks like this: *`http://www.salesforce.com`*. For InternalLink, use a relative URL, such as *`/contactsupport`*.
`TargetPrefs`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** If `Type` is ExternalLink, determines whether a navigation menu item opens in the same tab.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of navigation menu item. The available values are:

Field Name	Details
	• SalesforceObject—Available objects include accounts, cases, contacts, and custom objects. • ExternalLink—Links to a URL outside of your community. For example, *`http://www.salesforce.com`*. • GlobalAction—Enables users to create object records, but the new record has no relationship with other records. • InternalLink—Links to a relative URL inside your community. For example, *`/contactsupport`*. • NavigationalTopic—A dropdown list with links to the navigational topics in your community.

Usage

You can add up to 20 navigation menu items. You can translate navigation menu items using the Translation Workbench.

NavigationMenuItemLocalization

Represents the translated value of a navigation menu item in a community. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Navigation menus are available only in communities created using the Lightning community template. To use navigation menus in the Build Your Own template, you must build a custom navigation menu component.

Fields

Field Name	Details
`Language`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The language of the translated navigation menu item. The picklist contains the following supported languages: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW`

Field Name	Details
	• Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th`
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the navigation menu item that this translated value applies to.
`Value`	**Type** string **Properties** Create, Filter, Sort, Update **Description** The translated text for the navigation menu item. Label is **Translation Text**.

Network

Represents a community, which is a customizable public or private space where employees, end-customers, and partners can collaborate on best practices and business processes. Communities give you the opportunity to share information, records, and files with coworkers and related external stakeholders all in one place. This object is available in API version 26.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
`AllowedExtensions`	**Type** textarea **Properties** Filter, Nillable, Sort, Update **Description** Specifies the types of files allowed in your community. This whitelist of file types lets you control what your community members upload and also prevents spammers from polluting your community with inappropriate files. Available in API version 36.0 and later. Separate file types with a comma (for example: *`jpg,docx,txt`*). You can enter lowercase and uppercase letters. You can enter up to 1,000 characters. To allow all file types, leave this field empty.

Field Name	Details
CaseCommentEmailTemplateId	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** ID of the email template used when submitting a comment on a case. This field is available in API version 28.0 and later.
ChangePasswordEmailTemplateId	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the email template used when notifying a user that their password has been reset.
Description	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Description of the community.
EmailFooterLogoId	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** ID of the Document object that displays as an image in the footer of community Chatter emails.
EmailFooterText	**Type** string **Properties** Filter, Nillable, Sort, Update **Description** Text that displays in the footer of community Chatter emails.
EmailSenderAddress	**Type** email **Properties** Filter, Group, Sort

Field Name	Details
	Description Read only. Email address from which community emails are sent. Note: To change the `EmailSenderAddress` value, you must first specify `NewSenderAddress`, which triggers the sending of an address change verification email. After you complete the address verification process, `EmailSenderAddress` changes to the specified `NewSenderAddress`.
`EmailSenderName`	**Type** string **Properties** Filter, Group, Sort, Update **Description** Name from which community emails are sent.
`FirstActivationDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date the community was first activated. This field is available in API version 34.0 and later. If the community was activated or inactive prior to the release of API version 34.0, this field returns the date the community was first created.
`ForgotPasswordEmailTemplateId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the email template used when a user forgets their password.
`LockoutEmailTemplateId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** ID of the email template used when a user is locked out. This field is available in API version 43.0 and later.
`MaxFileSizeKb`	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort, Update **Description** Specifies the maximum file size (in KBs) that members can upload in your community. Available in API version 36.0 and later. Enter a number between 3072 KB and your org's maximum file size. To use the default limit of 2 GB, leave this field empty.
`Name`	**Type** string **Properties** Filter, Group, Sort, Update **Description** The name of the community.
`NewSenderAddress`	**Type** email **Properties** Filter, Group, Nillable, Sort, Update **Description** Email address that has been entered as the new value for `EmailSenderAddress` but has not been verified yet. After a user has requested to change the sender email address and has successfully responded to the verification email, the `NewSenderAddress` value overwrites the value in `EmailSenderAddress`. This becomes the email address from which community emails are sent. Note: • If verification is pending for a new email address and you set `NewSenderAddress` to null, this cancels the verification request. • `NewSenderAddress` is automatically set to null after `EmailSenderAddress` has been set to the new verified address. • If verification is pending for a new email address and you specify a different new address for this field, only the latest value is retained and used for verification.
`OptionsAllowInternalUserLogin`	**Type** boolean **Properties** Filter, Update **Description** Specifies whether internal users can log in with their internal credentials on the community login page. This field is available in API version 37.0 and later.

Field Name	Details
OptionsAllowMembersToFlag	**Type** boolean **Properties** Filter, Update **Description** Determines whether users can flag posts, comments, or files as inappropriate in the community. This field is available in API version 29.0 and later. The ability to flag files is available in version 30.0 and later.
OptionsEnableTalkingAboutStats	**Type** boolean **Properties** Filter, Update **Description** Determines whether community users see how many people are discussing a topic. The number of people discussing the topic appears as the user types the topic and the system gives topic suggestions. This field is available in API version 41.0 and later. The ability to flag files is available in version 30.0 and later.
OptionsGuestChatterEnabled	**Type** boolean **Properties** Filter, Update **Description** Specifies whether guest users can access public Chatter groups in the community without logging in.
OptionsInvitationsEnabled	**Type** boolean **Properties** Filter, Update **Description** Determines whether users can invite others to the community.
OptionsKnowledgeableEnabled	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description Determines whether users can see knowledgeable people for topics and endorse people for topics.
`OptionsNicknameDisplayEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether user nicknames display instead of their first and last names in most places in the community. A few restrictions to keep in mind about nickname display: • Private messages display full names. You can choose to turn off private messages to avoid this display. • Records and user lookups on records show full names. Keep in mind, though, that you can control record and user visibility with sharing rules. • Mobile notifications in the Salesforce app show full names. You can turn off mobile notifications in the app to avoid this display. • Searches by first, last, and full names aren't restricted and return matches, but the search results display only nicknames. Global search auto-complete recommendations show any first, last, and full names that the user has searched by or accessed via a record or another location. The recent items list also shows first, last, and full under the same conditions.
`OptionsPrivateMessagesEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether users can send and receive Chatter messages in the community.
`OptionsRecognitionBadgingEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether Recognition Badges is enabled for the community.
`OptionsReputationEnabled`	**Type** boolean

Field Name	Details
	Properties Filter, Update **Description** Determines if reputation is calculated and displayed for community members. This field is available in API version 31.0 and later.
`OptionsSelfRegistrationEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether external users can self-register to join the community. External users are users with Community, Customer Portal, or partner portal licenses. If `true`, displays a **Not a member?** link on the login page that points to the default self-registration page. This field is available in API version 28.0 and later.
`OptionsSendWelcomeEmail`	**Type** boolean **Properties** Filter, Update **Description** Determines whether a welcome email is sent when a new user is added to the community.
`OptionsShowAllNetworkSettings`	**Type** boolean **Properties** Filter, Update **Description** Determines whether settings in Community Management that were hidden based on how you set up your community are visible or remain hidden. This field is available in API version 33.0 and later.
`OptionsSiteAsContainerEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether the community uses Site.com pages instead of Visualforce tabs. This field is available in API version 29.0 and later.

Field Name	Details
`OptionsTopicSuggestionsEnabled`	**Type** boolean **Properties** Filter, Update **Description** Enables topic suggestions when users write posts. This field is available in API version 41.0 and later. The ability to flag files is available in version 30.0 and later.
`OptionsUpDownVoteEnabled`	**Type** boolean **Properties** Filter, Update **Description** Determines whether up and down voting is enabled for the community. This field is available in API version 41.0 and later.
`SelfRegProfileId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** ID of the profile assigned to users who self register. Only applies if self registration is enabled for the community. This field is available in API version 29.0 and later.
`Status`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Status of the community. Available values are: • `Live`—The community is online and members can access it. Label is `Published`. • `DownForMaintenance`—The community was previously published, but was taken offline. Members with “Create and Set Up Communities” can still access the setup for offline communities regardless of profile or membership. Members are not able to access offline communities, but they still appear in the user interface drop-down as `CommunityName (Offline)`. Label is `Offline`.

Field Name	Details
	• `UnderConstruction`—The community has not yet been published. Users with "Create and Set Up Communities" can access communities in this status if their profile is associated with the community. Once a community is published, it can never be in this status again. Label is `Preview`.
`UrlPathPrefix`	**Type** string **Properties** Filter, Group, Sort, Update **Description** The `UrlPathPrefix` is a unique string at the end of the URL for this community. For example, in the community URL `UniversalTelco.force.com/customers`, `customers` is the `UrlPathPrefix`.
`WelcomeEmailTemplateId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the email template used when sending welcome emails to new community members.

Usage

Use this object to find, view, and update communities in your organization. If you have "Modify All Data," "View All Data," or "Create and Set Up Communities," you can view all communities in the organization. Users without these permissions only see the `Preview` or `Published` communities that they're members of. If you have "Create and Set Up Communities," you can customize community settings.

NetworkActivityAudit

Represents an audit trail of moderation actions in Communities. This object is available in API version 30.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
Action	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The moderation action a member performed on a post, comment, or file in a community. Values are: • Flagged as Inappropriate—A community member flagged a post, comment, or file as inappropriate. • Flagged as Spam - A community member flagged a post, comment, or file as spam. • Unflagged—A community member removed the flag from a post, comment, or file. • RemovedFlags—A moderator removed all flags from a post, comment, or file. • DeletedFlaggedItem—A moderator deleted a flagged post, comment, message, or file. • DeletedPendingReviewItem—A moderator deleted a post or comment with pending status. • ModerationRuleFlag—A moderation rule flagged member-generated content. • ModerationRuleBlock—A moderation rule blocked member-generated content. • ModerationRuleReplace—A moderation rule replaced member-generated content. • ModerationRuleReview—A moderation rule sent member-generated content to be reviewed and approved by a moderator. • ModerationRuleFreeze—A moderation rule froze a member because they created content too frequently within a specific time frame. • ModerationRuleNotify—A moderation rule notified moderators because a member created content too frequently within a specific time frame.
Description	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Notes entered by the user.

Field Name	Details
	If the entity being tracked is a file, records the version number of the file when it was flagged.
`EntityCreatedById`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the user that created the entity being tracked.
`EntityId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the entity that is being tracked. The following entities are tracked: ChatterMessage, ContentDocument, ContentVersion, FeedComment, and FeedItem.
`EntityType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The key prefix of the entity being tracked.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the item being tracked.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the network (community) where the moderation action was performed.
`ParentEntityId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** ID of the parent of the entity on which an action was performed. The following entities are tracked: CollaborationGroup, DirectMessage, and User.
`ParentEntityType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The key prefix of the parent of the entity being audited.

Usage

Use this object to view an audit trail of moderation activity for your communities. You must have the "Modify All Data" permission to access this object.

Users with "Moderate Communities Feeds", "Moderate Communities Files" or "View All Data" can view the audit trail using reports in the Salesforce user interface.

NetworkAffinity

Represents a junction object that associates a user profile with a Network object, that is, with a community. Use NetworkAffinity to assign a default community to a user profile. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

To work with the NetworkAffinity object, you must have View Setup or Customize Application permission.

Fields

Field Name	Details
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the default community associated with a user profile.
`ProfileId`	**Type** reference **Properties** CreateFilter, Group, Sort, Update **Description** ID of the user profile the default community is assigned to.

Usage

Use the NetworkAffinity object to assign a default community to a user profile. The default community enables you to stamp network-agnostic email notifications to all users with that profile with the selected community's branding. The default community also becomes the target destination for email notification links. Network-agnostic email notifications include notifications about records, like cases, accounts, and opportunities.

The `NetworkId` field is not updatable through the API in Workbench, Apex, or SOAP. If you want to change the value for `NetworkId`, you must delete the record and create one with the right value.

NetworkMember

Represents a member of a community. Members can be either users in your company or external users with portal profiles. This object is available in API version 26.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
`DefaultGroupNotificationFrequency`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Required. The default frequency for sending the member's group email notifications when the member joins groups in the community. The valid values are: • `P`—Email on every post • `D`—Daily digests • `W`—Weekly digests • `N`—Never The default value is `W`. In communities, the `Email on every post` option is disabled once more than 10,000 members choose this setting for the group. All members who had this option selected are automatically switched to `Daily digests`. However, this field is not currently enabled. These values are reserved for future use.
`DigestFrequency`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. The frequency for sending the member's personal email digest for the community. The valid values are: • `D`—Daily • `W`—Weekly • `N`—Never The default value is `D`. However, daily and weekly personal digests aren't currently available in communities. These values are reserved for future use.
`LastChatterActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The last time the member posted or commented in the community.
`MemberId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of a person who is a member of a community.

Field Name	Details
NetworkId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the community that the member is part of.
PreferencesDisableAllFeedsEmail	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member can automatically receive email for updates in the community, based on the types of feed emails and digests the member has enabled.
PreferencesDisableBookmarkEmail	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone comments on a feed item after the member has bookmarked it.
PreferencesDisableChangeCommentEmail	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone comments on a change the member has made, such as an update to their profile.
PreferencesDisableDirectMessageEmail	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone sends them a direct message in the community.

Field Name	Details
`PreferencesDisableEndorsementEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone endorses them for a topic.
`PreferencesDisableFollowersEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone in the community starts following the member.
`DisableItemFlaggedEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the user automatically receives email every time a community member flags a post or comment. This setting only applies for community moderators (with the “Moderate Communities Feeds” permission) and group owners or managers. This field is available in API version 29.0 and later.
`PreferencesDisableLaterCommentEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone comments on a feed item after the member has commented on the feed item.
`PreferencesDisableLikeEmail`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description When `false`, the member automatically receives email every time someone comments on a feed item after the member has liked the feed item.
`PreferencesDisableMarketingCloudEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives marketing emails sent by Journey Builder. Available in API version 41.0 and later.
`PreferencesDisableMentionsPostEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time the member is mentioned in posts.
`PreferencesDisableMessageEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time the member is sent a Chatter message.
`PreferencesDisableProfilePostEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone posts to the member’s profile.
`PreferencesDisableSharePostEmail`	**Type** boolean **Properties** Filter, Update

Field Name	Details
	Description When `false`, the member automatically receives email every time the member's post is shared.
`PreferencesDisCommentAfterLikeEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone comments on a post the member has liked.
`PreferencesDisMentionsCommentEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time the member is mentioned in comments.
`PreferencesDisProfPostCommentEmail`	**Type** boolean **Properties** Filter, Update **Description** When `false`, the member automatically receives email every time someone comments on posts on the member's profile.
`ReputationPoints`	**Type** double **Properties** Filter, Sort, Update **Description** The number of reputation points the user has accumulated by performing actions in the community.

Usage

Use this object to query members of a certain community and to update their email notification settings. If you have "Modify All Data," "View All Data," or "Create and Set Up Communities," you can view all members of any community, regardless of your own membership. If you have "Modify All Data" or "Create and Set Up Communities," you can also update any member's email settings. Users without these permissions can update their own email settings and can see members of the communities that they're also members of.

Tip: You can directly update reputation points for a community member via the Salesforce API. You can also use Apex triggers to send custom notifications based on changes to reputation points.

NetworkMemberGroup

Represents a group of members in a community. Members can be either users in your internal organization or external users assigned portal profiles. An administrator adds members to a community by adding a profile or a permission set, and any user with the profile or permission set becomes a member of the community. This object is available in API version 26.0 and later.

Note: If a Chatter customer (from a customer group) is assigned a permission set that is also associated with a community, the Chatter customer won't be added to the community.

Prior to API version 27.0, this object was called NetworkProfile.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Note: The `upsert()` call is not supported for this object.

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
`AssignmentStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The status of a profile or permission set within a community. Values are: • `Added`—Users with this profile or permission set are members of the community. • `Waiting for Add`—The profile or permission set was added to the community, but the async process hasn't completed yet. After the process is complete, the status is updated to `Added`. • `Waiting for Remove`—Use this status to remove all the community members belonging to a profile or permission set and remove a profile or permission set from a community.
`NetworkId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the community that this group of members is associated with.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the profile or permission set associated with the community.

Usage

Use this object to view the profiles or permission sets associated with a particular community. Profiles and permission sets are added and removed asynchronously, so you can also check the status of a profile or permission set that was updated in a community.

If you have "Modify All Data," "View All Data," or "Create and Set Up Communities," you can view all profiles or permission sets for any community in the organization, regardless of your membership. If you have "Modify All Data" or "Create and Set Up Communities," you can also add profiles or permission sets. Users without these permissions can only find profiles and permission sets for communities that they're members of.

Sample Code

```
// Create a new NetworkMemberGroup with a profile as the ParentId
NetworkMemberGroup nmgInsert = new NetworkMemberGroup();
nmg.setNetworkId("0DBD0000000029o");
nmg.setParentId("00eD0000000z1Ww");
SaveResult[] results = connection.create(new SObject[] { nmgInsert });

// Update an existing NetworkMemberGroup to be removed from the Network
NetworkMemberGroup nmgUpdate = new NetworkMemberGroup();
nmg.setId("0DLD000000003enOAA");
nmg.setAssignmentStatus("WaitingForRemove");
SaveResult[] results = connection.update(new SObject[] { nmgUpdate });
```

NetworkModeration

Represents a flag on an item in a community. This object is available in API version 30.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization.

Fields

Field Name	Details
EntityId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the post, comment, or file that was flagged.
ModerationType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort **Description** Determines the type of flag applied to an item. Values are: • FlagAsInappropriate • FlagAsSpam
NetworkId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the community in which the item was flagged.
Visibility	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Nillable, Sort **Description** Determines visibility of a flagged item. Values are: • SelfAndModerators—The user who flagged the item and any moderators can see the flagged item. This is the default value. • ModeratorsOnly—Only moderators can see the flagged item. If ModeratorsOnly is selected, only moderators can set flags using the API.

Usage

Use this object to view the items flagged for moderation within a community. Additionally, users with “Moderate Feeds” and “Modify All Data” can remove flags.

Flags on items are created either when a member manually flags an item in a community (if flagging is enabled for that community), or when a trigger automatically flags an item because the item met the trigger criteria.

NetworkPageOverride

Represents information about custom pages used to override the default pages in communities. You can create Community Builder (Site.com Studio) or Visualforce pages and override the default pages in a community. Using custom pages allows you to create a more personalized experience for your users. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Only users with the “Create and Setup Networks” permission can update this object.
- You can’t override the Change Password Page with a page created using Community Builder (Site.com Studio). You can only override it with a Visualforce page.

Fields

Field Name	Details
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the community where a custom page is used to override a default page.
`OverrideSetting`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of the page used to override a default page in the community. `OverrideSetting` can take the following values: • `Standard`—The standard page that comes by default with the community. • `Designer`—A custom page created using Community Builder (Site.com Studio).

Field Name	Details
	• `Visualforce`—A custom page created using Visualforce.
`OverrideType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The name of the default page in the community that you want to override with a custom page.`OverrideType` can take the following values: • `LoginRequired` • `ChangePassword` • `ForgotPassword` • `SelfReg` • `Home`

NetworkSelfRegistration

Represents the account that self-registering community members are associated with by default. Self-registering users in a community are required to be associated with an account, which the administrator must specify while setting up self-registration for the community. If an account isn't specified, Salesforce creates person accounts (when enabled) for self-registering users. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the account that self-registering users in the community are associated with.
`NetworkId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** The ID of the community. Note: You can use only one account per community to assign self-registering users.

NetworkUserHistoryRecent

Represents a community user's history of accessed records. This object is available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`,`query()`, `undelete()`

Special Access Rules

Only users with the "Modify All Data" permission can view and delete these data.

Fields

Field	Details
`AccessTimestamp`	**Type** datetime **Properties** Create, Filter, Sort **Description** The time at which the record was accessed.
`ActionType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates the action type taken by the user. The possible values are: • Read • Write

Field	Details
DomainName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The domain used to access the record.
FeedCommentId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Feed comment accessed by the user.
FeedItemId	**Type** reference **Properties** Create, Filter, Group,Sort, Update **Description** Feed item accessed by the user.
NetworkId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Network ID used to access the record or comment.
NetworkUserId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** User’s network user ID to access the record or comment.
RecordId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The record that was accessed.

Field	Details
RecordKeyPrefix	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Record's ID key prefix.
Url	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The URL from which the user accessed the record.
UserType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of user who accessed this record. The possible values include: • Standard • Partner • Customer Portal Manager • Customer Portal User • Guest • High Volume Portal • CSN Only • Self Service

Usage

Use the NetworkUserHistoryRecent object to delete comments, posts, or record access by communities users who would like all such activity to be removed.

NewsFeed

Represents a single feed item on a user's home tab. A Chatter feed shows recent changes to records that the user is following.

NewsFeed is available in API version 18.0 through API version 26.0. In API version 27.0 and later, NewsFeed is no longer available in the SOAP API. Use the Chatter REST API to access NewsFeed.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of NewsFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection makes a change to a record that is tracked, the `CreatedBy` field contains the ID of the system administrator while the `ConnectionId` contains the ID of the PartnerNetworkConnection that made the change. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64

Field	Details
	Properties Nillable **Description** Available in API version 36.0 and earlier only.Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only.The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only.This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime

Field	Details
	Properties Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the

Field	Details
	CreatedDate for that FeedComment. Deleting the FeedComment does not change the LastModifiedDate. Ordering by LastModifiedDate DESC sorts the feed by both the most recent feed item or comment.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. NetworkScope can have the following values: • NetworkId—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • AllNetworks—The feed item is available in all communities. Note the following exceptions for NetworkScope: • Only feed items with a Group or User parent can set a NetworkId or a null value for NetworkScope. • For feed items with a record parent, users can set NetworkScope only to AllNetworks. • You can't filter a FeedItem on the NetworkScope field.
ParentId	**Type** reference

Field	Details
	Properties Filter, Group, Sort **Description** ID of the newsfeed record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed.

Field	Details
	• `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. This event is also generated by CTI calls. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, you must specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values:

Field	Details
	• `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to query and retrieve record changes tracked in a news feed. Note the following when working with news feeds:

- This object is read only in the API.
- Users can only query their own news feed.
- Queries retrieve feed items that include mentions from other users.
- Use this object to query and retrieve lead feed items that were associated with a converted lead record.

Users that do not have the "View All Data" permission have the following limitations when querying records:

- Must specify a `LIMIT` clause and the limit must be less than or equal to 1000.
- May include a `WHERE` clause that references NewsFeed fields, but may not include references to fields in related objects. For example, you can filter by `CreatedDate` or `ParentId`, but not by `Parent.Name`.
- May include an `ORDER BY` clause that references NewsFeed fields, but may not include references to fields in related objects. For example, you can `ORDER BY CreatedDate` or `ParentId`, but not by `Parent.Name`.

Tip: To query for the most recent feed items, you should `ORDER BY CreatedDate DESC, Id DESC`.

Note the following SOQL restrictions.

- No SOQL limit if logged-in user has "View All Data" permission. If not, specify a LIMIT clause of 1,000 records or fewer.
- SOQL ORDER BY on fields using relationships is not available. Use ORDER BY on fields on the root object in the SOQL query.

SEE ALSO:

EntitySubscription

FeedComment

FeedTrackedChange

Note

Represents a note, which is text associated with a custom object or a standard object, such as a Contact, Contract, or Opportunity.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Create, Nillable, Update **Description** Body of the note. Limited to 32 KB.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPrivate`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, only the note owner or a user with the “Modify All Data” permission can view the note or query it via the API. Note that if a user who does not have the “Modify All Data” permission sets this field to `true` on a note that they do not own, then they can no longer query, delete, or update the note. Label is **Private**.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the user who owns the note.
`ParentId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort **Description** Required. ID of the object associated with the note.
`Title`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Title of the note.

Usage

Use this object to manage notes for an object.

SEE ALSO:

Object Basics

OauthToken

Represents an OAuth access token for connected app authentication and can be used to create a user interface for token management. This object is available in API version 32.0 and later.

A connected app integrates an application with Salesforce using APIs. Connected apps use standard SAML and OAuth protocols to authenticate, provide single sign-on, and provide tokens for use with Salesforce APIs. In addition to standard OAuth capabilities, connected apps allow Salesforce admins to set various security policies and have explicit control over who can use the corresponding apps. Each time that a user grants access to an application, the application obtains a new access token.

Supported Calls

`describeSObjects()`, `query()`

Special Access Rules

If you are a user with the "Manage Users" permission, you see all tokens for all users in the organization. Otherwise, you see only your own tokens.

Fields

Field Name	Details
AccessToken	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The refresh token for authorization.
AppMenuItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The unique ID for the App Picker menu item that's associated with this OAuth token.
AppName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The label for the connected app that's associated with this OAuth token.
DeleteToken	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A token that can be used at the revoke OAuth token endpoint to remove this token.
Id	**Type** ID **Properties** Defaulted on create, Filter, Group, idLookup, Sort **Description** Reserved for future use. Currently, the value is always `null`.

Field Name	Details
`LastUsedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The most recent date when the OAuth token was used.
`RequestToken`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The authorization code that was used to request the corresponding AccessToken. With this authorization code, you can revoke the corresponding AccesToken by passsing the DeleteToken.
`UseCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** How often the token has been used.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The owner of the token.

Usage

To delete an AccessToken, send a request to the revoke OAuth token endpoint with the DeleteToken as the parameter. For example, this URL `https://login.salesforce.com/services/oauth2/revoke?token=(the Delete Token)` causes the deletion of the token.

In API version 34.0 and later, this object was enhanced to help manage high instance counts. A `query()` call returns up to 500 rows. A `queryMore()` call returns 500 more, up to 2500 total. No more records are returned after 2500. To make sure you don’t miss any records, issue a `COUNT()` query in a SELECT clause for OauthToken. This gives you the total number of records. If there are more than 2500 records, divide your query by filtering on fields, like `UserId`, to return subsets of less than 2500 records.

NoteAndAttachment

This read-only object contains all notes and attachments associated with an object.

Supported Calls

`describeSObjects()`

Fields

Field	Details
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsNote`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the object contains a note (`true`) or an attachment (`false`).
`IsPrivate`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, only the note owner or a user with the “Modify All Data” permission can view the note or query it via the API. Note that if a regular user who does not have “Modify All Data” permission sets this field to `true` on a note that they do not own, then they can no longer query, delete, or update that note. Label is **Private**.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who owns the note and attachment.

Field	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the parent object.
`Title`	**Type** string **Properties** Filter, Nillable, Group, Sort **Description** Title of the note.

Usage

Use this object to list all notes and attachments for an object.

To retrieve notes and attachments, issue a describe call on an object, which returns a query result for each activity since the record was created. You can't directly query this object.

SEE ALSO:

Note

Attachment

NoteTag

Associates a word or short phrase with a Note.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter

Field Name	Details
	Description ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

NoteTag stores the relationship between its parent TagDefinition and the Note being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

ObjectPermissions

Represents the enabled object permissions for the parent PermissionSet. This object is available in API version 24.0 and later.

To grant a user access to an object, associate an ObjectPermissions record with a PermissionSet that's assigned to a user. ObjectPermissions records are only supported in PermissionSet, not in Profile.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The `Id` of this object's parent PermissionSet.
`PermissionsCreate`	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can create records for this object. Requires `PermissionsRead` for the same object to be `true`.
`PermissionsDelete`	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can delete records for this object. Requires `PermissionsRead` and `PermissionsEdit` for the same object to be `true`.
`PermissionsEdit`	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can edit records for this object. Requires `PermissionsRead` for the same object to be `true`.

Field Name	Details
PermissionsModifyAllRecords	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can edit all records for this object, regardless of sharing settings. Requires `PermissionsRead`, `PermissionsDelete`, `PermissionsEdit`, and `PermissionsViewAllRecords` for the same object to be `true`.
PermissionsRead	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can view records for this object.
PermissionsViewAllRecords	**Type** boolean **Properties** Create, Filter, Update **Description** If `true`, users assigned to the parent PermissionSet can view all records for this object, regardless of sharing settings. Requires `PermissionsRead` for the same object to be `true`.
SobjectType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The object's API name. For example, `Merchandise__c`.

Permission Dependencies

Some user permissions have dependencies on object permissions. For example, if a permission set has the "Transfer Leads" permission, it also has "Read" and "Create" on the leads object.

You can query from ObjectPermissions up to the parent PermissionSet object. For example:

```
SELECT Parent.Name, Parent.PermissionsTransferAnyLead, PermissionsRead, PermissionsCreate
FROM ObjectPermissions
WHERE SobjectType = 'Lead'
```

Determining Object Access with “Modify All Data”

When using SOQL to query object permissions, be aware that some object permissions are enabled because a user permission requires them.

The exception to this rule is when “Modify All Data” is enabled. While it enables all object permissions, it doesn’t physically store any object permission records in the database. As a result, unlike object permissions that are required by a user permission—such as “View All Data” or “Import Leads”—the query still returns permission sets with “Modify All Data,” but the object permission record will contain an invalid ID that begins with “000”. This ID indicates that the object has full access due to “Modify All Data” and the object permission record can’t be updated or deleted. To remove full access from these objects, disable “Modify All Data” and then delete the resulting object permission record. This ensures that when using SOQL to find all the objects that have full access, it returns all objects that have this access regardless of whether it’s due to “Modify All Data” or because an administrator set full access.

For example, the following will return all permission sets that have “Read” on the Merchandise__c object, regardless of whether it’s explicitly defined on the object or implicitly defined through “Modify All Data.”

```
SELECT Id, Parent.label, SobjectType, PermissionsRead,
   Parent.PermissionsModifyAllData, ParentId
FROM ObjectPermissions
WHERE PermissionsRead = true and SobjectType = 'Merchandise__c'
```

Nesting Object Permissions

You can nest ObjectPermissions in a PermissionSet query. For example, the following returns any permission sets where “Transfer Leads” is true. Additionally, the result set will include the “Read” object permission on leads. This is done by nesting the SOQL with an object permission query using the relationship name for object permissions: `ObjectPerms`.

```
SELECT Id,Name,PermissionsTransferAnyLead,
(SELECT Id, PermissionsRead from ObjectPerms where SobjectType='Lead')
FROM PermissionSet
WHERE PermissionsTransferAnyLead = true
```

As a result, it’s possible to traverse the relationship between the PermissionSet and any child related objects (in this case, ObjectPermissions). You can do this from the PermissionSet object by using the child relationship (`ObjectPerms`, `FieldPerms`, and so on) or from the child object by referencing the PermissionSet with `Parent.`***`permission_set_attribute`***.

It’s important to consider when to use a conditional `WHERE` statement to restrict the result set. To query based on an attribute on the permission set object, nest the SOQL with the child relationship. However, to query based on an attribute on the child object, you must reference the permission set parent attribute in your query.

The following two queries return the same columns with different results, based on whether you use the child relationship or parent notation.

```
SELECT Id, Name, PermissionsModifyAllData,
(SELECT Id, SobjectType, PermissionsRead from Objectperms)
FROM PermissionSet
WHERE PermissionsModifyAllData=true
```

versus:

```
SELECT Id, SObjectType, PermissionsRead, Parent.Id, Parent.Name,
Parent.PermissionsModifyAllData
FROM ObjectPermissions
WHERE SObjectType='Merchandise__c'
```

SEE ALSO:

PermissionSet

FieldPermissions

ObjectTerritory2AssignmentRule

Represents a territory assignment rule that's associated with an object, such as Account. ObjectTerritory2AssignmentRuleItem can only be created or deleted if the BooleanFilter field on its corresponding ObjectTerritory2AssignmentRule is `null`. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories, assignment rules, assigned records, and assigned users. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`BooleanFilter`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Represents advanced filter conditions that were specified for the rule in the online application. For example, "(1 AND 2) OR 3."
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters and must be unique in your

Field Name	Details
	organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. The field label in the user interface is `Unique Name`. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the rule is active (true) or inactive (false). Via the API, active rules run automatically when object records are created and edited. The exception is when the value of the IsExcludedFromRealign field on an object record is `true`, which prevents record assignment rules from evaluating that record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the master label in the user interface.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The user interface label for the territory type.
`ObjectType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The object that the rule is defined for. For API version 31, Account only.
`Territory2ModelId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the territory model.

ObjectTerritory2AssignmentRuleItem

A single row of selection criteria for an ObjectTerritory2AssignmentRule object. ObjectTerritory2AssignmentRuleItem can only be created or deleted if the `BooleanFilter` field on its corresponding ObjectTerritory2AssignmentRule object is a `null` value. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your organization's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The standard or custom object field that the rule item will operate on.
`Operation`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The criterion to apply for the rule item. For example: *`equals`* or *`starts with`*.
`RuleId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the associated ObjectTerritory2AssignmentRule.
SortOrder	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The order in which this row is evaluated in relation to other ObjectTerritoryAssignmentRuleItem objects for the given ObjectTerritoryAssignmentRule.
Value	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The field value or values to evaluate. For example: if the field is `Billing ZIP/Postal Code`, a value might be `94105.`.

ObjectTerritory2Association

Represents an association (by assignment) between a territory and an object record, such as an account. Available only if Enterprise Territory Management has been enabled for your Salesforce org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your org's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`AssociationCause`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The means by which the record was associated with the territory: by rules or manually. User interface field label is `Method`. Manual cause can be set only by a user or via the API. Rules cause is used by the rules engine when the object is assigned.
`ObjectId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the object. For API version 30.0 and later, Account only.
`SobjectType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of the record. For API version 30.0 and later, Account only.
`Territory2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the territory that the record is assigned to.

OpenActivity

This read-only object is displayed in a related list of open activities—future events and open tasks—related to an object. It includes activities for all contacts related to the object. OpenActivity fields for phone calls are only available if your organization uses Salesforce CRM Call Center.

Supported Calls

`describeSObjects()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the related account, which is determined as follows: • The account associated with the `WhatId`, if it exists; or • The account associated with the `WhoId`, if it exists; otherwise • `null` For information on IDs, see ID Field Type.
`ActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Indicates one of the following: • The due date of a task • The date of an event if `IsAllDayEvent` is set to `true` This field has a time stamp that is always set to midnight in the Universal Time Coordinated (UTC) time zone. The time stamp doesn't represent the time of the activity; don't attempt to alter it to accommodate time zone differences. Label is `Date`.
`ActivitySubtype`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Provides standard subtypes to facilitate creating and searching for specific activity subtypes. This field isn't updateable. `ActivitySubtype` values: • Task • Email • Call

Field	Details
	• Event • List Email
`ActivityType`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Represents one of the following values: `Call`, `Meeting`, or `Other`. Label is `Type`.
`AlternateDetailId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of a record the activity is related to which contains more details about the activity. For example, an activity can be related to an EmailMessage record.
`CallDisposition`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the result of a given call, for example, “we'll call back,” or “call unsuccessful.” Limit is 255 characters.
`CallDurationInSeconds`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Duration of the call in seconds.
`CallObject`	**Type** string **Properties** Filter, Group,Nillable, Sort **Description** Name of a call center. Limit is 255 characters.

Field	Details
CallType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of call being answered: Inbound, Internal, or Outbound.
ConnectionReceivedId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the PartnerNetworkConnection that shared this record with your organization. This field is available only if your organization has enabled Salesforce to Salesforce and only in API versions 28.0 and later.
ConnectionSentId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the PartnerNetworkConnection that your organization shared this record with. This field is available only if your organization has enabled Salesforce to Salesforce, and only in API versions 28.0 and later. The value is always `null`. You can use the PartnerNetworkRecordConnection object to forward records to connections.
Description	**Type** textarea **Properties** Nillable **Description** Contains a description of the event or task. Limit is 32 KB.
DurationInMinutes	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Indicates the duration of the event or task.
EndDateTime	**Type** dateTime

Field	Details
	Properties Filter, Nillable, Sort **Description** Indicates the end date and time of the event or task. Available in versions 27.0 and later. This field is optional, depending on the following: • If `IsAllDayEvent` is true, you can supply a value for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time. If both fields are `null`, the duration defaults to one day. • If `IsAllDayEvent` is false, a value must be supplied for either `DurationInMinutes` or `EndDateTime`. Supplying values in both fields is allowed if the values add up to the same amount of time.
`IsAllDayEvent`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If the value of this field is set to `true`, then the activity is an event spanning a full day, and the `ActivityDate` defines the date of the event. If the value of this field is set to `false`, then the activity may be an event spanning less than a full day, or it may be a task. Label is `All-Day Event`.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a task is closed; value is always `false`). This field is set indirectly by setting `Status` on the task—each picklist value has a corresponding `IsClosed` value. Label is `Closed`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the activity has been moved to the Recycle Bin (`true`) or not (`false`). Label is `Deleted`.
`IsHighPriority`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates a high-priority task. This field is derived from the `Priority` field.
`IsReminderSet`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a reminder is set for an activity (`true`) or not (`false`).
`IsTask`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If the value of this field is set to `true`, then the activity is a task; if the value is set to `false`, then the activity is an event. Label is `Task`.
`IsVisibleInSelfService`	**Type** boolean **Properties** Defaulted on create, Filter **Description** If the value of this field is set to `true`, then the activity can be viewed in the self-service portal. Label is `Visible in Self-Service`.
`Location`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If the activity is an event, then this field represents the location of the event. If the activity is a task, then the value is `null`.
`OwnerId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the user who owns the activity.

Field	Details
`PrimaryAccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Contains the `AccountId` value from the activity record. Available in API versions 30.0 and later to organizations that use Shared Activities.
`PrimaryWhoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Contains the `WhoId` value from the activity record. Available in API versions 30.0 and later to organizations that have enabled Shared Activities.
`Priority`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the priority of a task, such as high, normal, or low.
`ReminderDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Represents the time at which a reminder is scheduled to fire if `IsReminderSet` is set to `true`. If `IsReminderSet` is set to `false`, then either the user has deselected the reminder checkbox in the user interface or the reminder has already fired at the time indicated by the value.
`Status`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Indicates the current status of a task, such as in progress or complete. Each predefined status field sets a value for `IsClosed`. To obtain picklist values, query TaskStatus.

Field	Details
`Subject`	**Type** combobox **Properties** Filter, Nillable, Sort **Description** Contains the subject of the task or event.
`WhatId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The `WhatId` represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. `WhatId`s are polymorphic. Polymorphic means a `WhatId` is equivalent to the ID of a related object. The label is `Related To ID`.
`WhoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is `Name ID`. If Shared Activities is enabled, the value of this field is the ID of the related lead or primary contact. If you add, update, or remove the WhoId field, you might encounter problems with triggers, workflows, and data validation rules that are associated with the record. The label is `Name ID`.

Usage

Query activities that are related to an object

1. Optionally, issue a describe call against the object whose activities you want to query, to get a suggestion of the correct SOQL query to use.
2. Issue a SOQL relationship query with a main clause that references the object and an inner clause that references the activity history. For example:

```
SELECT
    (SELECT ActivityDate, Description
     FROM OpenActivities)
FROM Account
WHERE Name Like 'XYZ%'
```

The user interface enforces sharing rules, filtering out related-list items that a user doesn't have permission to see.

The following constraints on users who don't have the "View All Data" permission help prevent performance issues.

- In the main clause of the relationship query, you can reference only one record. For example, you can't filter on all records where the account name starts with "A." Instead, you must reference a single account record.

```
SELECT
   (SELECT ActivityDate, Description
    FROM OpenActivities
    ORDER BY ActivityDate ASC NULLS LAST, LastModifiedDate DESC
    LIMIT 500)
FROM Account
WHERE Name = 'Acme'
LIMIT 1
```

- In the inner clause of the query, you can't use `WHERE`.
- In the inner clause of the query, you must specify a limit of 500 or fewer on the number of rows that are returned in the list.
- In the inner clause of the query, you must sort on `ActivityDate` in ascending order and `LastModifiedDate` in descending order. You can optionally display nulls last. For example: `ORDER BY ActivityDate ASC NULLS LAST, LastModifiedDate DESC`.

SEE ALSO:

Task

OperatingHours

Represents the hours in which a service territory, service resource, or account is available for field service work. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update

Field Name	Details
	Description The description of the operating hours. Add any details that aren't included in the name.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the operating hours record was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the operating hours record was last viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the operating hours. For example, *`Summer Hours`*, *`Winter Hours`*, or *`Peak Season Hours`*.
`TimeZone`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The time zone which the operating hours fall within.

Usage

By default, only System Administrators can view, create, and assign operating hours.

Service territory members—which are service resources who can work in the territory—automatically use their service territory's operating hours. If a resource needs different operating hours than their territory, create separate operating hours for them from the Operating Hours tab. Then, select the desired hours in the `Operating Hours` lookup field on the service territory member detail page.

To view a service resource's operating hours for a particular territory, navigate to their Service Territories related list and click the Member Number for the territory. This takes you to the service territory member detail page, which lists the member's operating hours and dates during which they belong to the territory.

OperatingHoursFeed

Represents a single feed item on an operating hours record detail page. This object is available in API version 38.0 and later.

An operating hours feed shows changes to tracked fields on an operating hours record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to operating hours in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the operating hours record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

OperatingHoursHistory

Represents the history of changes made to tracked fields on an operating hours record. This object is available in API version 38.0 and later.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and field tracking for operating hours fields must be configured.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description The name of the field that was changed.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
TimeSlotId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the operating hours record being tracked. The history is displayed on the detail page for this record.

Opportunity

Represents an opportunity, which is a sale or pending deal.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Field Type
AccountId	**Type** reference

Field	Field Type
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** ID of the account associated with this opportunity.
Amount	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Estimated total sale amount. For opportunities with products, the amount is the sum of the related products. Any attempt to update this field, if the record has products, will be ignored. The update call will not be rejected, and other fields will be updated as specified, but the Amount will be unchanged.
CampaignId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of a related Campaign. This field is defined only for those organizations that have the campaign feature Campaigns enabled. The User must have read access rights to the cross-referenced Campaign object in order to create or update that campaign into this field on the opportunity.
CloseDate	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** Required. Date when the opportunity is expected to close.
ConnectionReceivedId	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
ConnectionSentId	**Type** reference

Field	Field Type
	Properties Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`ContractId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contract that's associated with this opportunity.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Restricted picklist, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. If the organization has multicurrency and a Pricebook2 is specified on the opportunity (i.e., the `Pricebook2Id` field is not blank), then the currency value of this field must match the currency of the PricebookEntry records that are associated with any opportunity line items it has.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Text description of the opportunity. Limit: 32,000 characters.
`ExpectedRevenue`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read-only field that is equal to the product of the opportunity `Amount` field and the `Probability`. You can't directly set this field, but you can indirectly set it by setting the `Amount` or `Probability` fields.

Field	Field Type
`Fiscal`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If fiscal years are not enabled, the name of the fiscal quarter or period in which the opportunity `CloseDate` falls. Value should be in YYY Q format, for example, '2006 1' for first quarter of 2006.
`FiscalQuarter`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Represents the fiscal quarter. Valid values are 1, 2, 3, or 4.
`FiscalYear`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Represents the fiscal year, for example, 2006.
`ForecastCategory`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Restricted picklist field. It is implied, but not directly controlled, by the `StageName` field. You can override this field to a different value than is implied by the `StageName` value. The values of this field are fixed enumerated values. The field labels are localized to the language of the user performing the operation, if localized versions of those labels are available for that language in the user interface. In API version 12.0 and later, the value of this field is automatically set based on the value of the `ForecastCategoryName` and can't be updated any other way. The field properties Create, Defaulted on create, Nillable, and Update are not available in version 12.0.
`ForecastCategoryName`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field	Field Type
	Description Available in API version 12.0 and later. The name of the forecast category. It is implied, but not directly controlled, by the `StageName` field. You can override this field to a different value than is implied by the `StageName` value.
`HasOpenActivity`	**Type** boolean **Properties** Defaulted on create, Group, **Description** Indicates whether an opportunity has an open event or task (`true`) or not (`false`). Available in API version 35.0 and later.
`HasOpportunityLineItem`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only field that indicates whether the opportunity has associated line items. A value of `true` means that Opportunity line items have been created for the opportunity. An opportunity can have opportunity line items only if the opportunity has a price book. The opportunity line items must correspond to PricebookEntry objects that are listed in the opportunity Pricebook2. However, you can insert opportunity line items on an opportunity that does not have an associated Pricebook2. For the first opportunity line item that you insert on an opportunity without a Pricebook2, the API automatically sets the `Pricebook2Id` field, if the opportunity line item corresponds to a PricebookEntry in an active Pricebook2 that has a `CurrencyIsoCode` field that matches the `CurrencyIsoCode` field of the opportunity. If the Pricebook2 is not active or the `CurrencyIsoCode` fields do not match, then the API returns an error. You can't update the `Pricebook2Id` or `PricebookId` fields if opportunity line items exist on the Opportunity. You must delete the line items before attempting to update the `PricebookId` field.
`HasOverdueTask`	**Type** boolean **Properties** Defaulted on create, Group, **Description** Indicates whether an opportunity has an overdue task (`true`) or not (`false`). Available in API version 35.0 and later.

Field	Field Type
IsClosed	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Directly controlled by `StageName`. You can query and filter on this field, but you can't directly set it in a create, upsert, or update request. It can only be set via `StageName`. Label is **Closed**.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
IsExcludedFromTerritory2Filter	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Used for Filter-Based Opportunity Territory Assignment (Pilot in Spring '15 / API version 33). Indicates whether the opportunity is excluded (*`True`*) or included (*`False`*) each time the APEX filter is executed.
IsSplit	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only field that indicates whether credit for the opportunity is split between opportunity team members. Label is `IsSplit`.This field is available in versions 14.0 and later for organizations that enabled Opportunity Splits during the pilot period. Warning: This field should not be used. However, it's documented for the benefit of pilot customers who find references to `IsSplit` in code.
IsWon	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Field Type
	Description Directly controlled by `StageName`. You can query and filter on this field, but you can't directly set the value. It can only be set via `StageName`. Label is **Won**.
`LastActivityDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Value is one of the following, whichever is the most recent: • Due date of the most recent event logged against the record. • Due date of the most recently closed task associated with the record.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LeadSource`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Source of this opportunity, such as Advertisement or Trade Show.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. A name for this opportunity. Limit: 120 characters.

Field	Field Type
NextStep	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of next task in closing opportunity. Limit: 255 characters.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the User who has been assigned to work this opportunity. If you update this field, the previous owner's access becomes Read Only or the access specified in your organization-wide default for opportunities, whichever is greater. If you have set up opportunity teams in your organization, updating this field has different consequences depending on your version of the API: • For API version 12.0 and later, sharing records are kept, as they are for all objects. • For API version before 12.0, sharing records are deleted. • For API version 16.0 and later, users must have the "Transfer Record" permission in order to update (transfer) account ownership using this field.
Pricebook2Id	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** ID of a related Pricebook2 object. The `Pricebook2Id` field indicates which Pricebook2 applies to this opportunity. The `Pricebook2Id` field is defined only for those organizations that have products enabled as a feature. You can specify values for only one field (`Pricebook2Id` or `PricebookId`)—not both fields. For this reason, both fields are declared nillable.
PricebookId	**Type** reference **Properties** Create, Defaulted on create, Filter, Nillable, Update **Description** Unavailable as of version 3.0. As of version 8.0, the Pricebook object is no longer available. Use the `Pricebook2Id` field instead, specifying the ID of the Pricebook2 record.

Field	Field Type
`Probability`	**Type** percent **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** Percentage of estimated confidence in closing the opportunity. It is implied, but not directly controlled, by the `StageName` field. You can override this field to a different value than what is implied by the `StageName`. Note: If you're changing the `Probability` field through the API using a partner WSDL call, or an Apex `before` trigger, and the value may have several decimal places, we recommend rounding the value to a whole number. For example, the following Apex in a `before` trigger uses the `round` method to change the field value: `o.probability = o.probability.round();`
`RecordTypeId`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to this object.
`StageName`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** Required. Current stage of this record. The `StageName` field controls several other fields on an opportunity. Each of the fields can be directly set or implied by changing the `StageName` field. In addition, the `StageName` field is a picklist, so it has additional members in the returned describeSObjectResult to indicate how it affects the other fields. To obtain the stage name values in the picklist, query the OpportunityStage object. If the `StageName` is updated, then the `ForecastCategoryName`, `IsClosed`, `IsWon`, and `Probability` are automatically updated based on the stage-category mapping.
`SyncedQuoteID`	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** Read only in an Apex trigger. The ID of the Quote that syncs with the opportunity. Setting this field lets you start and stop syncing between the opportunity and a quote. The ID has to be for a quote that is a child of the opportunity.

Field	Field Type
Territory2Id	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the territory that is assigned to the opportunity. Available only if Enterprise Territory Management has been enabled for your organization.
TotalOpportunityQuantity	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Number of items included in this opportunity. Used in quantity-based forecasting.
Type	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Type of opportunity. For example, Existing Business or New Business. Label is **Opportunity Type**.

Note: If you are importing Opportunity data and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

Use the Opportunity object to manage information about a sale or pending deal. You can also sync this object with a child Quote. To update an Opportunity, your client application needs "Edit" permission on opportunities. You can create, update, delete, and query Attachment records associated with an opportunity via the API. To split credit for an opportunity among multiple opportunity team members, use the OpportunitySplit object.

Client applications can also create or update opportunity objects by converting a Lead with `convertLead()`.

Note: On opportunities and opportunity products, the workflow rules, validation rules, and Apex triggers fire when an update to a child opportunity product or schedule causes an update to the parent record. This means your custom application logic is enforced when there are updates to the parent record, ensuring higher data quality and compliance with your organization's business policies.

Sample Code—Java

This code starts the sync between an object and a child quote.

```
public void startQuoteSync() {
         Opportunity opp = new Opportunity();
         opp.setId(new ID("006D000000CpOSy"));
         opp.setSyncedQuoteId(new ID("0Q0D000000002OZ"));
   // Invoke the update call and save the results
   try {
      SaveResult[] saveResults = binding.update(new SObject[] {opp});
      // check results and do more processing after the update call ...
   }
   catch (Exception ex) {
      System.out.println("An unexpected error has occurred." + ex.getMessage());
      return;
 }
}
```

This code stops the sync between an object and a child quote.

```
public void stopQuoteSync() {
         Opportunity opp = new Opportunity();
         opp.setId(new ID("006D000000CpOSy"));
         opp.setFieldsToNull(new String[]  {"SyncedQuoteId"} );
   // Invoke the update call and save the results
   try {
      SaveResult[] saveResults = binding.update(new SObject[] {opp});
      // check results and do more processing after the update call ...
   }
   catch (Exception ex) {
      System.out.println("An unexpected error has occurred." + ex.getMessage());
      return;
 }
}
```

SEE ALSO:

OpportunityCompetitor

OpportunityHistory

OpportunityLineItem

OpportunityLineItemSchedule

OpportunityFieldHistory

Quote

QuoteLineItem

PartnerNetworkConnection

OpportunityCompetitor

Represents a competitor on an Opportunity.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
CompetitorName	**Type** combobox **Properties** Create, Filter, Nillable, Sort, Update **Description** Name of the competitor.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
OpportunityId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the associated Opportunity.
Strengths	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the competitor’s strengths. Limit: 1,000 characters.
Weaknesses	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the competitor’s weaknesses. Limit: 1,000 characters.

Usage

Use this object to manage competitors on an Opportunity, associating multiple competitors on a opportunity and specifying the strengths and weaknesses of each competitor.

SEE ALSO:

Opportunity

OpportunityContactRole

Represents the role that a Contact plays on an Opportunity.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of an associated Contact. The API applies user access rights to the associated Opportunity for this object, but not to the associated Contact. The API may return rows from a query on this object that include this field's values for contacts to which the user does not have sufficient access rights. It may also return values for this field for contacts that have been deleted. In either case, the client must perform a query on the contact table for this field's value to determine whether the Contact is accessible to the user and has not been deleted.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPrimary`	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the associated Contact plays the primary role on the Opportunity (`true`) or not (`false`). Each Opportunity has only one primary contact. Label is **Primary**.
`OpportunityId`	**Type** reference **Properties** Create, Filter, Group, Sort, **Description** Required. ID of an associated Opportunity. This field is non-nullable, and it cannot be updated. You must provide a value for this field when creating new records. You can't change it after it has been created.
`Role`	**Type** picklist **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** Name of the role played by the associated Contact on the Opportunity, such as Business User or Decision Maker.

Usage

Records of this object type appear in the user interface on the Opportunity detail page. Like most other objects, records of this object type have their own unique ID that you use when updating or deleting records.

Although allowed, we do not recommend that you create multiple relationships between the same Opportunity and a Contact.

SEE ALSO:

Object Basics

OpportunityFeed

Represents a single feed item in the feed displayed on the detail page for an opportunity record. This object is available in API version 18.0 and later.

An opportunity feed shows recent changes to an opportunity record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to opportunities.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Opportunity object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of OpportunityFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.

Field	Details
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).

Field	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item Body contains rich text. Set IsRichText to true if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • • • • <img> The <img> tag is accessible only via the API and must reference files in Salesforce similar to this example: <img src="sfdc://069B0000000omjh"></img> Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LastModifiedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, LastModifiedDate is the same as CreatedDate. If a FeedComment is inserted on that feed item, then LastModifiedDate becomes the CreatedDate for that FeedComment. Deleting the FeedComment does not change the LastModifiedDate. Ordering by LastModifiedDate DESC sorts the feed by both the most recent feed item or comment.

Field	Details
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the opportunity record that is tracked in the feed. The feed is displayed on the detail page for this record.

Field	Details
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold.

Field	Details
	• `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`.

Field	Details
	• On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for an opportunity record.

SEE ALSO:

Opportunity

EntitySubscription

NewsFeed

UserProfileFeed

OpportunityFieldHistory

Represents the history of changes to the values in the fields of an opportunity. This object is available in versions 13.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.

Field	Details
`OpportunityId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Opportunity. Label is **Opportunity ID**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Usage

Use this object to identify changes to any fields on an Opportunity. The OpportunityHistory object represents the history of a change to the `Amount`, `Probability`, `Stage`, or `Close Date` fields of an Opportunity.

This object respects field level security on the parent object.

SEE ALSO:

Opportunity

OpportunityHistory

Represents the stage history of an Opportunity.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Amount`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Estimated total sale amount.
`CloseDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Date when the opportunity is expected to close.
`ExpectedRevenue`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Calculated revenue based on the `Amount` and `Probability` fields.
`ForecastCategory`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Category that determines the column in which an opportunity is totaled in a forecast. Label is **To ForecastCategory**.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`OpportunityId`	**Type** reference

Field	Details
	Properties Filter, Group, Sort **Description** ID of the associated Opportunity.
`Probability`	**Type** percent **Properties** Filter, Nillable, Sort **Description** Percentage of estimated confidence in closing the opportunity.
`StageName`	**Type** picklist **Properties** Filter, Group, Sort **Description** Name of the current stage of the opportunity (for example, Prospect or Proposal).

Usage

This object represents the history of a change to the `Amount`, `Probability`, `Stage`, or `Close Date` fields of an Opportunity. The OpportunityFieldHistory object represents the history of a change to any of the fields of an Opportunity. To obtain information about how a particular opportunity is progressing, query the OpportunityHistory records associated with a given Opportunity. Please note that if an opportunity's `Amount`, `Probability`, `Stage`, or `Close Date` fields have not changed, nothing will be returned in the OpportunityHistory objects. In this case, query the OpportunityFieldHistory records associated with a given Opportunity to get more information about changes to the opportunity.

This object is read-only. The system generates a new record whenever a user or client application changes the value of any of the above fields; the then-current values of all of these major fields are saved in the newly-generated object.

This object respects field-level security on the parent object.

Note: The record is automatically deleted if its parent Opportunity is deleted.

SEE ALSO:

Opportunity

OpportunityLineItem

Represents an opportunity line item, which is a member of the list of Product2 products associated with an Opportunity.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

The user must have the "Edit" permissions on Opportunity records in order to create or update opportunity line items on an opportunity.

Fields

Field	Details
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`CurrencyIsoCode`	**Type** picklist **Properties** Defaulted on create, Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. If the organization has multicurrency enabled, and a Pricebook2 is specified on the parent opportunity (that is, the `Pricebook2Id` field is not blank on the opportunity referenced by this object's `OpportunityId`), then the value of this field must match the currency of the `CurrencyIsoCode` field on the PricebookEntry records that are associated with this object.

Field	Details
Description	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the opportunity line item. Limit: 80 characters.
Discount	**Type** percent **Properties** Filter, Nillable, Sort **Description** Discount for the product as a percentage. When updating these records: • If you specify `Discount` without specifying `TotalPrice`, the `TotalPrice` is adjusted to accommodate the new `Discount` value, and the `UnitPrice` is held constant. • If you specify both `Discount` and `Quantity`, you must also specify either `TotalPrice` or `UnitPrice` so the system knows which one to automatically adjust.
HasQuantitySchedule	**Type** boolean **Properties** Defaulted on create, Filter, Group **Description** Read-only. Indicates whether a quantity schedule has been created for this object (`true`) or not (`false`).
HasRevenueSchedule	**Type** boolean **Properties** Defaulted on create, Filter, Sort **Description** Indicates whether a revenue schedule has been created for this object (`true`) or not (`false`). If this object has a revenue schedule, the `Quantity` and `TotalPrice` fields can't be updated. In addition, the `Quantity` field can't be updated if this object has a quantity schedule. Update requests aren't rejected but the updated values are ignored.
HasSchedule	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** If either `HasQuantitySchedule` or `HasRevenueSchedule` is `true`, this field is also `true`.
`ListPrice`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Corresponds to the `UnitPrice` on the PricebookEntry that is associated with this line item, which can be in the standard pricebook or a custom pricebook. A client application can use this information to show whether the unit price (or sales price) of the line item differs from the pricebook entry list price.
`Name`	**Type** string **Properties** Filter, Nillable, Sort **Description** The opportunity line item name (known as "Opportunity Product" in the user interface). This read-only field is available in API version 30.0 and later.
`OpportunityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the associated Opportunity.
`PricebookEntryId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required. ID of the associated PricebookEntry. Exists only for those organizations that have Products enabled as a feature. You can specify values for either this field or `ProductId`, but not both. For this reason, both fields are declared nillable.
`ProductId`	**Type** reference

Field	Details
	Properties Create, Filter, Nillable **Description** ID of the related Product record. This field is unavailable as of version 3.0 and is only provided for backward compatibility. The Product object is unavailable beginning with version 8.0. Use the `PricebookEntryId` field instead, specifying the ID of the PricebookEntry record.
`Product2Id`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the related Product2 record. This is a read-only field available in API version 30.0 and later. Use the `PricebookEntryId` field instead, specifying the ID of the PricebookEntry record.
`ProductCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** This read-only field is available in API version 30.0 and later. It references the value in the ProductCode field of the related Product2 record.
`Quantity`	**Type** double **Properties** Create, Filter, Sort, Update **Description** Read-only if this record has a quantity schedule, a revenue schedule, or both a quantity and a revenue schedule. When updating these records: • If you specify `Quantity` without specifying the `UnitPrice`, the `UnitPrice` value will be adjusted to accommodate the new `Quantity` value, and the `TotalPrice` will be held constant. • If you specify both `Discount` and Quantity, you must also specify either `TotalPrice` or `UnitPrice` so the system can determine which one to automatically adjust.

Field	Details
`RecalculateTotalPrice`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Changes behavior of OpportunityLineItem calculations when a line item has child schedule rows for the `Quantity` value. When enabled, if the rollup quantity changes, then the quantity rollup value is multiplied against the sales price to change the total price. Product2 flag must be set to true.
`ServiceDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date when the product revenue will be recognized and the product quantity will be shipped. Whether this value is used by customizable forecasting depends upon the Forecast Date setting for the organization: • Opportunity Close Date—`ServiceDate` is ignored. • Product Date—`ServiceDate` is used if not `null`. • Schedule Date—`ServiceDate` is used if not `null` and there are no revenue schedules present for this line item, that is, there are no OpportunityLineItemSchedule records with a field `Type` value of Revenue that are children of this record.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number indicating the sort order selected by the user. Client applications can use this to match the sort order in Salesforce.
`Subtotal`	**Type** currency **Properties** Filter, Nillable **Description** Difference between standard and discounted pricing. Converted currency amounts when the opportunity's currency is different from the user's currency.
`TotalPrice`	**Type** currency

Field	Details
	Properties Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** This field is available only for backward compatibility. It represents the total price of the OpportunityLineItem. If you do not specify `UnitPrice`, this field is required. If you specify `Discount` and `Quantity`, this field or `UnitPrice` is required. When updating these records, you can change either this value or the `UnitPrice`, but not both at the same time. This field is nillable, but you can't set both `TotalPrice` and `UnitPrice` to null in the same update request. To insert the `TotalPrice` via the API (given only a unit price and the quantity), calculate this field as the unit price multiplied by the quantity. This field is read-only if the opportunity line item has a revenue schedule. If the opportunity line item does not have a schedule or only has quantity schedule, this field can be updated.
`UnitPrice`	**Type** currency **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The unit price for the opportunity line item. In the Salesforce user interface, this field's value is calculated by dividing the total price of the opportunity line item by the quantity listed for that line item. Label is **Sales Price**. This field or `TotalPrice` is required. You can't specify both. If you specify `Discount` and `Quantity`, this field or `TotalPrice` is required.

Usage

An Opportunity can have associated OpportunityLineItem records only if the Opportunity has a Pricebook2. An OpportunityLineItem must correspond to a Product2 that is listed in the opportunity's Pricebook2. For information about inserting OpportunityLineItem for an opportunity that does not have an associated Pricebook2 or any existing line items, see Effects on Opportunities.

This object is defined only for those organizations that have products enabled as a feature. If the organization does not have the products feature, this object does note appear in the `describeGlobal()` call, and you can't use `describeSObjects()` or query the OpportunityLineItem object.

For a visual diagram of the relationships between OpportunityLineItem and other objects, see Product and Schedule Objects.

Note: If multicurrency option has been enabled, the `CurrencyIsoCode` field is present. It can't be modified, and is always set to the value of the `CurrencyIsoCode` of the parent Opportunity.

Effects on Opportunities

Opportunities that have associated OpportunityLineItem records are affected in the following ways:

- Creating an OpportunityLineItem increments the Opportunity `Amount` value by the `TotalPrice` of the OpportunityLineItem. Additionally, inserting an OpportunityLineItem increments the `ExpectedRevenue` on the opportunity by the `TotalPrice` times the opportunity `Probability`.
- The Opportunity `Amount` becomes a read-only field when the opportunity has line items. The API ignores any attempt to update this field on an opportunity with line items. Update requests are not rejected, but the updated value is ignored.
- You can't update the `PricebookId` field or the `CurrencyIsoCode` field on the opportunity if line items exist. The API rejects any attempt to update these fields on an opportunity with line items.
- When you create or update an OpportunityLineItem, the API verifies that the line item corresponds to a PricebookEntry in the Pricebook2 that is associated with the opportunity. If the opportunity does not have an associated Pricebook2, the API automatically sets the pricebook on the opportunity if the line item corresponds to a PricebookEntry in an active Pricebook2, and if the PricebookEntry has a `CurrencyIsoCode` field that matches the `CurrencyIsoCode` field of the opportunity. If the Pricebook2 is not active or the `CurrencyIsoCode` fields do not match, an error is returned.
- The Opportunity `HasOpportunityLineItem` field is set to `true` when an OpportunityLineItem is inserted for that Opportunity.

SEE ALSO:

OpportunityLineItemSchedule

OpportunityLineItemSchedule

Represents information about the quantity, revenue distribution, and delivery dates for a particular OpportunityLineItem.

In API version 38.0 and later, when an OpportunityLineItem record is created for a product with a previously established schedule, an OpportunityLineItemSchedule record is also created.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Restricted picklist, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. This field is available in version 10.0 and later.
`Description`	**Type** string

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the opportunity line item schedule. Limit: 80 characters. Label is **Comments**.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
OpportunityLineItemId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the associated OpportunityLineItem.
Quantity	**Type** double **Properties** Create, Filter, Nillable, Update **Description** Required. The total number of units to be scheduled in a quantity schedule.
Revenue	**Type** currency **Properties** Create, Filter, Nillable, Update **Description** The revenue that should be recognized, or the quantity that should be shipped, or both - depending upon the value of `Type`.
ScheduleDate	**Type** date **Properties** Create, Filter, Update

Field	Details
	Description Required. The date the associated OpportunityLineItem is to be scheduled for an event: delivery, shipping, or any other date you wish to track.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** The type of the schedule. Required when inserting an OpportunityLineItemSchedule. Valid values include `Quantity`, `Revenue`, or `Both`.

Allowed Type Field Values

The allowed `Type` values for an OpportunityLineItemSchedule depend on the product-level schedule preferences and whether the line item has any existing schedules. The following criteria must be met:

- The Product2 on which the OpportunityLineItem is based must have the appropriate `CanUseRevenueSchedule` or `CanUseQuantitySchedule` fields (or both) set to `true`.
- When you create a schedule for a line item that does not have any existing schedules, you can specify any valid value.
- If you create a schedule for a line item that already has existing schedules, the new schedule must be consistent with the existing schedules. The following matrix outlines the allowable values:

Value of HasRevenueSchedule on line item	Value of HasQuantitySchedule on line item	Allowable Type Values
false	false	`Revenue`, `Quantity`, both
false	true	`Quantity`
true	false	`Revenue`
true	true	both

Allowed Quantity and Revenue Field Values

The allowable `Quantity` and `Revenue` field values depend on the value of the `Type` field:

Type Value	Allowable Quantity Value	Allowable Revenue Value
`Revenue`	Null	Non-null
`Quantity`	Non-null	Null
both	Non-null	Non-null

The `Quantity` and `Revenue` fields have the following restrictions when this object is updated:

- For a schedule of `Type Quantity`, you can't update a null `Revenue` value to non-null. Likewise for a schedule of `Type Revenue`, you can't update a null `Quantity` value to non-null.
- You can't null out the `Quantity` field for a schedule of `Type Quantity`. Likewise you can't null out the `Revenue` field for a schedule of `Type Revenue`.
- You can't null out either the `Revenue` or `Quantity` fields for a schedule of type `Both`.

Usage

OpportunityLineItemSchedule supports two types of schedules:

- `Quantity` schedules
- `Revenue` schedules

The user must have edit access rights on the Opportunity in order to create or update line item schedules on that opportunity.

Products and Schedules Must Be Enabled

The OpportunityLineItemSchedule object is defined only for those organizations that have the products and schedules features enabled. If the organization does not have the products and schedules features, the OpportunityLineItemSchedule object is not returned in a describe, and you can't describe or query OpportunityLineItemSchedule records.

Effects on Opportunities and Opportunity Line Items

OpportunityLineItemSchedule records affect opportunities and opportunity line items in the following ways:

- Inserting an OpportunityLineItemSchedule of `Type` "Revenue" or "Quantity" increments the `TotalPrice` field on the OpportunityLineItem by the OpportunityLineItemSchedule `Revenue` amount. Inserting an OpportunityLineItemSchedule of `Type Quantity` or `Both` increments the `Quantity` field on the OpportunityLineItem by the OpportunityLineItemSchedule `Quantity` amount.
- Creating an OpportunityLineItemSchedule record affects the original opportunity:
  1. The Opportunity `Amount` is incremented the by OpportunityLineItemSchedule revenue amount
  2. The Opportunity `ExpectedRevenue` is incremented by the line item schedule amount multiplied by the Opportunity `Probability`
- Deleting an OpportunityLineItemSchedule has a similar effect on the related OpportunityLineItem and Opportunity. Deleting an OpportunityLineItemSchedule decrements the OpportunityLineItem `TotalPrice` by the deleted OpportunityLineItemSchedule `Quantity` or `Revenue` amount. The Opportunity `Amount` is also decremented by the OpportunityLineItemSchedule `Quantity` or `Revenue` amount, and the Opportunity `ExpectedRevenue` is reduced by OpportunityLineItemSchedule `Quantity` or `Revenue` amount multiplied by the Opportunity `Probability`.

Deleting an Opportunity Line Item Schedule

Deleting the last remaining schedule will set the corresponding `HasQuantitySchedule` or `HasRevenueSchedule` flags (or both) to `false` on the parent line item.

SEE ALSO:
OpportunityLineItem
Product2

OpportunityOverride

Represents a forecast override of an Opportunity. This read-only object is specific to customizable forecasting. It has a parent-child relationship with LineitemOverride.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Requires the "View All Data" permission.

Fields

Field	Details
`AmountInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the overridden amount rolls up through the forecast hierarchy (`true`), or was overridden by the owner of the OpportunityOverride (`false`).
`ForecastCategoryInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the overridden forecast category rolls up through the forecast hierarchy (`true`) or was overridden by the owner of the OpportunityOverride (`false`).

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
OpportunityId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the associated Opportunity.
OutOfDate	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` if a subordinate user's OpportunityOverride, or the opportunity itself, has been updated since this override was last updated, such that an overridden value on this override may be obsolete. For example, a subordinate user has more recently overridden the same period, category, or amount field.
OverrideAmount	**Type** currency **Properties** Create, Filter, Sort, Update **Description** The total monetary amount of the opportunity, possibly overridden.
OverrideComment	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The comment entered on the opportunity forecast edit page. Limit: 255 characters.
OverrideForecastCategory	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** The forecast category of the opportunity, possibly overridden.
`OverridePeriodId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the associated fiscal Period, possibly overridden. If you are using custom fiscal years and the period falls after your custom fiscal year has ended, then the override is not returned.
`OverrideQuantity`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity of the opportunity, possibly overridden.
`OwnerId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the OpportunityOverride owner.
`PeriodInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the overridden period rolls up through the forecast hierarchy (`true`) or was overridden by the OpportunityOverride owner (`false`).
`QuantityInherited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether the overridden quantity rolls up through the forecast hierarchy (`true`) or was overridden by the OpportunityOverride owner (`false`).

Important: You can't use the `<apex:relatedList>` component to add related lists such as OpportunityForecast to Visualforce pages because the `RelationshipName`field of OpportunityOverride is not exposed in the API. Use the `<apex:detail>` component instead.

SEE ALSO:

LineitemOverride

OpportunityOwnerSharingRule

Represents a rule for sharing an opportunity with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Opportunities owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • `Read` • `Edit`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description The ID representing the target user or group. The target user or group is being given access.

Usage

Use this object to manage the sharing rules for opportunities. General sharing and Territory-related sharing use this object.

SEE ALSO:

Case

Metadata API Developer Guide: SharingRules

OpportunityPartner

This read-only object represents a partner relationship between an Account and an Opportunity. This object is automatically created when a Partner object is created for a partner relationship between an account and an opportunity.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`AccountToId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner Account in the partner relationship.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.

Field	Details
`IsPrimary`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the account is the opportunity's primary partner (`true`) or not (`false`). Label is **Primary**.
`OpportunityId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Opportunity that is in the partner relationship.
`Role`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The UserRole that the Account has on the Opportunity. For example, `Reseller` or `Manufacturer`.

Creating an Account-Opportunity Partner Relationship

When you create a partner relationship between an account and an opportunity (when you create a Partner object and specify the `OpportunityId` field), the API automatically creates an OpportunityPartner with the corresponding values:

- The value of the Partner field `AccountToId` maps to the value of the OpportunityPartner field `AccountToId`.
- The values of the `OpportunityId`, `Role`, and `IsPrimary` fields in both objects are the same.
- If you set the `IsPrimary` value to 1 (`true`) upon insert of a new OpportunityPartner, any other existing primary partners for that opportunity will automatically have the `IsPrimary` value set to 0 (`false`).

This mapping allows the API to manage the objects and their relationship efficiently.

SEE ALSO:

Partner

AccountPartner

OpportunityShare

Represents a sharing entry on an Opportunity.

Supported Calls

`describeSObjects()`, `create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`OpportunityAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Level of access that the user or group has to the opportunity. The possible values are: • `Read` • `Edit` • `All`—This value is not valid when creating, updating, or deleting records. This field must be set to an access level that's higher than the org's default access level for opportunities.
`OpportunityId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the opportunity associated with this sharing entry. This field can't be updated.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field	Details
	Description Reason that this sharing entry exists. You can write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • `Owner`—User is the owner of the opportunity. • `Manual`—User or group has access because a user with “All” access manually shared the opportunity with the user or group. • `Rule`—User or group has access via an opportunity sharing rule. • `ImplicitChild`—User or group has access to the opportunity on the account associated with this opportunity. • `Sales Team`—User has access to the opportunity because the user is on the opportunity sales team for the opportunity. The OpportunityTeamMember object sets the access level. See OpportunityTeamMember for more information.
`UserOrGroupId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user or group that has been given access to the opportunity. This field can’t be updated.

Usage

This object allows you to determine which users and groups can view or edit opportunities owned by other users.

If you attempt to create a record that matches an existing record, any modified fields are updated, the system returns the existing record.

If an opportunity is shared in multiple ways with a user, you don’t always see multiple sharing records. If a user has access to an opportunity for one or more of the following RowCause values, the records in the OpportunityShare object are compressed into one record with the highest level of access.

- `Manual`
- `Owner`

SEE ALSO:

Object Basics

OpportunitySplit

OpportunitySplit credits one or more opportunity team members with a portion of the opportunity amount. This object is available in API version 16.0 and later for pilot customers, and version 28.0 and later for others.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`OpportunityId`	**Type** reference **Properties** Create, FilterGroup, Sort **Description** ID of the opportunity for which the split is being created. Label is `Opportunity ID`.
`Split`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** Read-only. Automatically-generated number identifying the split within the opportunity.
`SplitAmount`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Monetary amount of the split. Label is `Split Amount`.
`SplitNote`	**Type** string **Properties** Create, Filter, Group, Nillable,Sort, Update **Description** Enter any notes or comments about the split. Character limit is 255. Label is `Split Note`.
`SplitOwnerId`	**Type** reference

Field	Details
	Properties Create, Filter,Group, Sort **Description** The opportunity owner. Label is `User ID`.
`SplitPercentage`	**Type** percent **Properties** Create, Filter, Sort, Update **Description** Split percentage that this team member will receive. If the split type is validated to a 100% total, this number can range from 0 to 100. If the total isn't validated, this number can range from 0 to 1,000. Label is `Split (%)`.
`SplitTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Auto-generated, numeric ID for the split type defined by the OpportunitySplitType object. This field is available in API version 28 and later. If this field is blank, the system automatically specifies the default split type for the opportunity amount, which is validated to 100%.

Usage

Use the OpportunitySplit object to manage splits for an opportunity.

If you change the opportunity owner using the API, the old owner remains on the opportunity team with either Read-only access, or the level of access specified in your organization-wide defaults.

OpportunitySplitType

OpportunitySplitType provides unique labels and behavior for each split type. This object is available in API version 28.0 and later.

There are two default split types: revenue splits, which must total 100%, and overlay splits, which can total any percentage.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
Description	**Type** textarea **Properties** Create, Filter, Group, Sort, Update **Description** Describes the purpose of the split type, providing context to future developers.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The unique name of the object in the API. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Enables or disables the split type.
IsTotalValidated	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** If `true`, the split must total 100%. If `false`, the split can total any percentage.
Language	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates language of split labels in the user interface.

Field Name	Details
`ManageableState`	**Type** ManageableState enumerated list **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the manageable state of the specified component that is contained in a package: • `beta` • `deleted` • `deprecated` • `installed` • `released` • `unmanaged` For more information about states of manageability for components in Salesforce AppExchange packages, see "Planning the Release of Managed Packages" in the Salesforce online help. This field is available in API version 38.0 and later.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The user-interface label for the split type.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer.

Field Name	Details
	• In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.
`SplitEntity`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The containing record type, such as an opportunity. Available in API version 30 and later.
`SplitField`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Indicates which currency field of the opportunity object is split. Available in API version 30 and later.
`SplitDataStatus`	**Type** picklist **Properties** Filter, Group, Nillable,Restricted picklist, Sort,Update **Description** Indicates the status of the split type. Available in API version 30 and later.

OpportunityStage

Represents the stage of an Opportunity in the sales pipeline, such as New Lead, Negotiating, Pending, Closed, and so on.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`DefaultProbability`	**Type** percent **Properties** Filter, Nillable, Sort, **Description** The default percentage estimate of the confidence in closing a specific opportunity for this opportunity stage value. Label is **Probability (%)**.
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Description of this opportunity stage value. Limit: 255 characters.
`ForecastCategory`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The default forecast category for this opportunity stage value. The forecast category automatically determines how opportunities are tracked and totaled in a forecast.
`ForecastCategoryName`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Available in API version 12.0 and later. The default forecast category value for this opportunity stage value.
`IsActive`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates whether this opportunity stage value is active (`true`) or not (`false`). Inactive opportunity stage values are not available in the picklist and are retained for historical purposes only.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this opportunity stage value represents a closed opportunity (`true`) or not (`false`). Multiple opportunity stage values can represent a closed opportunity. Label is **Closed**.
`IsWon`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this opportunity stage value represents a won opportunity (`true`) or not (`false`). Multiple opportunity stage values can represent a won opportunity. Label is **Won**.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this opportunity stage value. This display value is the internal label that does not get translated. Limit: 255 characters.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the opportunity stage picklist. These numbers are not guaranteed to be sequential, as some previous opportunity stage values might have been deleted.

Usage

This object represents a value in the opportunity stage picklist, which provides additional information about the stage of a Opportunity, such as its probability or forecast category. Query this object to retrieve the set of values in the opportunity stage picklist, and then use that information while processing Opportunity records to determine more information about a given opportunity. For example, the application could test whether a given opportunity is won or not based on its `StageName` value and the value of the `IsWon` property in the associated OpportunityStage object.

This object is read-only via the API.

SEE ALSO:

Object Basics

OpportunityTag

Associates a word or short phrase with an Opportunity.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter

Field Name	Details
	Description ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

OpportunityTag stores the relationship between its parent TagDefinition and the Opportunity being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

OpportunityTeamMember

Represents a User on the opportunity team of an Opportunity.

See also UserTeamMember, which represents a User who is on the default opportunity team of another user.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist

Field	Details
	Description Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the org.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**. Note: An OpportunityTeamMember record that is deleted is not moved to the Recycle Bin and cannot be undeleted, unless the record was cascade-deleted when deleting a related Opportunity. For directly deleted OpportunityTeamMember records, don't use the `isDeleted` field to detect deleted records in SOQL queries or `queryAll()` calls. Instead, use `getDeleted()`.
`Name`	**Type** string **Properties** Filter, Nillable, Sort **Description** The team member name. This read-only field is available in API version 30.0 and later.
`OpportunityAccessLevel`	**Type** picklist **Properties** Filter, Nillable, Restricted picklist **Description** Opportunity access level for this team member. Valid values: • `Read` • `Edit` This field is supported in triggers, but not in workflows or validation rules. It is editable in API version 36.0 and later.
`OpportunityId`	**Type** reference **Properties** Create, Filter **Description** Required. ID of the Opportunity associated with this opportunity team. This field can't be updated.

Field	Details
PhotoURL	**Type** URL **Properties** Filter, Nillable, Sort, Group **Description** Read only. Retrieves the users Chatter photo URL. This field is available in API version 32.0 and later.
TeamMemberRole	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Role that the team member has on the opportunity. The org's admin sets the valid values in the Opportunity Team Roles picklist. Label is **Team Role**.
Title	**Type** string **Properties** Filter, Nillable, Sort, Group **Description** Read only. Retrieves the user's title. This field is available in API version 36.0 and later.
UserId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who is a member of the opportunity team. This field can't be updated.

Usage

If you create a record for this object and it matches an existing record, the system updates any modified fields and returns the existing record.

In the user interface, users can set up an opportunity team for the opportunities they own. The opportunity team includes other users that are working on the opportunity with them. This object is available only in organizations that have enabled team selling.

Note: The behavior for changing ownership of opportunities is different using the user interface when the previous owner is on an opportunity team. For example, when you change the owner of an opportunity using the API, the previous owner's access becomes Read Only or the access specified in your organization-wide default for opportunities, whichever is greater. However, performing this same action in the user interface allows you to select the access level for the previous owner when the previous owner is on an opportunity team.

SEE ALSO:

UserTeamMember

Order

Represents an order associated with a contract or an account.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Nillable, Group, Sort, Update **Description** Required. ID of the Account associated with this order. Can only be updated when the order's `StatusCode` value is *`Draft`*.
`ActivatedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort,Update **Description** ID of the User who activated this order.
`ActivatedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** Date and time when the order was activated.
`BillingCity`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** City for the billing address for this order. Maximum size is 40 characters.
`BillingCountry`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Country for the billing address for this order. Maximum size is 80 characters.
`BillingCountryCode (beta)`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO country code for the billing address for this order.
`BillingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLongitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`BillingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLatitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`BillingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Postal code for the billing address for this order. Maximum size is 20 characters.
BillingState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the billing address for this order. Maximum size is 80 characters.
BillingStateCode (beta)	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO state code for the order's billing address.
BillingStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street address for the billing address.
BillToContactId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contact that the order will be billed to.
CompanyAuthorizedById	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the user who authorized the account associated with the order.
CompanyAuthorizedDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Date on which the order was authorized by your organization.
`ContractId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contract associated with this order. Can only be updated when the order's `StatusCode` value is *`Draft`*.
`CustomerAuthorizedById`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contact who authorized the order.
`CustomerAuthorizedDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date on which the contact authorized the order.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the order.
`EffectiveDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** Date at which the order becomes effective. Label is **Order Start Date**.
`End Date`	**Type** date

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Date at which the order ends. Label is **Order End Date**.
`IsReductionOrder`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Read-only. Determines whether an order is a reduction order. Label is **Reduction Order**.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name for this order.
`OpportunityId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description ID for the opportunity that's associated with this order.
`OrderNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** Order number assigned to this order (not the unique, system-generated ID assigned during creation). Maximum size is 30 characters.
`OrderReferenceNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Order reference number assigned to this order. Maximum size is 80 characters.
`OriginalOrderId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort **Description** Optional. ID of the original order that a reduction order is reducing, if the reduction order is reducing a single order. Label is **Original Order**. Editable only if `isReductionOrder` is *`true`*. If the reduction order is reducing more than one order, leave blank.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Required. ID of the User or queue that owns this order.
`PoDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date of the purchase order.

Field Name	Details
PoNumber	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Number identifying the purchase order. Maximum is 80.
Pricebook2Id	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** Required. ID of the price book associated with this order.
QuoteId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the quote that's associated with this order. If you set `QuoteId` to null, `QuoteLineItemId` on all of the order's child order products is set to null.
RecordTypeId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the record type assigned to this order.
ShippingCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City of the shipping address. Maximum size is 40 characters.
ShippingCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Country of the shipping address. Maximum size is 80 characters.
`ShippingCountryCode (beta)`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO country code for the order's shipping address.
`ShippingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLongitude` to specify the precise geolocation of a shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`ShippingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLatitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`ShippingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal code of the shipping address. Maximum size is 20 characters.
`ShippingState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State of the shipping address. Maximum size is 80 characters.

Field Name	Details
`ShippingStateCode (beta)`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO state code for the order's shipping address.
`ShippingStreet`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street address of the shipping address. Maximum of 255 characters.
`ShipToContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contact the order will be shipped to.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Picklist of values that indicate order status. Each value is within one of two status categories defined in `StatusCode`. For example, the status picklist might contain *`Draft`*, *`Ready for Review`*, and *`Ready for Activation`* values with a `StatusCode` of *`Draft`*.
`StatusCode`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** The status category for the order. An order can be either *`Draft`* or *`Activated`*. Label is **Status Category**.
`TotalAmount`	**Type** currency

Field Name	Details
	Properties Filter, Sort **Description** The total amount for the order products associated with this order.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The type of order.

Usage

The `Status` field specifies the current state of an order. Status strings represent its current state (*`Draft`* or *`Activated`*).

When a client application creates an order, the `Status Code` must be *`Draft`* and the `Status` must be any value that corresponds to a `Status Code` of *`Draft`*. The application can subsequently activate an order by updating it and setting the value in its `Status` field to an *`Activated`* state; however, the `Status` field is the only field you can update when activating the order.

After an order is activated, your client application can change the `Status` back to the *`Draft`* state—but only if the order doesn't have any child reduction order products. Your client application can delete orders when the `Status` is *`Draft`* but not when its `Status` is *`Activated`*.

Client applications can use the API to create, update, delete, and query any Attachment associated with an order.

SEE ALSO:

OrderFeed

OrderHistory

OrderItem

OrderFeed

Represents a single feed item in the feed displayed on an order.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"

- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the OrderFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.

Field Name	Details
ContentDescription	**Type** textarea **Properties** Create, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if Type is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the InsertedBy value is set to the ID of the logged-in user.

Field Name	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Sort

Field Name	Details
	Description The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the order record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `Type` `ContentPost`.
`Title`	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of FeedItem: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question.

Field Name	Details
	• `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only.

Field Name	Details
	Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for an order record.

SEE ALSO:

Order

OrderHistory

Represents historical information about changes that have been made to the standard fields of the associated order, or to any custom fields with history tracking enabled.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the order field that was modified, or a special value to indicate some other modification to the order.
`NewValue`	**Type** anyType **Properties** Nillable, Sort

Field Name	Details
	Description New value of the modified order field. Maximum of 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified order field. Maximum of 255 characters.
`OrderId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the order associated with this record.

Usage

Order history entries are automatically created each time an order is modified.

Two rows are added to this record when foreign key fields change. One row contains the foreign key object names that display in the online application. For example, `Jane Doe` is recorded as the name of a Contact. The other row contains the actual foreign key ID that is only returned to and visible from the API.

This object respects field-level security on the parent object.

SEE ALSO:
Order

OrderItem

Represents an order product that your organization sells.

Supported Calls

`create()`, `delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
AvailableQuantity	**Type** double **Properties** Filter, Nillable, Sort **Description** Amount of an order product that is available to be reduced. Value must be greater than or equal to 0. An order product is reducible only if AvailableQuantity is greater than 0. Value is always 0 if the order product's parent order is a reduction order.
Description	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of this object.
EndDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Optional. Last day the order product is available.
ListPrice	**Type** currency **Properties** Filter, Nillable, Sort **Description** List price for the order product. Value is inherited from the associated PriceBookEntry upon order product creation.
OrderId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the order that this order product is a child of.

Field Name	Details
`OrderItemNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** Automatically-generated number that identifies the order product.
`OriginalOrderItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required if `isReductionOrder` on the parent order is *`true`*. ID of the original order product being reduced.
`PricebookEntryId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the associated PricebookEntry. This field must be specified when creating OrderItem records. It can’t be changed in an update.
`Product2Id`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the Product2 associated with this OrderItem.
`Quantity`	**Type** double **Properties** Create, Filter, Sort, Update **Description** Number of units of this order product.
`QuoteLineItemId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description ID of the associated quote line item. If this field is specified, the quote line item's QuoteId must match the QuoteId for the order product's parent order.
`ServiceDate`	**Type** date **Properties** Create, Filter, Nillable, Sort, Update **Description** Start date for the order product. Label is **Start Date**.
`UnitPrice`	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Unit price for the order product.

Usage

An order can have associated order product records only if the order has a price book associated with it. An order product must correspond to a product that is listed in the order's price book.

SEE ALSO:

- OrderItemFeed
- OrderItemHistory
- Order

OrderItemFeed

Represents a single feed item in the feed displayed on the detail page for an order product record.

An order product feed shows changes to an order product for fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to order products in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if Type is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
`ContentSize`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read-only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read-only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines.

Field Name	Details
	• `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values:

Field Name	Details
	• `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** string **Properties** Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `TypeContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the Type is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description The type of FeedItem: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed:

Field Name	Details
	• `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for an order product record.

SEE ALSO:

OrderItem

OrderItemHistory

Represents the history of changes to the values in the fields of an order product.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`OrderItemId`	**Type** reference

Field Name	Details
	Properties Group, Sort **Description** ID of the order product. Label is **Order Product ID**.

Usage

Use this object to identify changes to an order product.

This object respects field-level security on the parent object.

SEE ALSO:

OrderItem

OrderOwnerSharingRule

Represents a rule which determines order sharing access for the order's owners.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`CreatedById`	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort **Description** ID of the creator of the order owner sharing rule.

Field	Details
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date when the order owner sharing rule was created.
Description	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the order owner sharing rule. Maximum length is 1,000 characters.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the developer of the order owner sharing rule.
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the group whose orders are shared.
Id	**Type** ID **Properties** Defaulted on create, Filter, Group, idLookup, Sort **Description** ID of the order owner sharing rule.
LastModifiedById	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort **Description** ID of the user who last modified the order owner sharing rule.

Field	Details
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date when the order owner sharing rule was last modified.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Namefield, Sort, Update **Description** Name of the order owner sharing rule. Maximum length is 80 characters.
`OrderAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Access level for the order owner sharing rule.
`SystemModstamp`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** System modification time for the order owner sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group with whom order access is shared.

Usage

Use this object to manage the sharing rules for orders. For example, the following code creates an order owner sharing rule between two public groups, which can also contain portal users.

```
OrderOwnerSharingRule rule = new OrderOwnerSharingRule();
rule.setName("RuleName"); // Set the sharing rule name
```

```
rule.setDeveloperName("RuleDeveloperName"); // Set the sharing rule developer name
rule.setGroupId("00Gx00000000000"); // Set the group of users to share records from
rule.setUserOrGroupId("00Gx00000000001"); // Set the group of users to share records to
rule.setOrderAccessLevel("Edit");
connection.create(rule);
```

SEE ALSO:

Metadata API Developer Guide: SharingRules

Organization

Represents key configuration information for an organization.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Executing a SOQL SELECT query returns the value of fields in this object, but no value is visible for some of the fields.

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`Address` (beta)	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
`AllowsSelfServiceLogin`	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether the organization allows Self-Service login (`true`) or not (`false`).
`City`	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort, Update **Description** Name of the city for the organization's address.
ComplianceBccEmail	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** Email address for compliance blind carbon copies. Limit: 80 characters.
Country	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the country for the organization's address. Limit: 80 characters.
CountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the organization’s address.
DailyWebToCaseCount	**Type** int **Properties** Filter, Nillable **Description** The number of web form submissions that have been converted to cases for the day.
DailyWebToCaseLimit	**Type** int **Properties** Filter, Nillable

Field	Details
	Description The maximum number of web form submissions that can be converted to cases per day.
DailyWebToLeadCount	**Type** int **Properties** Filter, Nillable **Description** The number of web form submission that have been converted to leads for the day
DailyWebToLeadLimit	**Type** int **Properties** Filter, Nillable **Description** The maximum number of web form submissions that can be converted to leads per day.
DefaultAccountAccess	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** In API version 10.0 and later, represents the default access level for accounts, contracts, and assets. The possible values are: • `None` • `Read` • `Edit` • `ControlledByLeadOrContact` • `ControlledByCampaign` In versions before 10.0, `DefaultAccountAndContactAccess` represented this value.
DefaultAccountAndContactAccess	**Type** picklist **Properties** Filter, Nillable, Restricted picklist

Field	Details
	Description Default access level for accounts, contacts, contracts, and assets. This field is supported for backward compatibility only and is not available in API version 10.0 or later. In version 10.0 and later, use either `DefaultAccountAccess` or `DefaultContactAccess`.
`DefaultCalendarAccess`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for calendars. The possible values are listed, followed by the user interface labels in parentheses: • `HideDetails` (Hide Details) • `HideDetailsInsert` (Hide Details and Add Events) • `ShowDetails` (Show Details) • `ShowDetailsInsert` (Show Details and Add Events) • `AllowEdits` (Full Access)
`DefaultCampaignAccess`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for campaigns. The possible values are: • `None` • `Read` • `Edit` • `All`
`DefaultCaseAccess`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for cases. The possible values are: • `None` • `Read` • `Edit` • `ReadEditTransfer`

Field	Details
DefaultContactAccess	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for contacts. The possible values are: • None • Read • Edit • ControlledByParent In versions before 10.0, DefaultAccountAndContactAccess represented this value. Note: When DefaultContactAccess is set to "Controlled by Parent," you can't update the ContactAccessLevel field.
DefaultLeadAccess	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for leads. The possible values are: • NoneRead • Edit • ReadEditTransfer
DefaultLocaleSidKey	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** Default locale SID key.
DefaultOpportunityAccess	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for opportunities. The possible values are:

Field	Details
	• `None` • `Read` • `Edit` • `ControlledByLeadOrContact` • `ControlledByCampaign`
`DefaultPricebookAccess`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Default access level for price books. The possible values are listed, followed by the user interface labels in parentheses: • `None` (No access) • `Read` (Read only) • `ReadSelect` (Use)
`DefaultTerritoryAccountAccess`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Default access level for accounts in territories. The possible values are: • `Read` • `Edit` • `All`
`DefaultTerritoryCaseAccess`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Default access level for cases associated with accounts in territories. The possible values are: • `None` • `Read` • `Edit` • `ControlledByLeadOrContact` • `ControlledByCampaign`

Field	Details
DefaultTerritoryContactAccess	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Default access level for contacts associated with accounts in territories. The possible values are: • NoneRead • Edit • ControlledByLeadOrContact • ControlledByCampaign Note: When DefaultContactAccess is set to “Controlled by Parent” you can’t update this field.
DefaultTerritoryOppAccess	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Default access level for opportunities in territories. Valid values: • NoneRead • Edit • ControlledByLeadOrContact • ControlledByCampaign
Division	**Type** string **Properties** Filter, Nillable, Update **Description** The name of the division for this organization. This field is not related to the Division object.
Fax	**Type** phone **Properties** Filter, Group, Nillable, Sort, Update **Description** Fax number. Limit: 40 characters.

Field	Details
FiscalYearStartMonth	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number that corresponds to the month that this organization's fiscal year starts.
HomepageHtml	**Type** textarea **Properties** Nillable, Update **Description** The Home tab custom links and company message for this organization.
InstanceName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Read-only. The name of the instance. Available in API version 31.0 or later.
IsSandbox	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. Indicates whether the current organization is a sandbox (`true`) or production (`false`) instance. Available in API version 31.0 or later.
LanguageLocaleKey	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** The same as `Language`, the two-to-five character code which represents the language and locale ISO code. This controls the language for labels displayed in an application.

Field	Details
LastWebToCaseDate	**Type** dateTime **Properties** Filter, Nillable **Description** The last date that a web form submission was converted to a case.
LastWebToLeadDate	**Type** dateTime **Properties** Filter, Nillable **Description** The last date that a web form submission was converted to a lead.
Latitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of an address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
Longitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Latitude to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
MaxActionsPerRule	**Type** int **Properties** Filter, Nillable **Description** Maximum number of actions per workflow, assignment, escalation, and auto-response rules. This field is unavailable in version 15.0 and later.

Field	Details
MaxRulesPerEntity	**Type** int **Properties** Filter, Nillable **Description** Maximum number of rules per object, inclusive of workflow, assignment, escalation, and auto-response rules. This field is unavailable in version 15.0 and later.
MonthlyPageViewsEntitlement	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of page views allowed for the current calendar month for the sites in your organization. To access this field, Salesforce Sites must be enabled for your organization. This field is generally available in API versions 18.0 and later.
MonthlyPageViewsUsed	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of page views used in the current calendar month for the sites in your organization. To access this field, Salesforce Sites must be enabled for your organization. This field is generally available in API versions 18.0 and later.
Name	**Type** string **Properties** Filter, Group, Sort, Update **Description** The name of the organization.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`OrganizationType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Edition of the organization, for example Enterprise Edition or Unlimited Edition.
`Phone`	**Type** phone **Properties** Filter, Group, Nillable, Sort, Update **Description** Phone number for the organization.
`PostalCode`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Postal code for the address of the organization. Limit: 20 characters.
`PreferencesAutoSelectIndividualOnMerge`	**Type** boolean

Field	Details
	Properties Filter, Update
`PreferencesEventScheduler`	**Type** boolean **Properties** Update **Description** Indicates whether opportunities require products (`true`) or not (`false`).
`PreferencesRequireOpportunityProducts`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether opportunities require products (`true`) or not (`false`).
`PreferencesS1BrowserEnabled`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the Salesforce mobile web is enabled for all users in your organization (`true`) or is disabled for all users (`false`). This field is available in API version 29.0 or later.
`PreferencesTerminateOldestSession`	**Type** boolean **Properties** Filter, Update **Description** Indicates whether the oldest login session is automatically closed when a policy specifying the maximum number of sessions is triggered. This field is available in API version 35.0 or later.
`PreferencesTransactionSecurityPolicy`	**Type** boolean **Properties** Filter, Update

Field	Details
	Description Indicates whether the Transaction Security feature has been enabled. This field is available in API version 35.0 or later.
`PrimaryContact`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Name of the primary contact for the organization. Limit: 80 characters.
`ReceivesAdminInfoEmails`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the organization receives administrator emails (`true`) or not (`false`).
`ReceivesInfoEmails`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the organization receives informational email from Salesforce (`true`) or not (`false`).
`SelfServiceCasePlural`	**Type** string **Properties** Filter, Nillable, Update **Description** The plural version of the term used to represent the Case object in the Self-Service portal.
`SelfServiceCaseSingle`	**Type** string **Properties** Filter, Nillable, Update

Field	Details
	Description The singular version of the term used to represent the Case object in the Self-Service portal.
`SelfServiceCaseSubmitRecordTypeId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the record type associated with a case submitted via the Self-Service portal.
`SelfServicDefaultCaseOrigin`	**Type** string **Properties** Filter, Nillable, Update **Description** The default origin of a case submitted via the Self-Service portal.
`SelfServiceEmailSenderAddress`	**Type** email **Properties** Filter, Nillable, Update **Description** The Self-Service email address from which new Self-Service user and password email messages are sent, such as `support@acme.com`.
`SelfServiceEmailSenderName`	**Type** string **Properties** Filter, Nillable, Update **Description** The name associated with the email address in the `SelfServiceEmailSenderAddress` field, such as `Acme Customer Support`.
`SelfServiceEmailUserOnCaseCreationTemplateId`	**Type** reference **Properties** Filter, Nillable, Update

Field	Details
	Description The ID of the email template used when email is sent to a Self-Service user when he or she creates a case.
`SelfServiceEnabledForResponseRules`	**Type** boolean **Properties** Filter, Nillable, Update **Description** Indicates whether the Self-Service portal is enabled for auto-response rules (`true`) or not (`false`).
`SelfServiceFeatureConfig`	**Type** int **Properties** Filter, Nillable, Update **Description** An integer representing the active Self-Service feature configuration for this organization.
`SelfServiceLogoutUrl`	**Type** url **Properties** Filter, Nillable, Update **Description** The Web page that displays when a Self-Service user logs out of the Self-Service portal.
`SelfServiceMaxNumSuggestions`	**Type** int **Properties** Filter, Nillable, Update **Description** The maximum number of suggested solutions allowed for a Self-Service case.
`SelfServiceNewCommentCheckedByDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Update

Field	Details
	Description If `true`, When a customer notification is automatically sent when a new comment is added to a case.
`SelfServiceNewCommentTemplateId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the email template used to send a notification to Self-Service users when a public comment is added to one of their cases.
`SelfServiceNewPassTemplateId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the email template used when new passwords are generated for Self-Service users.
`SelfServiceNewUserTemplateId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the email template used when new Self-Service users are enabled.
`SelfServicePageHeight`	**Type** int **Properties** Filter, Nillable, Update **Description** The maximum height in pixels of Self-Service pages.
`SelfServicePageWidth`	**Type** int **Properties** Filter, Nillable, Update **Description** The maximum width in pixels of Self-Service pages.

Field	Details
SelfServiceSelfClosedCaseStatus	**Type** picklist **Properties** Filter, Nillable, Update **Description** The default status for cases closed by Self-Service users.
SelfServiceSolutionCategoryAvailable	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether solution categories are available in the Self-Service portal (`true`) or not (`false`).
SelfServiceSolutionCategoryStartNodeId	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the top-level category in the Self-Service portal.
SelfServiceSolutionPlural	**Type** string **Properties** Filter, Nillable, Update **Description** The plural version of the term used to represent the Solution object in the Self-Service portal.
SelfServiceSolutionSingle	**Type** string **Properties** Filter, Nillable, Update **Description** The singular version of the term used to represent the Solution object in the Self-Service portal.
SelfServiceStyleSheetUrl	**Type** url **Properties** Filter, Nillable, Update

Field	Details
	Description The public URL of your organization's Self-Service portal stylesheet.
`SelfServiceWelcomePageConfig`	**Type** int **Properties** Filter, Nillable, Update **Description** Integer that represents the welcome page configuration for the Self-Service portal.
`SelfServiceWelcomeText`	**Type** string **Properties** Filter, Nillable, Update **Description** The custom welcome message displayed at the top of the Self-Service home page when Self-Service users log in. Limit: 32,000 characters.
`SignupCountryIsoCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ISO country code specified by the user for a sign-up request.
`State`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** State of the address of the organization. Limit: 80 characters.
`StateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the organization's address.

Field	Details
Street	**Type** textarea **Properties** Filter, Group, Nillable, Sort, Update **Description** Street address for the organization. Limit: 255 characters.
TrialExpirationDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date that this organization's trial license expires.
TimeZoneSidKey	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Identifies the default time zone of the organization.
UiSkin	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The user interface theme selected for the organization.
UsesStartDateAsFiscalYearName	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the calendar year when the fiscal year begins is referred to as the year of the company's fiscal year (`true`) or not (`false`). For example, if the fiscal year begins in February 2006, a `true` value means the fiscal year is FY2006, and a `false` value means the fiscal year is FY2007.
UsesWebToCase	**Type** boolean

Field	Details
	Properties Filter, Nillable, Update **Description** Indicates whether this organization can use Web-to-Case (`true`) or not (`false`).
`UsesWebToLead`	**Type** boolean **Properties** Filter, Nillable, Update **Description** Indicates whether this organization can use Web-to-Lead (`true`) or not (`false`).
`WebToCaseAssignedEmailTemplateId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the email template used when a new case is assigned to a user via Web-to-Case.
`WebToCaseCreatedEmailTemplateId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the email template used when a new case is created via Web-to-Case.
`WebToCaseDefaultCreatorId`	**Type** reference **Properties** Filter, Nillable, Update **Description** The ID of the user specified as the default creator of cases created via Web-to-Case.
`WebToCaseDefaultOrigin`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update

Field	Details
	Description The default value for the **Case Origin** field on cases submitted via Web-to-Case. Limit: 40 characters.

Usage

Query this object to obtain information about an organization's settings. Only one organization object exists per organization.

SEE ALSO:

Object Basics

OrgDeleteRequest

Represents a request to delete a developer edition (DE) org. This object is available in API version 42.0 and later. It is available only in Developer and Database.com editions.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The auto-generated ID of this OrgDeleteRequest object.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** The ID of the user who initiated the org delete request.
`RequestType`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort **Description** Specifies whether you want to deactivate or reactivate the org. When you deactivate an org, you have 30 days to change your mind and reactivate it. After 30 days, the org is locked, and you must contact Salesforce Customer Support to reactivate it. After 60 days, the org is permanently deleted from Salesforce servers. Valid values: • `Deactivate` • `Reactivate`

OrgWideEmailAddress

Represents an organization-wide email address for user profiles.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Address`	**Type** email **Properties** Create, Filter, Sort, Update **Description** The organization-wide email address.
`IsAllowAllProfiles`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, any user profile in your organization can use this object. If `false`, only specified user profiles can use this object when sending email. If you do not have the appropriate user profile, you can't use this object.

Field	Details
DisplayName	**Type** string **Properties** Create, Filter, Sort, Update **Description** The name that is used to identify the sender of the email.

Usage

This object represents an email alias for user profiles. You can pass in the ID to an OrgWideEmailAddress record when calling `sendEmail()` for a SingleEmailMessage.

OutOfOffice

Represents a user-set value on a profile that shows when the user intends to be out of the office. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `undelete()`, `upsert()`, `update()`

Special Access Rules

In Lightning Experience, lets users set a message next to their name in Chatter to show when they plan to be out of the office. The message appears in Lightning Experience, Salesforce Classic, and mobile views. Messages expire automatically after their end date. You can control whether out-of-office functionality is available to your users. Set it up in the Out of Office section in **Setup** > **Chatter Settings**.

Only internal users can set an out-of-office message.

Fields

Field Name	Details
EndDate	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date of the last day a person is out of the office. After the message expires, it goes away automatically.

Field Name	Details
IsEnabled	**Type** boolean **Properties** Create, Defaulted on create **Description** Indicates whether an out-of-office message can be displayed for a user. The default value is `true`.
Message	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The message portion of the out-of-office message. This text, along with start and end dates, is appended to the user's name in the Salesforce user interface. The maximum length of this string is 40 characters.
StartDate	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date of the first day a person is out of the office.
UserId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user associated with the out-of-office message.

Usage

- Maximum message length is 40 characters.
- Users can set only their own out-of-office message. An admin can set an out-of-office message for any user.
- The out-of-office message can be set only for internal users.

OwnedContentDocument

Represents a file owned by a user. This object is available in version 30.0 and later.

Supported Calls

`describeSObjects()`

Fields

Field Name	Details
`ContentDocumentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the document.
`ContentSize`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Size of the document in bytes.
`ContentUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** URL for links and Google Docs. This field is set only for links and Google Docs, and is one of the fields that determine the `FileType`. This field is available in API version 31.0 and later.
`ExternalDataSourceName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in API version 32.0 and later.
`ExternalDataSourceType`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** Type of external data source in which the document is stored. This field is set only for external documents that are connected to Salesforce. This field is available in API version 35.0 and later.
`FileExtension`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** File extension of the document. This field is available in API version 31.0 and later.
`FileType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Type of document, determined by the file extension.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the owner of the document.
`Title`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** Title of the document.

OwnerChangeOptionInfo

Represents default and optional actions that can be performed when a record's owner is changed. Available in API version 35.0 and later, but to query for change owner metadata, use the OwnerChangeOptionInfo object in Tooling API instead. For more information, see OwnerChangeOptionInfo in the Tooling API.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Use `EntityId` or `DurableId` when querying this object.

PackageLicense

Represents a license for an installed managed package. This object is available in API version 31.0 and later.

Supported Calls

`query()`, `retrieve()`

Fields

Field Name	Details
`AllowedLicenses`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of users allowed to use the package.
`ExpirationDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the package license expires.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Sort **Description** The namespace prefix associated with the package.

Field Name	Details
Status	**Type** picklist **Properties** Filter, Group, Sort **Description** The status of the license. Possible values are: `Active`, `Expired`, `Free`, and `Trial`.
UsedLicenses	**Type** int **Properties** Create, Filter, Nillable, Sort **Description** The number of users who have a license to the package.

Usage

Use this object to determine the number of licenses allowed and in use for a managed package installed in your organization.

The following example demonstrates the use of the API to manage licenses for a package. The example defines an Apex class that does the following.

- Retrieves the PackageLicense record for the specified package (identified by its namespace prefix).
- Defines a function that returns a list of all users with the specified profile.
- Creates a UserPackageLicense record for each user with that profile, which has the effect of assigning a license for the package to all users with that profile.
- Returns an error message if the number of users exceeds the number of available licenses.

```
public class AssignPackageLicense {

    static String PACKAGE_NAMESPACE_PREFIX = 'acme_101';
    static String PROFILE_ID = '00exx000000jz1SAAQ';
    public static String exceptionText {get; set;}

    public AssignPackageLicense() {
         exceptionText = 'Initialized';
    }

   static List<User> getUsersWithProfile(){
      String userQuery = 'SELECT Id FROM User WHERE ProfileId = :PROFILE_ID';
      List<User> matchingUsers = new List<User>();
      matchingUsers = [SELECT Id FROM User WHERE ProfileId = :PROFILE_ID];
      return matchingUsers;
    }

    public static void assignLicenseByProfile() {
        //find the PackageLicense Id
        PackageLicense pl = [SELECT Id, NamespacePrefix, AllowedLicenses, UsedLicenses,
```

```
            ExpirationDate,Status FROM PackageLicense WHERE
            NamespacePrefix = :PACKAGE_NAMESPACE_PREFIX];
      System.assert(pl != null, 'PackageLicense cannot be null.');
      List<User> usersToAssignLicenses = getUsersWithProfile();
      List<UserPackageLicense> firstUPLs = new List<UserPackageLicense>();

      //create a new UserPackageLicense record for each user with the specified profile

      for (Integer i = 0; i< usersToAssignLicenses.size(); i++){
            UserPackageLicense upl = new UserPackageLicense();
            upl.PackageLicenseId = pl.Id;
            upl.UserId = usersToAssignLicenses[i].Id;
            firstUPLs.add(upl);
      }

      try {
        //bulk insert
        insert(firstUPLs);
        } catch(DmlException e) {
           for (Integer i = 0; i < e.getNumDml(); i++) {
           // process exception here
             System.debug(e.getDmlMessage(i));
             String status = e.getDmlStatusCode(i);
             System.debug(status + ' ' + e.getDmlMessage(i));
             if(status.equals('LICENSE_LIMIT_EXCEEDED')){
              exceptionText = 'You tried to assign more licenses than available. '
              +' You tried to create '+ firstUPLs.size()+' licenses but only have '
              + (pl.AllowedLicenses - pl.UsedLicenses) + ' licenses free.';
              System.debug(exceptionText);
             }
           }
       }
   }
}
```

PackagePushError

Represents an error encountered during a push request. The number of PackagePushError records created depends on the number of push jobs in the request that result in an error.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
ErrorDetails	**Type** string

Field Name	Details
	Properties Nillable, Sort **Description** Explanation of the error.
`ErrorMessage`	**Type** string **Properties** Nillable, Sort **Description** The error code that appears in the API.
`ErrorSeverity`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Valid values are: • Error • Warning
`ErrorTitle`	**Type** string **Properties** Nillable, Sort **Description** The error message title that appears in the API.
`ErrorType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Valid values are: • ApexTestFailure • DeployError • FeatureMissing • IneligibleUpgrade • LimitExceeded • LockingFailure

Field Name	Details
	• PACError • UnclassifiedError
`PackagePushJobId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. The parent push job record ID.

Usage

Suppose that your push upgrade request wasn't successful due to some of its jobs failing. Let's write some code to find out what those errors were.

This code sample uses the Web Services Connector (WSC).

```
// Retrieves all PackagePushError objects associated with the PackagePushJob with the given
// ID
final String PACKAGE_PUSH_ERROR_QUERY = "Select ErrorMessage, ErrorDetails, ErrorTitle,"

+ " ErrorSeverity, ErrorType from PackagePushError where PackagePushJobId = '%s'";

// job is a PackagePushJob instance
QueryResult queryResult = conn.query(String.format(PACKAGE_PUSH_ERROR_QUERY, job.getId()));

StringBuilder errorMessages = new StringBuilder();
errorMessages.append("Errors for PackagePushJob [").append(job.getId()).append("]:")
 .append("\n");

// There can be multiple PackagePushErrors for a given PackagePushJob
for(SObject r : queryResult.getRecords()) {
 PackagePushError e = (PackagePushError) r;
 errorMessages.append("Title: ").append(e.getErrorTitle()).append("\n");
 errorMessages.append("Severity: ").append(e.getErrorSeverity()).append("\n");
 errorMessages.append("Type: ").append(e.getErrorType()).append("\n");
 errorMessages.append("Message: ").append(e.getErrorMessage()).append("\n");
 errorMessages.append("Details: ").append(e.getErrorDetails()).append("\n");
 errorMessages.append("\n");
}

String errors errorMessages.toString();
```

PackagePushJob

Represents an individual push job for upgrading a package in an org from one version to another version. There can be multiple push jobs created for one push request. For example, if you want to upgrade five orgs as part of one push, you have one PackagePushRequest record and five PackagePushJob records.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`PackagePushRequestId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required. The ID of the parent push request record which must have been created.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The status of the job. Valid values are: • Canceled • Created (default) • Failed • In Progress • Pending • Succeeded Don't specify this value when you create the push job. The default value of `Created` is used.
`SubscriberOrganizationKey`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required. The organization key of the org where the package is upgraded. This references `orgKey` in PackageSubscriber.

Usage

Suppose that you want to push version 3.4.6 of your package to all orgs. You've already identified the orgs eligible for the upgrade by using MetadataPackageVersion and created the push request using PackagePushRequest. Now let's write some code to create a push job for each eligible org.

This code sample uses the Web Services Connector (WSC).

```
PackageSubscriber[] subscribers = new PackageSubscriber[];

// ... populate eligible and desired subscribers

// Create the PackagePushJob array
PackagePushJob[] jobs = new PackagePushJob[subscribers.length];

for (int i = 0; i < subscribers.length; i++) {
 // create a job for each subscriber...
 PackagePushJob job = new PackagePushJob();
 // ... associate it to the PackagePushRequest ppr...
 job.setPackagePushRequestId(ppr.getId());
 // ... and add the orgKey
 job.setSubscriberOrganizationKey(subscribers[i].getOrgKey());
 jobs[i] = job;
}

// Save the jobs
SaveResult[] saveResults = conn.create(jobs);

// Add the newly generated id's to the PackagePushJob objects
for (int i = 0; i < saveResults.length; i++) {
 if (saveResults[i].isSuccess()) {
  jobs[i].setId(saveResults[i].getId());
 }
}
```

Or, if you're using REST API, submit a POST request to the PackagePushJob sObject endpoint, as in the following example. SOAP API is also supported. This example returns the push job ID (starting with 0DX) that is required to query the status of the job.

```
POST
/services/data/v38.0/sobjects/packagepushjob/
{
   "PackagePushRequestId" : "0DV...",
   "SubscriberOrganizationKey" : "00DR00..."
}
```

Checking the Status of a Push Job

To check the job status, simply query the `Status` field. For example:

```
SELECT Id, Status FROM PackagePushJob WHERE PackagePushRequestId ='0DV...'
```

Here's an example in Java.

```
// Finds the status of the PackagePushJob with the given id
String PACKAGE_PUSH_JOB_STATUS_QUERY = "Select status from PackagePushJob where Id = '%s'";

// job is a PackagePushJob instance
```

```
QueryResult queryResult = conn.query(String.format(PACKAGE_PUSH_JOB_STATUS_QUERY,
job.getId()));

// extract the status from the QueryResult
String status = ((PackagePushJob) queryResult.getRecords()[0]).getStatus();

// optionally, update the PackagePushJob instance with the latest status
job.setStatus(status);
```

You can also continuously poll the job status until the job is done. The following Java example polls the status every 10 seconds.

```
// The set of states that indicate a PackagePushJob has completed
final Set<String> TERMINAL_STATES = new HashSet<>();
TERMINAL_STATES.add("Succeeded");
TERMINAL_STATES.add("Failed");
TERMINAL_STATES.add("Canceled");

String status = queryJobStatus(job); // this method returns the status as retrieved in the
 previous code sample

// If the status is not one of the completed statuses...
while(!TERMINAL_STATES.contains(status)) {
 Thread.sleep(10 * 1000); // ... wait 10 seconds and try again
 status = queryJobStatus(job);
}
```

PackagePushRequest

Represents the push request for upgrading a package in one or many orgs from one version to another version.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
PackageVersionId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required. The non-beta, non-deprecated package version that the package is being upgraded to.
ScheduledStartTime	**Type** dateTime

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The date and time (UTC) at which the push request is processed, in ISO 8601 format. Set this value to the earliest time that you want Salesforce to attempt to start the push. As a best practice, schedule pushes at off-peak hours like 1:00 AM Saturday. If you don't specify a value, the push starts when the package push request's Status is set to `Pending`.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The status of the push. Valid values are: • Canceled • Created (default) • Failed • In Progress • Pending • Succeeded Don't specify this value when you create the push request. The default value of Created is used. Later, change the status to Pending to schedule the push upgrade.

Usage

Suppose that you want to push version 3.4.6 of your package to all orgs. You've already identified the orgs eligible for the upgrade by using MetadataPackageVersion. Now let's write some code to create a push request, which holds a push job for each eligible org.

This code sample uses the Web Services Connector (WSC).

```
// Create a new PackagePushRequest for the versionId to upgrade to
// (for example, versionId is the "04t..." id of version
// 3.4.6 of the package
PackagePushRequest ppr = new PackagePushRequest();
ppr.setPackageVersionId(versionId);

// Optionally, set the start time of the PackagePushRequest to schedule it to begin
// automatically; scheduledStartTime is a java.util.Calendar instance
ppr.setScheduledStartTime(scheduledStartTime);

// Save the PackagePushRequest
SaveResult[] saveResults = conn.create(new SObject[] { ppr });
if (saveResults[0].isSuccess()) {
 // Add the newly generated Id to the object
```

```
 ppr.setId(saveResults[0].getId());
} else {
 for (Error error : saveResults[0].getErrors()) {
  System.out.println(error.getMessage());
 }
}
```

Or, if you're using REST API, submit a POST request to the PackagePushRequest sObject endpoint, as in the following example. SOAP API is also supported.

This example returns the push request ID (starting with 0DV) that's required to create push jobs.

```
POST
/services/data/v38.0/sobjects/packagepushrequest/
{
   "PackageVersionId" : "04t...",
   "ScheduledStartTime" : "2016-08-24T21:00:00"
}
```

As your next step, create a push job for each eligible subscriber you want to upgrade using PackagePushJob.

Scheduling the Push Upgrade

To signal that the push upgrade is ready to be processed, change the status of the push request to Pending. If you didn't set a `ScheduledStartTime`, the push upgrade starts immediately after you change the status.

See the following Java example.

```
// ppr is the PackagePushRequest instance
ppr.setStatus("Pending");
conn.update(new SObject[] { ppr });
```

If you're using REST API, submit a PATCH request to the PackagePushRequest sObject endpoint, as in the following example. SOAP API is also supported.

```
PATCH
/services/data/v38.0/sobjects/packagepushrequest/0DV...
{
   "Status" : "Pending"
}
```

Checking the Status of a Push Request

The PackagePushRequest status is `Succeeded` if all its associated jobs are successful; it's `Failed` if at least one job failed.

```
// Finds the status of the PackagePushRequest for a given Id
final String PACKAGE_PUSH_REQUEST_STATUS_QUERY = "Select status from PackagePushRequest"
+
 " where Id = '%s'";

// ppr is a PackagePushRequest instance
QueryResult queryResult = conn.query(String.format(PACKAGE_PUSH_REQUEST_STATUS_QUERY,
 ppr.getId()));

// extract the status from the QueryResult
String status = ((PackagePushRequest) queryResult.getRecords()[0]).getStatus();

// optionally, update the PackagePushRequest instance with the latest status
ppr.setStatus(status);
```

You can also check the status of a job by querying the PackagePushJob's `Status` field.

Aborting a Push Request

You can abort a package push request by changing its status to Canceled.

For example, if you're using the REST API, submit a PATCH request to the PackagePushRequest sObject endpoint.

```
PATCH
/services/data/v38.0/sobjects/packagepushrequest/0DV...
{
   "Status" : "Canceled"
}
```

The following example is for Java.

```
// ppr is the PackagePushRequest instance
ppr.setStatus("Canceled");
```

You can abort a package push request only if its status is Created or Pending. If the abort succeeds, all associated push jobs are also canceled. If you try to abort when the current PackagePushRequest status is Canceled, Succeeded, Failed, or In Progress, the abort does not occur, and an error message is returned.

PackageSubscriber

Represents an installation of a package in an org. This object contains installation information for managed packages developed in the org you're logged in to.

One record is created per installation. For example, if 5 orgs installed 2 packages, 10 records are created.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`InstalledStatus`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** If the package is installed in the org, the value is `i`.
`InstanceName`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The instance that hosts the subscriber org.
`MetadataPackageVersionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character package version ID starting with `04t`.
`OrgKey`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The 18-character ID that represents the Salesforce org.
`OrgName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the org where the package is installed.
`OrgStatus`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Valid values are: • `Active` • `Demo` • `Free` • `Inactive` • `Trial` Orgs with an `OrgStatus` of `Inactive` can't receive push upgrades.
`OrgType`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** Valid values are: • `Production` • `Sandbox`

Usage

Here are examples of the types of API queries you can perform.

Query	String
Get all package subscriber orgs with a specific package ID	`SELECT Id, OrgKey, OrgStatus, OrgName, OrgType FROM PackageSubscriber WHERE MetadataPackageVersionId = '04t...'`
Get all package subscriber orgs that have an installed package created by the org you're logged in to	`SELECT Id, OrgKey, OrgStatus, OrgName, OrgType FROM PackageSubscriber WHERE InstalledStatus = 'i'`

Filter PackageSubscriber Objects by Instance

If you have packages with many subscribers, querying PackageSubscriber objects can take a while. To improve query performance, add filters to your PackageSubscriber queries, such as an `InstanceName` filter. `InstanceName` is a field that represents the instance that the subscriber org is hosted on.

1. Get the org's managed package and the latest released version of the package.

```
/**
* Get the MetadataPackage object corresponding to this org's managed package
*/
public MetadataPackage getMetadataPackage() throws ConnectionException {
 // retrieve the managed package, which won't have an empty namespace
 QueryResult result = conn.query("select id from  MetadataPackage where namespaceprefix
 <> ''");

 return (MetadataPackage) result.getRecords()[0];
}

/**
* Get the latest MetadataPackageVersion object of the given MetadataPackage
*/
public MetadataPackageVersion getLatestMetadataPackageVersion(MetadataPackage
metadataPackage)
throws ConnectionException {
 // get the latest released version of the given package
 String query = "Select id, ReleaseState, MajorVersion, MinorVersion, PatchVersion,
```

```
MetadataPackageId"
  + " From MetadataPackageVersion"
  + " Where MetadataPackageId = '%s' and ReleaseState = 'Released'"
  + " Order by majorversion desc, minorversion desc, patchversion desc";

 QueryResult result = conn.query(String.format(query, metadataPackage.getId()));

 return (MetadataPackageVersion) result.getRecords()[0];
}
```

2. Get eligible subscribers. The following query strings and methods are modified to allow querying for PackageSubscribers filtered by an instance.

```
static final String PACKAGE_SUBSCRIBER_ORG_KEY_QUERY = "Select OrgKey from
PackageSubscribers where OrgStatus = 'Active'"
 + " and InstalledStatus = 'I'"
 + " and InstanceName = '%s'"; // placeholder for instance values

static final String METADATA_PACKAGE_VERSION_QUERY = "Select Id, Name, ReleaseState,
(%s) from MetadataPackageVersion"
 + " where MetadataPackageId = '%s' AND ReleaseState = 'Released'"
 + " AND (MajorVersion < %s OR (MajorVersion = %s and MinorVersion < %s)"
 + " OR (MajorVersion = %s and MinorVersion = %s and PatchVersion < %s))";

/**
* Get all PackageSubscribers on the given instance that are eligible to upgrade to the
 given
* MetadataPackageVersion
*/
public PackageSubscriber[] getEligibleSubscriberIds(MetadataPackageVersion version,
String instanceName) throws ConnectionException {
 String allPackageId = version.getMetadataPackageId();
 Integer major = version.getMajorVersion();
 Integer minor = version.getMinorVersion();
 Integer patch = version.getPatchVersion();

 return getEligibleSubscriberIds(major, minor, patch, allPackageId, instanceName);
}
```

```
public PackageSubscriber[] getEligibleSubscriberIds(Integer major, Integer minor, Integer
 patch, String packageId, String instanceName) throws ConnectionException {
 String subscriberQuery = String.format(PACKAGE_SUBSCRIBER_ORG_KEY_QUERY, instanceName);
QueryResult results = conn.query(String.format(METADATA_PACKAGE_VERSION_QUERY,
subscriberQuery, packageId, major, major, minor, major, minor, patch));

 return Arrays.stream(results.getRecords()).map(MetadataPackageVersion.class::cast)
  .filter(mpv -> mpv.getPackageSubscribers() != null)
  .flatMap(mpv -> Arrays.stream(mpv.getPackageSubscribers().getRecords()))
  .map(PackageSubscriber.class::cast)
  .toArray(PackageSubscriber[]::new);
}
```

3. Put it all together. The following code sample shows how to use the previous methods to modify the workflow to perform package pushes by instance.

```
String[] instances = { "NA4" }; // Here we list the instances we would like to push to
MetadataPackage metadataPackage = api.getMetadataPackage();
MetadataPackageVersion version = api.getLatestMetadataPackageVersion(metadataPackage);

// do pushes by instance to avoid API timeouts retrieving PackageSubscribers
for (String instanceName : instances) {
PackageSubscriber[] eligibleSubscribers = api.getEligibleSubscriberIds(version,
instanceName);

// ... proceed with creating PushRequests and PushJobs as before
```

Partner

Represents a partner relationship between two Account records or between an Opportunity and an Account.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- You must have the "View All Data" permission to access this object via the API. All of the Partner fields are accessible in the `describeSObjects()` and `query()` calls. You cannot `update()` or `upsert()` partners via the API.
- Customer Portal users can't access this object.

Fields

Field	Details
`AccountFromId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required if `OpportunityId` is null. ID of the main Account in a partner relationship between two accounts. Specifying this field when creating a Partner record creates two AccountPartner objects, one for each direction of the relationship. If you specify the `OpportunityId` field, you can't specify this field as well.
`AccountToId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description Required. ID of the Partner Account related to either an opportunity or an account. You must specify this field when creating an opportunity Partner or an Account Partner.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsPrimary`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Valid for Opportunity Partners only. Indicates that the account is the primary partner for the opportunity. Only one account can be marked as primary for an opportunity. If you set this field to 1 (`true`) upon insert of a new opportunity partner, any other primary partners for that opportunity will automatically have this field set to 0 (`false`). Label is **Primary**.
`OpportunityId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required if `AccountFromId` is null. ID of the Opportunity in a partner relationship between an Account and an Opportunity. Specifying this field when creating a record creates an OpportunityPartner. If you specify the `AccountFromId` field, you can’t specify this field as well.
`Role`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, **Description** UserRole that the account has towards the related opportunity or account, such as consultant or distributor.

Roles

In the Salesforce user interface, system administrators can set up the valid role values and their corresponding reverse role values in the PartnerRole object. Each account in the relationship is assigned a `Role` (such as `Consultant` or `Distributor`) designating that account's role towards the related account or opportunity.

Creating an Account-Opportunity Partner Relationship

When you create a partner relationship between an account and an opportunity (when you create a Partner object and specify the `OpportunityId` field), the API automatically creates an OpportunityPartner with the corresponding values:

- The value of the Partner field `AccountToId` maps to the value of the OpportunityPartner field `AccountToId`.
- The values of the `OpportunityId`, `Role`, and `IsPrimary` fields in both objects are the same.
- If you set the `IsPrimary` value to 1 (`true`) upon insert of a new OpportunityPartner, any other existing primary partners for that opportunity will automatically have the `IsPrimary` value set to 0 (`false`).

This mapping allows the API to manage the objects and their relationship efficiently.

Creating an Account-Account Partner Relationship

When you create a partner relationship between two accounts (when you create a Partner object and specify the `AccountFromId`), the API automatically creates two AccountPartner objects, one for the forward relationship and one for the reverse. For example, if you create a Partner object with "Acme, Inc." as the `AccountFromId` and "Acme Consulting" as the `AccountToId`, the API automatically creates two AccountPartner objects:

- The forward relationship AccountPartner with "Acme, Inc." as the `AccountFromId` and "Acme Consulting" as the `AccountToId`.
- The reverse relationship AccountPartner with "Acme Consulting" as the `AccountFromId` and "Acme, Inc." as the `AccountToId`.
- The value of the `Role` field in the reverse relationship AccountPartner is set to the PartnerRole object `ReverseRole` value associated with the value of the `Role` field in the forward relationship AccountPartner.

This mapping allows the API to manage the objects and their relationship efficiently.

SEE ALSO:

AccountPartner

OpportunityPartner

UserRole

PartnerRole

PartnerFundAllocation

Represents allocated funds from a partner marketing budget for channel partners. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
Amount	**Type** currency **Properties** Create, Filter, Sort, Update **Description** Total amount of the allocation.
BudgetId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the partner marketing budget.
ChannelPartnerId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the channel partner.
Description	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the allocation.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the allocation.
`Title`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The title of the allocation.
`TotalApprovedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of approved fund claims.
`TotalApprovedFrs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of approved fund requests.
`TotalReimbursedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of reimbursed fund claims.

PartnerFundAllocationFeed

Represents a single feed item on a partner fund allocation feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.

Field Name	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are: • `NetworkId`—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`. • Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund allocation.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.

Field Name	Details
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed.

Field Name	Details
	• `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item.

Field Name	Details
	• `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

PartnerFundAllocationHistory

Represents the history of changes to the values in the fields of a partner fund allocation object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort

Field Name	Details
	Description Old value of the field that was changed.
PartnerFundAllocationId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund allocation.

PartnerFundAllocationOwnerSharingRule

Represents a rule for sharing a partner fund allocation object with users other than the owner. This object is available in API version 41.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines the level of access users have to records. Values are: • Read Only • Read/Write
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description Description of the sharing rule. Maximum length is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the source group. Records that are owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the UI. Maximum length is 80 characters.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description ID of the user or group that you are granting access to.

SEE ALSO:

PartnerFundAllocation

PartnerFundAllocationShare

Metadata API Developer Guide: SharingRules

PartnerFundAllocationShare

Represents a sharing entry on a partner fund allocation record. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include:

Field Name	Details
	• `Manual`—The user or group has access because a user with All access manually shared the partner fund allocation record with them. • `Owner`—The user is the owner of the partner fund allocation record or is in a role above the partner fund allocation record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the partner fund allocation.

PartnerFundClaim

Represents a claim of funds from the partner marketing budget by a channel partner. This object is available in API version 41.0 and later.

Supported Calls

`create()` `delete()` `describeLayout()` `describeSObjects()` `getDeleted()` `getUpdated()` `query()` `retrieve()` `search()` `update()`, `upsert()`

Fields

Field Name	Details
`AllocationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the partner fund allocation.
`Amount`	**Type** currency **Properties** Create, Filter, Sort, Update **Description** Amount of the claim.
`BudgetId`	**Type** reference

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** ID of the partner marketing budget.
ChannelPartnerId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the channel partner.
Description	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the fund claim.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the fund claim.

Field Name	Details
RequestId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the partner fund request.
Status	**Type** picklist **Properties** Create, Filter, Group, Nillable Restricted picklist, Sort, Update **Description** Status of the fund claim. Values are: • Draft • Approved • Rejected • Paid
Title	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Title of the fund claim.

PartnerFundClaimFeed

Represents a single feed item on a partner fund claim feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>`

Field Name	Details
	• `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are: • `NetworkId`—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`.

Field Name	Details
	• Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund claim.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field Name	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object.

Field Name	Details
	• `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

PartnerFundClaimHistory

Represents the history of changes to the values in the fields of a partner fund claim object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Old value of the field that was changed.
`PartnerFundClaimId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund claim.

PartnerFundClaimOwnerSharingRule

Represents a rule for sharing a partner fund claim object with users other than the owner. This object is available in API version 41.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines the level of access users have to records. Values are: • `Read Only` • `Read/Write`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the sharing rule. Maximum length is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the source group. Records that are owned by users in the source group trigger the rule to give access.

Field Name	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the UI. Maximum length is 80 characters.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that you are granting access to.

SEE ALSO:

PartnerFundClaim

PartnerFundClaimShare

Metadata API Developer Guide: SharingRules

PartnerFundClaimShare

Represents a sharing entry on a partner fund claim record. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
ParentId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the partner fund claim record with them. • `Owner`—The user is the owner of the channel program record or is in a role above the partner fund claim record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the partner fund claim record.

PartnerFundRequest

Represents a request for funds from the partner marketing budget by a channel partner. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()` `describeLayout()` `describeSObjects()` `getDeleted()` `getUpdated()` `query()` `retrieve()` `search()` `update()`, `upsert()`

Fields

Field Name	Details
`Activity`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Activity that is covered by the funds, for example, a trade show or seminar.
`AllocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the partner fund allocation.
`Amount`	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Approved amount of request.
`BudgetId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the partner marketing budget.
`CampaignId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the related campaign, if there is one.
`ChannelPartnerId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the channel partner.
`Description`	**Type** textarea

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Description of the fund request.
DesiredOutcome	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Desired outcome if requested funds are used.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the fund request.
RequestedAmount	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Amount of the fund request.

Field Name	Details
`Status`	**Type** picklist **Properties** Create, Filter, Nillable, Group, Restricted picklist, Sort, Update **Description** Status of the fund request. Values are: • `Draft` • `Approved` • `Rejected`
`Title`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Title of the fund request.
`TotalApprovedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of approved fund claims.
`TotalReimbursedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of reimbursed fund claims.

PartnerFundRequestFeed

Represents a single feed item on a partner fund request feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist

Field Name	Details
	Properties Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are: • `NetworkId`—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`. • Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund request.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

Field Name	Details
	The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

PartnerFundRequestHistory

Represents the history of changes to the values in the fields of a partner fund request object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Old value of the field that was changed.
`PartnerFundRequestId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner fund request.

PartnerFundRequestOwnerSharingRule

Represents a rule for sharing a partner fund request object with users other than the owner. This object is available in API version 41.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines the level of access users have to records. Values are: • `Read Only` • `Read/Write`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the sharing rule. Maximum length is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.

Field Name	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the source group. Records that are owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the UI. Maximum length is 80 characters.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that you are granting access to.

SEE ALSO:

PartnerFundRequest

PartnerFundRequestShare

Metadata API Developer Guide: SharingRules

PartnerFundRequestShare

Represents a sharing entry on a partner fund request record. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • `Manual`—The user or group has access because a user with All access manually shared the partner fund request record with them. • `Owner`—The user is the owner of the channel program record or is in a role above the partner fund request record owner in the role hierarchy.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the partner fund request record.

PartnerMarketingBudget

Represents a budget that provides funds to channel partners for selling and marketing products and services. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
`Amount`	**Type** currency **Properties** Create, Filter, Sort, Update **Description** Total amount of the budget.
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the budget.
`EndDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** Date when the budget is no longer available.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the budget.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** Date when the budget becomes available.
`Title`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Title of the budget.
`TotalAllocatedAmount`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total funds allocated to channel partners or as a fund pool.
`TotalApprovedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of approved fund claims.
`TotalApprovedFrs`	**Type** currency

Field Name	Details
	Properties Filter, Nillable, Sort **Description** Total amount of approved fund requests.
`TotalReimbursedFcs`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Total amount of reimbursed fund claims.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Type of budget. Values are: • `Co-Operated Budget`—Funds accrue based on a percentage of partner sales. The funds are available based on previous activity. • `Marketing Funds`—Funds are issued to partners in advance of sales. The funds are awarded based on predicted or expected behavior.

PartnerMarketingBudgetFeed

Represents a single feed item on a partner marketing budget feed. This object is available in API version 41.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

> Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>`

Field Name	Details
	• `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. Values are: • `NetworkId`—The ID of the community in which the feed item is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`.

Field Name	Details
	• Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the partner marketing budget.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Values are: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field Name	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object.

Field Name	Details
	• `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. Values are: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

PartnerMarketingBudgetHistory

Represents the history of changes to the values in the fields of a partner marketing budget object. Access is read-only. This object is available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Old value of the field that was changed.
`PartnerMarketingBudgetId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of partner marketing budget.

PartnerMarketingBudgetOwnerSharingRule

Represents a rule for sharing a partner marketing budget object with users other than the owner. This object is available in API version 41.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Determines the level of access users have to records. Values are: • Read Only • Read/Write
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the sharing rule. Maximum length is 1000 characters.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the source group. Records that are owned by users in the source group trigger the rule to give access.

Field Name	Details
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the UI. Maximum length is 80 characters.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that you are granting access to.

SEE ALSO:

- PartnerMarketingBudget
- PartnerMarketingBudgetShare
- *Metadata API Developer Guide*: SharingRules

PartnerMarketingBudgetShare

Represents a sharing entry on a partner marketing budget record. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The level of access allowed, for example, read or write.
ParentId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the parent record, if any.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that the sharing entry exists. Values may include: • Manual—The user or group has access because a user with All access manually shared the partner marketing budget record with them. • Owner—The user is the owner of the channel program record or is in a role above the partner marketing budget record owner in the role hierarchy.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the partner marketing budget record.

PartnerNetworkConnection

Represents a Salesforce to Salesforce connection between Salesforce organizations.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
AccountId	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description ID of the Account associated with this connection.
ConnectionName	**Type** string **Properties** Filter, idLookup, Sort **Description** A descriptive name for the connection. Limit: 295 characters.
ConnectionStatus	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of the Salesforce to Salesforce connection. The picklist includes the following values: • Sent • Received • Pending • Accepted • Rejected • Inactive • Disconnecting • ConnectionSuspended • SubscribeInProgress • UsersInitialSync • BulkSyncMetadata
ConnectionType	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The type of Salesforce to Salesforce connection. The picklist includes the following values: • Standard • Replication This field is available in API version 30.0 and later.

Field	Details
ContactId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the Contact associated with this connection.
IsSyncAuditFields	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether audit fields are synced between the primary and secondary organization in a replication connection. This field is available in API version 32.0 and later, and is only accessible in Salesforce organizations where Organization Sync is enabled.
IsSyncMetadata	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether supported types of metadata are synced from the primary to the secondary organization in a replication connection. This field is available in API version 33.0 and later, and is only accessible in Salesforce organizations where Organization Sync is enabled.
IsSyncUsers	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether users with standard Salesforce user licenses are synced between the primary and secondary organization in a replication connection. This field is available in API version 35.0 and later, and is only accessible in Salesforce organizations where Organization Sync is enabled.
PrimaryContactId	**Type** reference **Properties** Filter, Group, Sort

Field	Details
	Description ID of the User associated with this connection.
`ReplicationRole`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The role of this Salesforce organization in the replication connection. The picklist includes the following values: • `Primary` • `Secondary` This field is available in API version 30.0 and later, and is only accessible in Salesforce organizations where Organization Sync is enabled.
`ResponseDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the connection was accepted or rejected.

Usage

Represents Salesforce to Salesforce standard and replication connections. This object is referenced by all objects that have been shared with other organizations, enabling you to determine which connections shared a record with you. If the organization does not have Salesforce to Salesforce enabled, the PartnerNetworkConnection object is not available, and you can't access it via the API.

SEE ALSO:

PartnerNetworkRecordConnection

PartnerNetworkRecordConnection

Represents a record shared between Salesforce organizations using Salesforce to Salesforce.

Supported Calls

`create()`, `query()`

Fields

Field	Details
`ConnectionId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Required. ID of the connection a record is shared with.
`EndDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date that sharing of the record was stopped.
`LocalRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the shared record.
`ParentRecordId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the parent record of the shared record.
`PartnerRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the shared record in the connection's organization.
`RelatedRecords`	**Type** string **Properties** Create, Filter, Nillable, Sort

Field	Details
	Description A comma-separated list of API names for child records to be shared with a parent record.
SendClosedTasks	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Forwards closed tasks related to the shared record.
SendEmails	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Sends an email notifying the connection's representative that you have forwarded the record to them. Only new recipients of a record will receive a notification email.
SendOpenTasks	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Forwards open tasks related to the shared record.
StartDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Date that the shared record was accepted.
Status	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The status of the shared record. One of the following values: • Active (received) • Active (sent)

Field	Details
	• `Connected` • `Inactive` • `Inactive (converted)` • `Inactive (deleted)` • `Pending (sent)`

Usage

When you create a PartnerNetworkRecordConnection, you forward a record to a connection.

Note: Attempting to forward a record from an object to which the connection is not subscribed results in an `Invalid Partner Network Status` error.

When you delete a PartnerNetworkRecordConnection, you stop sharing a record with a connection.

- To share a record, use the following fields: `LocalRecordID` and `ConnectionId`
- To share a child of a parent record, use the following fields: `LocalRecordID`, `ConnectionId`, and `ParentRecordID`
- To share a child of a parent record and its child records, use the following fields: `LocalRecordID`, `ConnectionId`, `ParentRecordID`, and `RelatedRecords`

If the organization does not have Salesforce to Salesforce enabled, the PartnerNetworkRecordConnection object is not available, and you can't access it using the API.

Sample Code—Apex

The following example shows how to forward a record.

```
List<PartnerNetworkConnection)> connMap = new List<PartnerNetworkConnection>(
    [select Id, ConnectionStatus, ConnectionName from PartnerNetworkConnection
        where ConnectionStatus = 'Accepted']
);
for(PartnerNetworkConnection network : connMap) {
     PartnerNetworkRecordConnection newrecord = new PartnerNetworkRecordConnection();

    newrecord.ConnectionId = network.Id;
    newrecord.LocalRecordId = accountId;
    newrecord.RelatedRecords = 'Contact,Opportunity,Orders__c';
    newrecord.SendClosedTasks = true;
    newrecord.SendOpenTasks = true;
    newrecord.SendEmails = true;

    insert newrecord;
}
```

The following example shows how to stop sharing a record.

```
List<PartnerNetworkRecordConnection> recordConns = new List<PartnerNetworkRecordConnection>(

    [select Id, Status, ConnectionId, LocalRecordId from PartnerNetworkRecordConnection
        where LocalRecordId in :accounts]
```

```
);

    for(PartnerNetworkRecordConnection recordConn : recordConns) {
         if(recordConn.Status.equalsignorecase('Sent')){ //account is connected - outbound

             delete recordConn;
         }
    }
```

SEE ALSO:

PartnerNetworkConnection

PartnerNetworkSyncLog

Represents the Org Sync Log tab in Salesforce, where Salesforce administrators can track the replication of record inserts and updates being performed in Organization Sync. The Connection Detail page for the replication connection also displays the Org Sync Log's twenty most recent entries, and provides a link to the log.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`

Special Access Rules

The Org Sync Log tab can only be added in organizations where Organization Sync has been enabled. To add the tab to the Salesforce user interface, users must also have the "Manage Connections" user permission.

Fields

Field Name	Details
`ConnectionEvent`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The action being replicated to the partner organization, such as a record insertion.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the Salesforce to Salesforce replication connection in which the replication event succeeded or failed.

Field Name	Details
`Description`	**Type** textarea **Properties** Nillable **Description** A description of the replication event.
`EntityType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The type of record being inserted or updated.
`Error`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The code used to describe the replication failure or success.
`LocalRecord`	**Type** string **Properties** Filter, Group, Sort **Description** The record being inserted or updated.
`Status`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** An item is added to the Organization Sync Log if it failed to be replicated to the linked organization. This picklist includes the following values: • `Failed`: The replication continued to fail after multiple retries, and won't be retried further. • `Resolved`: The replication succeeded after retrying. • `Retrying`: Salesforce is retrying the replication. This field is available in API version 35.0 and later.

PartnerRole

Represents a role for an account Partner, such as consultant, supplier, and so on.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, NillableSort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this partner role value. This display value is the internal label that does not get translated. Limit: 255 characters.
`ReverseRole`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Name of the reverse role that corresponds to this partner role. For example, if the role is “subcontractor,” then the reverse role might be “general contractor.” In the user interface, assigning a partner role to an account creates a reverse partner relationship so that both accounts list the other as a partner.
`SortOrder`	**Type** int

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** Number used to sort this value in the partner role picklist. These numbers are not guaranteed to be sequential, as some previous partner role values might have been deleted.

Usage

This object represents a value in the partner role picklist. In the user interface, the partner role picklist provides additional information about the role of a Partner, such as their corresponding reverse role. Query this object to retrieve the set of values in the partner role picklist, and then use that information while processing PartnerRole records to determine more information about a given partner role. For example, the application could determine the reverse role of a given Partner `Role` value and the value of the `ReverseRole` property in the associated PartnerRole object.

SEE ALSO:

Object Basics

Period

Represents a fiscal period defined in FiscalYearSettings.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`EndDate`	**Type** date **Properties** Filter, Group, Sort **Description** The last date of the fiscal period.

Field	Details
FiscalYearSettingsId	**Type** reference **Properties** Filter, Nillable, Group, Sort **Description** The parent record for this period.
FullyQualifiedLabel	**Type** string **Properties** Group, Nillable **Description** Represents the period's complete name in the UI. For example, "September FY 2016".
IsForecastPeriod	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the period is associated with customizable forecasts (`true`) or not (`false`).
Number	**Type** int **Properties** Filter, Nillable, Group, Sort **Description** If the labeling scheme of your fiscal year's quarters or months is numbered, this field indicates the relative number of the row.
PeriodLabel	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** If the months in your fiscal year use custom names, then this field contains the appropriate name for rows of type Month.
QuarterLabel	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort

Field	Details
	Description If the quarters in your fiscal year use custom names, then this field contains the appropriate name for rows of type Quarter.
`StartDate`	**Type** date **Properties** Filter, Group, Sort **Description** The first date of the fiscal period.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates whether the period is of type Month, Quarter, Week, or Year. Label is the field value.

Usage

In API version 36.0 and earlier, querying the Period object yields no results. In API version 37.0 and later, a query returns period records.

SEE ALSO:

FiscalYearSettings

PermissionSet

Represents a set of permissions that's used to grant additional access to one or more users without changing their profile or reassigning profiles. This object is available in API version 22.0 and later.

You can use permission sets to grant access, but not to deny access.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
`Description`	**Type** string

Field Name	Details
	Properties Create, Filter, Nillable, Group, Sort, Update **Description** A description of the permission set. Limit: 255 characters.
`HasActivationRequired`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the permission set requires an associated active session (`true`) or not (`false`).
`IsCustom`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the permission set is custom (created by an admin); if `false`, the permission set is standard and related to a specific permsision set license.
`IsOwnedByProfile`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the permission set is owned by a profile. Available in API version 25.0 and later.
`Label`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The permission set label, which corresponds to **Label** in the user interface. Limit: 80 characters.
`LicenseId`	**Type** ID **Properties** Create, Filter, Group, Nillable, Sort

Field Name	Details
	Description The ID of either the related PermissionSetLicense or UserLicense associated with this permission set. Available in API version 38.0 and later. Use this field instead of `UserLicenseId`, which is deprecated and only available up to API Version 37.0.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. Corresponds to **API Name** in the user interface. Limit: 80 characters.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix for a permission set that's been installed as part of a managed package. If the permission set isn't packaged or is part of an unmanaged package, this value is empty. Available in API version 23.0 and later.
`Permissions`*`PermissionName`*	**Type** boolean **Properties** Create, Filter, Update **Description** One field for each permission. If `true`, users assigned to this permission set have the named permission. The number of fields varies depending on the permissions for the organization and license type. Tip: To get a list of available permissions in the SOAP API, use `describeSObjects()`.
`ProfileId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description If the permission set is owned by a profile, this field returns the ID of the Profile. If the permission set isn't owned by a profile, this field returns a null value. Available in API version 25.0 and later.
`UserLicenseId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the UserLicense associated with this permission set. This field is nillable in API version 26.0 and later and available up to API version 37.0 In API version 38.0 and later, use `LicenseId`.

Usage

Use the PermissionSet object to query existing permission sets.

For example, to search for all permission sets that contain the “Modify All Data” permission:

```
SELECT Name, PermissionsModifyAllData
FROM PermissionSet
WHERE PermissionsModifyAllData=true
```

When combined with the PermissionSetAssignment object, you can create a nested query that returns all users assigned to a particular permission like “Modify All Data”:

```
SELECT Name, (SELECT AssigneeId FROM Assignments)
FROM PermissionSet
WHERE PermissionsModifyAllData=true
```

You can also create a permission set, or delete a permission set if it isn't assigned to a user.

User Licenses

The user license controls the permissions that are available in a permission set.

Every permission set can be associated with a user license or permission set license. If you plan to assign a permission set to multiple users with different user and permission set licenses, leave `LicenseId` empty. If only users with one type of license will use this permission set, set the `LicenseId` to that single user or permission set license. If you want a permission set associated with a permission set license, then set `LicenseId` to the permission set license. To get the `LicenseId`, run this query:

```
SELECT Id, Name
FROM UserLicense
```

Alternatively, to query a user or profile for the `LicenseId`.

```
SELECT Id, Profile.UserLicenseId
FROM User
```

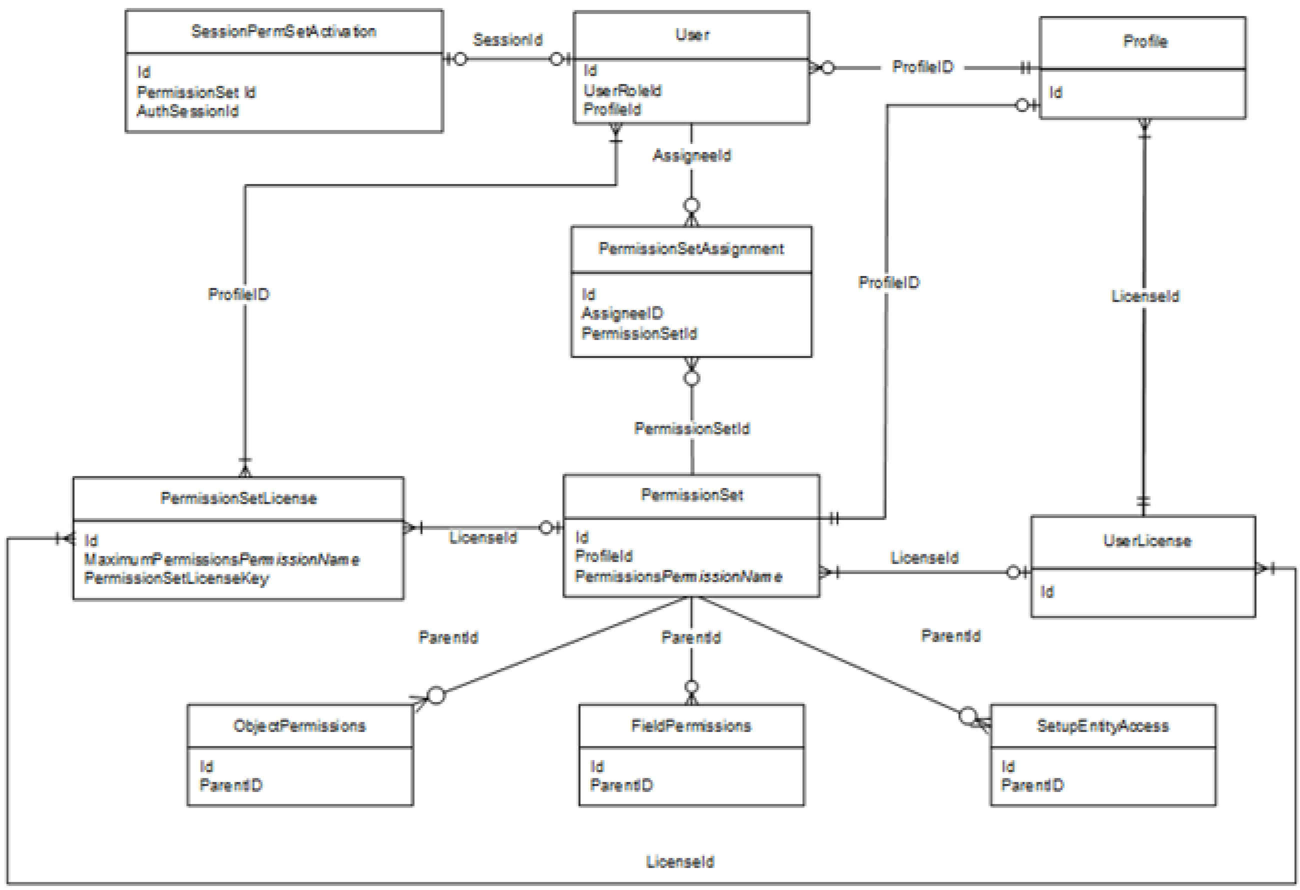
Child Objects

When using the API, think of each permission set or related set of access controls as an empty container that you fill with permission records.

In the API, a permission set can contain user, object, and field permissions, as well as setup entity access settings for other settings, such as Apex classes.

- ObjectPermissions and FieldPermissions objects are available in API version 24.0 and later.
- The SetupEntityAccess object is available in API version 25.0 and later.

Only user permissions are managed in the PermissionSet API object; all other permission types are managed in child API objects.



In these child objects, access is stored in a record, while the absence of a record indicates no access. To return a record in a SOQL query, a minimum permission or setting is required for each child object.

Because permissions are stored in related objects, it's important to understand what questions to ask when using SOQL. For example, you might want to know which permission sets have "Delete" on an object or have the right to approve a return merchandise authorization (where the approval checkbox is controlled with field permissions). Asking the right questions when using SOQL with permission sets ensures that you get the information you need to make an informed decision, such as whether to migrate permissions or assign a permission set to a user.

For example, the following returns all permission sets where the "Read" permission is enabled for the Merchandise__c object.

```
SELECT SobjectType, ParentId, PermissionsRead
FROM ObjectPermissions
WHERE PermissionsRead = True AND SobjectType = 'Merchandise__c'
```

You can query for all permission sets that have "Read" on an object. However, you can't query for permission sets that have no access on an object, because no records exist for that object. For example, the following returns no records because the object must have at least "Read" to return any records.

```
SELECT SobjectType, ParentId, PermissionsRead
FROM ObjectPermissions
WHERE PermissionsRead = False AND SobjectType = 'Merchandise__c'
```

If you have at least the "Read" permission on an object, you can create a conditional query on other permissions in the same object. For example, the following returns any records where the object has at least the "Read" permission but not the "Edit" permission.

```
SELECT ParentId, PermissionsRead, PermissionsEdit
FROM ObjectPermissions
WHERE PermissionsEdit = False AND SobjectType = 'Merchandise__c'
```

To set an object or field permission to no access, delete the record that contains the permission. For example, to disable all object permissions in the Merchandise__c object for a particular permission set, first query to retrieve the ID of the object permission record.

```
SELECT Id
FROM ObjectPermissions
WHERE SobjectType = 'Merchandise__c'
```

Then delete the IDs returned from the query.

Note: If you try to update the object or field permissions by setting all permissions to false, the permission record is automatically deleted; any subsequent queries for the record ID won't return results and you must add a new permission record to grant access.

View a Permission Set with Nested Queries

You can build on the PermissionSet object using child relationships that show all of the permissions in a single permission set. For example, the following returns all permission sets and displays the "Transfer Leads" permission, as well as any "Read" permissions on any objects and fields.

```
SELECT Label, PermissionsTransferAnyLead,
(SELECT SobjectType, PermissionsRead FROM ObjectPerms),
(SELECT SobjectType, Field, PermissionsRead FROM FieldPerms)
FROM PermissionSet
```

Associated Profiles

In API version 25.0 and later, every profile is associated with a permission set that stores the profile's user, object, and field permissions, as well as setup entity access settings. You can query permission sets that are owned by profiles but not modify them.

The following example returns all permission sets, including those owned by a profile.

```
SELECT Id, Label, ProfileId, Profile.Name
FROM PermissionSet
```

The following returns all permission sets except those owned by profiles.

```
SELECT Id, Label, ProfileId, Profile.Name, IsOwnedByProfile
FROM PermissionSet
WHERE IsOwnedByProfile = FALSE
```

Because permission sets have child objects in the API, you can query their values on permission sets owned by a profile. For example, the following returns all enabled object permission records for profiles only.

```
SELECT Id,ParentId, PermissionsRead, SobjectType, Parent.ProfileId
FROM ObjectPermissions
WHERE Parent.IsOwnedByProfile = TRUE
```

Once you have the IDs for permission sets that are owned by profiles as well as those not owned by profiles, you can use the PermissionSetAssignment object to determine whether users can access an object or field via a permission in their profile or any of their permission sets. For example, the following SOQL query returns all users who have the “Read” permission on the Merchandise__c object and specifies whether the permission is granted through a profile or permission set.

```
SELECT Assignee.Name, PermissionSet.Id, PermissionSet.isOwnedByProfile
FROM PermissionSetAssignment
WHERE PermissionSetId
IN (SELECT ParentId
FROM ObjectPermissions
WHERE SObjectType = 'Merchandise__c' AND PermissionsRead = true)
```

Note: For permission sets that are owned by profiles, don’t use any Name and Label values that are returned in a query, as they can change at any time.

SEE ALSO:

ObjectPermissions

FieldPermissions

SetupEntityAccess

PermissionSetAssignment

Profile

PermissionSetAssignment

Represents the association between a User and a PermissionSet. This object is available in API version 22.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AssigneeId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the User to assign the permission set specified in `PermissionSetId`.
`PermissionSetId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the PermissionSet to assign to the user specified in `AssigneeId`.

Usage

Finding Permission Set Assignments

Use the PermissionSetAssignment object to query permission set assignments to find out which permission sets are assigned to which users. Because each user may be assigned to many permission sets and each permission set may be assigned to many users, each PermissionSetAssignment ID represents the association of a single user and single permission set.

For example, to search for all of the permission sets assigned to a particular user:

```
SELECT Id, PermissionSetId
FROM PermissionSetAssignment
WHERE AssigneeId = '005600000017cKt'
```

To search for all users assigned to a particular permission set:

```
SELECT Id, AssigneeId
FROM PermissionSetAssignment
WHERE PermissionSetId = '0PS30000000000e'
```

You can also create a new permission set assignment, or use delete to remove a permission set that's assigned to a user. To update an assignment, delete an existing assignment and insert a new one.

User Licenses

When assigning a permission set, if the PermissionSet has a `UserLicenseId`, its `UserLicenseId` and the Profile `UserLicenseId` must match. To determine a user's license assignment, query the user's profile and then query the profile's license.

For example, to find a user's profile ID:

```
SELECT Id, ProfileId
FROM User
WHERE Id = '005D0000001GMAT'
```

To find a permission set's `UserLicenseId`:

```
SELECT Id, LicenseId
FROM PermissionSet
WHERE Id = '0PS30000000000e'
```

If the IDs match, the assignment succeeds.

To find all the permission sets with no license that are assigned to any user:

```
SELECT Id, Assignee.Name, PermissionSet.Name
FROM PermissionSetAssignment
WHERE PermissionSet.LicenseId = null
```

SEE ALSO:

PermissionSet

PermissionSetLicense

Represents a license that's used to enable one or more users to receive a specified permission without changing their profile or reassigning profiles. You can use permission set licenses to grant access, but not to deny access. This object is available in API version 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
DeveloperName	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
ExpirationDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date at which the permission set license expires.

Field Name	Details
Language	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the permission set license.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The label of the permission set license. Label is **Permission Set License Label**.
MaximumPermissions*PermissionName*	**Type** boolean **Properties** Filter, **Description** One field for each permission. For example, MaximumPermissionsIdentityConnect corresponds to the "Use Identity Connect" permission. If *true*, this PermissionSetLicense grants the specified permission. The number of fields varies depending on the permissions available for the organization.
MaximumPermissionsShowCompanyNameAsUserBadge	**Type** boolean **Properties** Filter **Description** When on, a user's company name, if available, will be displayed in place of the community role.
PermissionSetLicenseKey	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** A string that uniquely identifies a particular permission set license.

Field Name	Details
Status	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of a permission set license. If `Active`, the permission set license is available. If `Disabled`, the permission set license has expired.
TotalLicenses	**Type** int **Properties** Filter, Group, Sort **Description** The total number of this permission set license that are available to your organization.
UsedLicenses	**Type** int **Properties** Filter, Group, Sort **Description** The number of this permission set license that are currently assigned to users.

Usage

Users with the "View Setup and Configuration" permission can use the PermissionSetLicense object to view the set of currently defined permission set licenses in your organization.

Use the PermissionSetLicense object to query existing permission licenses.

For example, to return a list of all active permission set licenses:

```
SELECT MasterLabel
FROM PermissionSetLicense
WHERE Status = 'Active'
```

When combined with the PermissionSetLicenseAssign object, you can create a nested query that returns all users assigned to a particular permission set license like "Identity Connect":

```
SELECT MasterLabel, (SELECT AssigneeId FROM PermissionSetLicenseAssignments)
FROM PermissionSetLicense
WHERE MaximumPermissionsIdentityConnect=true
```

SEE ALSO:

PermissionSetLicenseAssign

PermissionSetLicenseAssign

Represents the association between a User and a PermissionSetLicense. This object is available in API version 29.0 and later.

Note: The relationship name for PermissionSetLicenseAssign is *`PermissionSetLicenseAssignments`*.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AssigneeId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User to assign the permission set license specified in `PermissionSetLicenseId`.
`PermissionSetLicenseId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the permission set license the user is assigned to.

Usage

Use the PermissionSetLicenseAssign object for querying permission set license assignments to find out which permission set licenses are assigned to which users. Because each user can be assigned to many permission set licenses, each PermissionSetLicenseAssign ID represents the association of a single user and single permission set license.

For example, to search for all of the permission sets assigned to a particular user:

```
SELECT Id, PermissionSetLicenseId
FROM PermissionSetLicenseAssign
WHERE AssigneeId = '005D0000001RFek'
```

To search for all users assigned to a particular permission set license:

```
SELECT AssigneeId
FROM PermissionSetLicenseAssign
WHERE PermissionSetLicenseId = '0PLD000000003mwOAA'
```

You can also create a new permission set license assignment, or use delete to remove a permission set license that's been assigned to a user. To update an assignment, delete an existing assignment and insert a new one.

SEE ALSO:

PermissionSetLicense

PlatformAction

PlatformAction is a virtual read-only object. It enables you to query for actions displayed in the UI, given a user, a context, device format, and a record ID. Examples include standard and custom buttons, quick actions, and productivity actions.

Supported Calls

`query()`

Fields

Field	Details
`ActionListContext`	**Type** string **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Required. The list context this action applies to. Valid values are: • `Assistant` • `BannerPhoto` • `Chatter` • `Dockable` • `FeedElement` • `FlexiPage` • `Global` • `ListView` • `ListViewDefinition` • `ListViewRecord` • `Lookup` • `MruList` • `MruRow` • `ObjectHomeChart` • `Photo` • `Record`

Field	Details
	• `RecordEdit` • `RelatedList` • `RelatedListRecord`
`ActionTarget`	**Type** string **Properties** Nillable **Description** The URL to invoke or describe the action when the action is invoked. If the action is a standard button overridden by a Visualforce page, the ActionTarget returns the URL of the Visualforce page, such as `/apex/`*`pagename`*. This field is available in API version 35.0 and later.
`ActionTargetType`	**Type** string **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of the target when this action is triggered. Valid values are: • `Describe`—applies to actions with a user interface, such as quick actions • `Invoke`—applies to actions with no user interface, such as action links or invocable actions • `Visualforce`—applies to standard buttons overridden by a Visualforce page
`ActionTargetUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL to invoke or describe the action when the action is invoked. This field is deprecated in API version 35.0 and later. Use `ActionTarget` instead.
`Category`	**Type** string **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Applies only to action links. Denotes whether the action link shows up in the feed item list of actions or the overflow list of actions. Valid values are: • `Primary`

Field	Details
	• `Overflow`
`ConfirmationMessage`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Applies only to action links. The message to display before the action is invoked. Field is null if no confirmation is required before invoking the action.
`DeviceFormat`	**Type** string **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies which action icon the PlatformAction query returns. If this field isn't specified, it defaults to Phone. Valid values are: • `Aloha` • `Desktop` • `Phone` • `Tablet`
`ExternalId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The unique ID for the PlatformAction. If the action doesn't have an ID, its API name is used.
`GroupId`	**Type** ID **Properties** Filter, Group, Nillable, Sort **Description** The unique ID of a group of action links.
`IconContentType`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The content type—such as .jpg, .gif, or .png—of the icon for this action. Applies to both custom and standard icons assigned to actions.
`IconHeight`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The height of the icon for this action. Applies only to standard icons.
`IconUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The URL of the icon for this action.
`IconWidth`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The width of the icon for this action. Applies only to standard icons.
`InvocationStatus`	**Type** string **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The status of the action within the feed item. Applies to action links only. Valid values are: • `Failed` • `New` • `Pending` • `Successful`
`InvokedByUserId`	**Type** ID **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The ID of the user who most recently invoked this action within the current feed item. Applies to action links only.
IsGroupDefault	**Type** boolean **Properties** Filter, Group, Sort **Description** Denotes whether this action is the default in an action link group. False for other action types. Applies to action links only.
IsMassAction	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the action can be performed on multiple records. This field is available in API version 38.0 and later.
Label	**Type** string **Properties** Filter, Group, Sort **Description** The label to display for this action.
PrimaryColor	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The primary color of the icon for this action.
RelatedListRecordId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Represents the ID of a record in an object's related list. This field is available in API version 38.0 and later.

Field	Details
RelatedSourceEntity	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** When the `ActionListContext` is RelatedList or RelatedListRecord, this field represents the API name of the related list to which the action belongs.
Section	**Type** string **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The section of the user interface the action resides in. Applicable only to Lightning Experience. Valid values are: • ActivityComposer • CollaborateComposer • NotesComposer • Page • SingleActionLinks This field is available in API version 35.0 and later.
SourceEntity	**Type** string **Properties** Filter, Group, Sort **Description** Required. The object or record with which this action is associated.
Subtype	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The subtype of the action. For quick actions, the subtype is `QuickActionType`. For custom buttons, the subtype is `WebLinkTypeEnum`. For action links, subtypes are `Api`, `ApiAsync`, `Download`, and `Ui`. Standard buttons and productivity actions have no subtype.
TargetObject	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The type of object record the action creates, such as a contact or opportunity. This field is available in API version 41.0 and later.
`TargetUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** The URL that a custom button or link points to. This field is available in API version 41.0 and later.
`Type`	**Type** string **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of the action. Valid values are: • `ActionLink`—An indicator on a feed element that targets an API, a web page, or a file, represented by a button in the Salesforce Chatter feed UI. • `CustomButton`—When clicked, opens a URL or a Visualforce page in a window or executes JavaScript. • `InvocableAction` • `ProductivityAction`—Productivity actions are predefined and attached to a limited set of objects. Productivity actions include Send Email, Call, Map, View Website, and Read News. Except for the Call action, you can't edit or delete productivity actions. • `QuickAction`—A global or object-specific action. • `StandardButton`—A predefined Salesforce button such as New, Edit, and Delete.

Usage

PlatformAction can be described using describeSObject().

You can directly query for PlatformAction. For example, this query returns all fields for actions associated with each of the records of the listed objects:

```
SELECT ExternalId, ActionTargetType, ActionTargetUrl, ApiName, Category,
      ConfirmationMessage, ExternalId, GroupId, UiTheme, IconUrl, IconContentType,
      IconHeight, IconWidth, PrimaryColor, InvocationStatus, InvokedByUserId,
      IsGroupDefault, Label, LastModifiedDate, Subtype, SourceEntity, Type
FROM PlatformAction
```

```
WHERE SourceEntity IN ('001xx000003DGsH', '001xx000003DHBq', 'Task', 'Global') AND
      ActionListContext = 'Record';
```

Note: To query PlatformAction, provide the `ActionListContext` and `SourceEntity`. If you query for `ActionListContext` with a value of `RelatedList`, and don't specify a `RelatedSourceEntity`, the query returns the API name of the related list.

This query uses multiple `ActionListContext` values in its `WHERE` clause to return all actions in the Lightning Experience user interface (`DeviceFormat = 'Desktop'`) for the specified object:

```
SELECT ActionListContext, Label, Type, Subtype, Section, SourceEntity,
     RelatedSourceEntity, ActionTarget, ActionTargetType, ApiName, Category,
     ConfirmationMessage, DeviceFormat, ExternalId, GroupId, IconContentType,
     IconHeight, IconUrl, IconWidth, Id, InvocationStatus, InvokedByUserId,
     IsGroupDefault, LastModifiedDate, PrimaryColor
FROM PlatformAction
WHERE ActionListContext IN ('Record','Chatter','RelatedList') AND
      SourceEntity = '001xx000003DlvX' AND
      DeviceFormat = 'Desktop'
```

PresenceUserConfig

Represents a configuration that determines a presence user's settings. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Capacity`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The maximum number of work assignments that can be pushed to an agent at a time.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores.

Field	Details
	In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. **Note:** When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the presence configuration.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label of the presence configuration.
`OptionsIsAutoAcceptEnabled`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether work items that are routed to agents are automatically accepted (`true`) or not (`false`). Available only if `OptionsIsDeclineEnabled` is set to `false`.
`OptionsIsDeclineEnabled`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether agents can decline work items that are routed to them (`true`) or not (`false`). Available only if `OptionsIsAutoAcceptEnabled` is set to `false`.
`OptionsIsDeclineReasonEnabled`	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description Indicates whether agents can select a reason for declining work requests (`true`) or not (`false`). This can be selected only if decline reasons are enabled.
`OptionsIsDisconnectSoundEnabled`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether a sound is played when agents are disconnected from Omni-Channel (`true`) or not (`false`).
`OptionsIsRequestSoundEnabled`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether a sound plays with incoming work requests (`true`) or not (`false`). Set to `true` by default.
`PresenceStatusOnDeclineId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the presence status that's automatically assigned to the agent when the agent declines a work item. Available only if `OptionsIsDeclineEnabled` is set to `true`.
`PresenceStatusOnPushTimeoutId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the presence status that's automatically assigned to the agent when the agent doesn't respond to a work item before push timeout occurs. Available in API version 36.0 and later.

PresenceUserConfigProfile

Represents a configuration that determines the settings that are assigned to presence users who are assigned to a specific profile. User-level configurations override profile-level configurations. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`PresenceUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** If an individual user is also assigned a presence configuration through the PresenceUserConfigProfile, this configuration will override that.
`ProfileId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the profile that's associated with this presence configuration. A profile can be associated with only one presence configuration.

PresenceUserConfigUser

Represents a configuration that determines the settings that are assigned to a presence user. These user-level configurations override profile-level configurations. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`PresenceUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the presence configuration.

Field	Details
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user who's associated with this presence configuration. A user can be associated with only one presence configuration.

Pricebook2

Represents a price book that contains the list of products that your org sells.

Note: Price books are represented by Pricebook2 objects. As of API version 8.0, the Pricebook object is no longer available. Requests containing Pricebook are refused, and responses do not contain the Pricebook object.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the price book.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the price book is active (`true`) or not (`false`). Inactive price books are hidden in many areas in the user interface. You can change this field's value as often as necessary. Label is **Active**.

Field	Details
`IsArchived`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the price book has been archived (true) or not (false). This field is read only.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the price book has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsStandard`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the price book is the standard price book for the org (`true`) or not (`false`). Every org has one standard price book—all other price books are custom price books.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of this object. This field is read-only for the standard price book. Label is **Price Book Name**.

Usage

A price book is a list of products that your org sells.

- Each org has one standard price book that defines the standard or generic list price for each product or service that it sells.
- An org can have multiple custom price books to use for specialized purposes, such as for discounts, different channels or markets, or select accounts or opportunities. While your client application can create, delete, and update custom price books, your client application can update only the standard price book.

- For some orgs, the standard price book is the only price needed. If you need to set up other price books, you can reference the standard price book when setting up list prices in custom price books.

Use this object to query standard and custom price books that have been configured for your org. A common use of this object is to allow your client application to obtain valid Pricebook2 object IDs for use when configuring PricebookEntry records via the API.

Your client application can perform the following tasks on PricebookEntry objects:

- Query
- Create for the standard pricebook or custom pricebooks.
- Update
- Delete
- Change the `IsActive` field when creating or updating records

PriceBook2, Product2, and PricebookEntry Relationships

In the API:

- Price books are represented by Pricebook2 records (as of version 8.0, the Pricebook object is no longer available).
- Products are represented by Product2 records (as of version 8.0, the Product object is no longer available).
- Each price book contains zero or more entries (represented by PricebookEntry records) that specify the products that are associated with the price book. A price book entry defines the price for which you sell a product at a particular currency.

These objects are defined only for those orgs that have products enabled as a feature. If the org doesn't have the products feature enabled, the Pricebook2 object doesn't appear in the `describeGlobal()` call, and you can't access it via the API.

If you delete a Pricebook2 while a line item references PricebookEntry in the price book, the line item is unaffected, but the Pricebook2 is archived and unavailable from the API.

For a visual diagram of the relationships between Pricebook2 and other objects, see Product and Schedule Objects.

Price Book Setup

The process of setting up a price book via the API usually means:

1. Load product data into Product2 records (creating one Product2 record for each product that you want to add).
2. For each Product2 record, create a PricebookEntry that links the Product2 record to the standard Pricebook2. You need to define a standard price for a product at a given currency (if you have multicurrency enabled), before defining a price for that product in the same currency in a custom price book.
3. Create a Pricebook2 record to represent a custom price book.
4. For each Pricebook2 record, creating a PricebookEntry for every Product2 that you want to add, specifying unique properties for each PricebookEntry (such as the `UnitPrice` and `CurrencyIsoCode`) as needed.

Code Sample—Java

```
public void pricebookSample() {
  try {
    //Create a custom pricebook
    Pricebook2 pb = new Pricebook2();
    pb.setName("Custom Pricebok");
    pb.setIsActive(true);
```

```
    SaveResult[] saveResults = connection.create(new SObject[]{pb});
    pb.setId(saveResults[0].getId());

    // Create a new product
    Product2 product = new Product2();
    product.setIsActive(true);
    product.setName("Product");
    saveResults = connection.create(new SObject[]{product});
    product.setId(saveResults[0].getId());

    // Add product to standard pricebook
    QueryResult result = connection.query(
        "select Id from Pricebook2 where isStandard=true"
    );
    SObject[] records = result.getRecords();
    String stdPbId = records[0].getId();

    // Create a pricebook entry for standard pricebook
    PricebookEntry pbe = new PricebookEntry();
    pbe.setPricebook2Id(stdPbId);
    pbe.setProduct2Id(product.getId());
    pbe.setIsActive(true);
    pbe.setUnitPrice(100.0);
    saveResults = connection.create(new SObject[]{pbe});

    // Create a pricebook entry for custom pricebook
    pbe = new PricebookEntry();
    pbe.setPricebook2Id(pb.getId());
    pbe.setProduct2Id(product.getId());
    pbe.setIsActive(true);
    pbe.setUnitPrice(100.0);
    saveResults = connection.create(new SObject[]{pbe});
  } catch (ConnectionException ce) {
    ce.printStackTrace();
  }
}
```

SEE ALSO:

Product and Schedule Objects

Pricebook2History

Represents historical information about changes that have been made to the standard fields of the associated Pricebook2, or to any custom fields with history tracking enabled. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

This object is always read-only.

Fields

Field	Details
`Pricebook2Id`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Pricebook2 associated with this record.
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the price book field that was modified, or a special value to indicate some other modification to the price book.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). This is a standard system field. Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the modified price book field. Maximum of 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified price book field. Maximum of 255 characters.

Usage

Price book history entries are indirectly created each time a price book is modified.

Two rows are added to this record when foreign key fields change. One row contains the foreign key object names that display in the online application. For example, `Jane Doe` is recorded as the name of a Contact. The other row contains the actual foreign key ID that is only returned to and visible from the API.

This object respects field level security on the parent object.

SEE ALSO:

Pricebook2

PricebookEntry

Represents a product entry (an association between a Pricebook2 and Product2) in a price book.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this price book entry is active (`true`) or not (`false`). Although you can never delete PricebookEntry records, your client application can set this flag to `false`. Inactive PricebookEntry records are hidden in many areas in the user interface. You can change this flag on a PricebookEntry record as often as necessary.
`IsDeleted`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter **Description** Indicates whether this PricebookEntry record has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`Name`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of this PricebookEntry record. This read-only field references the value in the Name field of the Product2 record. Label is **Product Name**.
`Pricebook2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Pricebook2 record with which this record is associated. This field must be specified when creating Pricebook2 records. It can't be changed in an update.
`Product2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Product2 record with which this record is associated. This field must be specified when creating Product2 records. It can't be changed in an update.
`ProductCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Product code for this record. This read-only field references the value in the **ProductCode** field of the associated Product2 record.
`UnitPrice`	**Type** currency **Properties** Create, Filter, Sort, Update

Field	Details
	Description Required. Unit price for this price book entry. You can specify a value only if `UseStandardPrice` is set to `false`. Label is **List Price**.
`UseStandardPrice`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this price book entry uses the standard price defined in the standard Pricebook2 record (`true`) or not (`false`). If set to `true`, then the `UnitPrice` field is read-only, and the value will be the same as the `UnitPrice` value in the corresponding PricebookEntry in the standard price book (that is, the PricebookEntry record whose `Pricebook2Id` refers to the standard price book and whose `Product2Id` and `CurrencyIsoCode` are the same as this record). For PricebookEntry records associated with the standard Pricebook2 record, this field must be set to `true`.

Usage

Use this object to define the association between your organization's products (Product2) and your organization's standard price book or to other, custom-defined price books (Pricebook2). Create one PricebookEntry record for each standard or custom price and currency combination for a product in a Pricebook2.

When creating these records, you must specify the IDs of the associated Pricebook2 record and Product2 record. Once created, your client application can't update these IDs.

This object is defined only for those organizations that have products enabled as a feature. If the organization does not have the products feature enabled, then the PricebookEntry object does not appear in the `describeGlobal()` call, and you can't access it.

If you delete a PriceBookEntry while a line item references it, the line item is unaffected, but the PriceBookEntry will be archived and unavailable from the API. Deleted PriceBookEntry records can't be recovered.

You must load the standard price for a product before you are permitted to load its custom price(s).

SEE ALSO:

Object Basics

ProcessDefinition

Represents the definition of a single approval process.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`

Special Access Rules

Only portal and communities users with the Customer Community Plus and Partner Community licenses can access this object.

Fields

Field	Details
`Description`	**Type** string **Properties** Filter, Nillable, Sort **Description** A description of this process, with a maximum of 3,000 characters.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The external name of the process; the name seen by users.
`LockType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of lock applied to the record being approved. When a record is in the approval process, it's always locked, and only an administrator can edit it. However, the currently assigned approver can also be allowed to edit the record. • Total • Admin • Owner • Workitem • Node • none
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** The unique process name, used internally.

Field	Details
`State`	**Type** picklist **Properties** Filter, Group, Sort **Description** The current state of this process. • Active • Inactive • Obsolete
`TableEnumOrId`	**Type** picklist **Properties** Filter, Group, Sort **Description** Specifies the object associated with the approval process, such as Account or Contact.
`Type`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Sort **Description** The type of this process. • Approval Process—Used to control the action taken for a record. • State-based Process—Used internally to track various control processes, such as for developing Salesforce Knowledge articles.

Usage

Use this object to read the description of an approval process. The definition is read-only.

ProcessInstance

Represents an instance of a single, end-to-end approval process. Use this and the node, step, and workitem process instance objects to create approval history reports.

Note: Exceptions apply to approval history data retrieved with this object and available only via the SOAP API. For each approval process instance that was pending when Summer '14 became available for your organization, some field values are never populated or are populated only after the approval process instance is next acted upon—such as when a user approves, rejects, or reassigns an approval request—after the Summer '14 rollout.

For approval process instances that were completed before the Summer '14 rollout, all Process Instance fields are automatically populated, with one exception: `CompletedDate` is never populated for approval process instances that were completed before January 1, 2013. For approval process instances that were pending during the Summer '14 rollout, all ProcessInstance fields are automatically populated, with two exceptions: `CompletedDate` and `LastActorId` are populated only after the approval process instance is complete.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CompletedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The completion date and time of the approval process. The `ElapsedTimeDay`, `ElapsedTimeHours`, and `ElapsedTimeMinutes` field values are calculated using `CompletedDate`.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Sort **Description** The total elapsed time in days between when the approval process instance was started and now.
`ElapsedTimeInHours`	**Type** double **Properties** Filter, Sort **Description** The total elapsed time in hours between when the approval process instance was started and now.
`ElapsedTimeInMinutes`	**Type** double **Properties** Filter, Sort

Field	Details
	Description The total elapsed time in minutes between when the approval process instance was started and now.
`LastActorId`	**Type** reference **Properties** Group, Filter, Sort **Description** The last actor that approved, rejected, or recalled the process.
`ProcessDefinitionId`	**Type** reference **Properties** Defaulted on create, Group, Filter, Sort **Description** The ID of this approval process instance.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of this approval process instance, for example Started, Pending, or Approved.
`TargetObjectId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the object affected by this approval process instance.

Usage

Use this object to query or retrieve an approval process.

The following SOQL query returns details for all the ProcessInstanceStep records related to individual ProcessInstance records. The nested query references `Steps`, which is the child `relationshipName` for ProcessInstanceStep in the ProcessInstance object.

```
SELECT Id, (SELECT Id, StepStatus, Comments FROM Steps)
FROM ProcessInstance
```

The following SOQL query returns details for all the ProcessInstanceWorkitem records related to individual ProcessInstance records. The nested query references `Workitems`, which is the child `relationshipName` for ProcessInstanceWorkitem in the ProcessInstance object.

```
SELECT Id, (SELECT Id, ActorId, ProcessInstanceId FROM Workitems)
FROM ProcessInstance
```

ProcessInstanceHistory can help provide a unified read-only view of the ProcessInstanceStep and ProcessInstanceWorkitem objects.

SEE ALSO:
ProcessInstanceHistory
ProcessInstanceStep
ProcessInstanceWorkitem

ProcessInstanceHistory

This read-only object shows all steps and pending approval requests associated with an approval process (ProcessInstance).

Supported Calls

`describeSObjects()`

Fields

Field	Details
`ActorId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who is currently assigned to this ProcessInstance.
`Comments`	**Type** string **Properties** Filter, Nillable, Sort **Description** Comments for a ProcessInstanceStep. This field doesn't apply to ProcessInstanceWorkitem records.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Nillable, Sort

Field	Details
	Description The total time in days between when the approval process instance was started and when it was completed.
`ElapsedTimeInHours`	**Type** double **Properties** Filter, Nillable, Sort **Description** The total time in hours between when the approval process instance was started and when it was completed.
`ElapsedTimeInMinutes`	**Type** double **Properties** Filter, Nillable, Sort **Description** The total time in minutes between when the approval process instance was started and when it was completed.
`IsPending`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the ProcessInstance is pending (`true`) or not (`false`).
`OriginalActorId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who was originally assigned this ProcessInstance.
`ProcessInstanceId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ProcessInstance.

Field	Details
`ProcessNodeId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of this step.
`RemindersSent`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number of reminders that have been sent. Default is 0 (zero).
`StepStatus`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Indicates the current status of the ProcessInstanceStep.
`TargetObjectId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the object being approved.

Usage

This object helps you replicate the related list functionality of the Salesforce user interface for approval processes. Use ProcessInstanceHistory for a unified read-only view of the ProcessInstanceStep and ProcessInstanceWorkitem objects. You can't queryProcessInstanceHistory. Instead, you can query ProcessInstanceHistory by including it in a nested query on the parent ProcessInstance object. For example, the following SOQL query returns all the ProcessInstanceHistory records related to individual ProcessInstance records. The nested query references `StepsAndWorkitems`, which is the child `relationshipName` for ProcessInstanceHistory in the ProcessInstance object.

```
SELECT Id, (SELECT Id, StepStatus, Comments FROM StepsAndWorkitems)
FROM ProcessInstance
```

This object respects field-level security on the parent object.

SEE ALSO:

ProcessInstance
ProcessInstanceStep
ProcessInstanceWorkitem

ProcessInstanceStep

Represents one work item in an approval process (ProcessInstance).

Note: Exceptions apply to approval history data retrieved with this object and available only via the SOAP API. For each approval process instance that was pending when Summer '14 became available for your organization, some field values are never populated or are populated only after the approval process instance is next acted upon—such as when a user approves, rejects, or reassigns an approval request—after the Summer '14 rollout.

ProcessInstanceStep fields are never populated for approval process instances that were completed before the Summer '14 rollout. For approval process instances that were pending during the Summer '14 rollout, all ProcessInstanceStep fields are populated only after the approval process instance is next acted upon after the Summer '14 rollout.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ActorId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who is currently assigned to this approval step.
`Comments`	**Type** string **Properties** Filter, Nillable, Sort **Description** Limit: 4,000 bytes.
`ElapsedTimeInDays`	**Type** double

Field	Details
	Properties Filter, Nillable, Sort **Description** The total time in days since this step was started.
ElapsedTimeInHours	**Type** double **Properties** Filter, Nillable, Sort **Description** The total time in hours since this step was started.
ElapsedTimeInMinutes	**Type** double **Properties** Filter, Nillable, Sort **Description** The total time in minutes since this step was started.
OriginalActorId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user who was originally assigned to this approval step.
ProcessInstanceId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ProcessInstance that this approval step belongs to.
StepNodeId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the node currently assigned to this approval step.
StepStatus	**Type** picklist

Field	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The current status of this approval step. • Approved • Fault • Held • NoResponse • Pending • Reassigned • Rejected • Removed • Started If the approval step requires unanimous approval and one approver rejects the request, the value of this field for the other approvers changes to NoResponse. Likewise, if approval is based on the first response and an approver responds, the value of this field for the other approvers changes to NoResponse.

Usage

Query or retrieve a new step in an approval process (ProcessInstance).

SEE ALSO:

ProcessInstance

ProcessInstanceHistory

ProcessInstanceWorkitem

ProcessInstanceNode

Represents a step in an instance of an approval process. Compare to ProcessNode, which describes the step in a process definition. Use this object to retrieve approval history.

Note: Exceptions apply to approval history data retrieved with this object and available only via the SOAP API. For each approval process instance that was pending when Summer '14 became available for your organization, some field values are never populated or are populated only after the approval process instance is next acted upon—such as when a user approves, rejects, or reassigns an approval request—after the Summer '14 rollout.

ProcessInstanceNode fields are never populated for approval process instances that were completed before the Summer '14 rollout. For approval process instances that were pending during the Summer '14 rollout, all ProcessInstanceNode fields are populated only after the approval process instance is next acted upon after the Summer '14 rollout.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`CompletedDate`	**Type** dateTime **Properties** Filter, Sort **Description** The completion date and time of this step in the approval process. The `ElapsedTimeDay`, `ElapsedTimeHours`, and `ElapsedTimeMinutes` field values are calculated using `CompletedDate`.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Sort **Description** The total time in days since this step was started.
`ElapsedTimeInHours`	**Type** double **Properties** Filter, Sort **Description** The total time in hours since this step was started.
`ElapsedTimeInMinutes`	**Type** double **Properties** Filter, Sort **Description** The total time in minutes since this step was started.
`LastActorId`	**Type** reference **Properties** Defaulted on create, Group, Filter, Sort **Description** The last actor that approved or rejected this step.

Field	Details
`NodeStatus`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of this approval instance, for example Started, Pending, or Approved.
`ProcessInstanceId`	**Type** reference **Properties** Filter, Group, Sort **Description** The approval process this step is part of.
`ProcessNodeId`	**Type** reference **Properties** Filter, Group, Sort **Description** The identifier for this step.
`ProcessNodeName`	**Type** string **Properties** Filter, Group, Sort **Description** The name of this step.

ProcessInstanceWorkitem

Represents a user's pending approval request.

Note: Exceptions apply to approval history data retrieved with this object and available only via the SOAP API. For each approval process instance that was pending when Summer '14 became available for your organization, some field values are never populated or are populated only after the approval process instance is next acted upon—such as when a user approves, rejects, or reassigns an approval request—after the Summer '14 rollout.

ProcessInstanceWorkitem fields are never populated for approval process instances that were completed before the Summer '14 rollout. For approval process instances that were pending during the Summer '14 rollout, all ProcessInstanceWorkitem fields are populated after the approval process instance is next acted upon after the Summer '14 rollout, with three exceptions: `ElapsedTimeInDays`, `ElapsedTimeInDays`, and `ElapsedTimeInMinutes` fields are never populated in ProcessInstanceWorkitem records for which equivalent ProcessInstanceStep records were created before the Summer '14 rollout.

For all other ProcessInstanceWorkitem records, these three fields are populated after the approval process instance is next acted upon after the Summer '14 rollout.

Note: Because ProcessInstanceHistory combines fields from ProcessInstanceStep and ProcessInstanceWorkitem, you may notice incorrect elapsed times of 0 in ProcessInstanceHistory records because the elapsed time fields were never populated in the related ProcessInstanceWorkitem record.

Supported Calls

`delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`ActorId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the user who is currently responsible for approving an approval request.
`ElapsedTimeInDays`	**Type** double **Properties** Filter, Nillable **Description** The total time in days since this approval request was started.
`ElapsedTimeInHours`	**Type** double **Properties** Filter, Nillable **Description** The total time in hours since this approval request was started.
`ElapsedTimeInMinutes`	**Type** double **Properties** Filter, Nillable **Description** The total time in minutes since this approval request was started.
`OriginalActorId`	**Type** reference

Field	Details
	Properties Filter, Group, Sort, Update **Description** ID of the user who was originally assigned this approval request.
`ProcessInstanceId`	**Type** reference **Properties** Filter, Group, Sort, Update **Description** ID of the ProcessInstance associated with this approval request.

Usage

Use this object to manage a pending approval request for a user.

SEE ALSO:

ProcessInstance

ProcessInstanceHistory

ProcessInstanceStep

ProcessNode

Describes a step in a process definition. Compare to ProcessInstanceNode, which describes the step in a running process.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`Description`	**Type** string **Properties** Filter, Nillable, Sort **Description** A description of this node, no longer than 3,000 bytes.

Field	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The external name of the node; the name seen by users.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** The unique node name.
`ProcessDefinition`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the object affected by this approval instance.

Usage

Use this object to get the description of a process definition.

The following SOQL query returns details for all the ProcessInstanceStep records related to individual ProcessInstance records. The nested query references `Steps`, which is the child `relationshipName` for ProcessInstanceStep in the ProcessInstance object.

```
SELECT Id, (SELECT Id, StepStatus, Comments FROM Steps)
FROM ProcessInstance
```

The following SOQL query returns details for all the ProcessInstanceWorkitem records related to individual ProcessInstance records. The nested query references `Workitems`, which is the child `relationshipName` for ProcessInstanceWorkitem in the ProcessInstance object.

```
SELECT Id, (SELECT Id, ActorId, ProcessInstanceId FROM Workitems)
FROM ProcessInstance
```

ProcessInstanceHistory can help provide a unified read-only view of the ProcessInstanceStep and ProcessInstanceWorkitem objects.

Product2

Represents a product that your org sells.

This object has several fields that are used only for quantity and revenue schedules (for example, annuities). Schedules are available only for orgs that have enabled the products and schedules features. If these features aren't enabled, the schedule fields don't appear in the DescribeSObjectResult, and you can't query, create, or update the fields.

Note: Products are represented by Product2 objects. As of API version 8.0, the Product object is no longer available. Requests containing Product are refused, and responses do not contain the Product object.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`CanUseQuantitySchedule`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the product can have a quantity schedule (`true`) or not (`false`). Label is **Quantity Scheduling Enabled**.
`CanUseRevenueSchedule`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the product can have a revenue schedule (`true`) or not (`false`). Label is **Revenue Scheduling Enabled**.
`ConnectionReceivedId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
`ConnectionSentId`	**Type** reference **Properties** Filter, Nillable

Field	Details
	Description ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist **Description** Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the org.
`DefaultPrice`	**Type** currency **Properties** Create, Filter, Update **Description** The default price for this record.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A text description of this record. Label is **Product Description**.
`Family`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of the product family associated with this record. Product families are configured as picklists in the user interface. To obtain a list of valid values, call `describeSObjects()` and process the DescribeSObjectResult for the values associated with the `Family` field. Label is **Product Family**.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether this record is active (`true`) or not (`false`). Inactive Product2 records are hidden in many areas in the user interface. You can change the `IsActive` flag on a Product2 object as often as necessary. Label is **Active**.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Default name of this record. Label is **Product Name**.
`NumberOfQuantityInstallments`	**Type** int **Properties** Filter, Group, Sort **Description** If the product has a quantity schedule, the number of installments.

Field	Details
`NumberOfRevenueInstallments`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** If the product has a revenue schedule, the number of installments.
`ProductCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Default product code for this record. Your org defines the product code naming pattern.
`QuantityInstallmentPeriod`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** If the product has a quantity schedule, the amount of time covered by the schedule.
`QuantityScheduleType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of the quantity schedule, if the product has one.
`RecalculateTotalPrice`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Changes behavior of OpportunityLineItem calculations when a line item has child schedule rows for the `Quantity` value. When enabled, if the rollup quantity changes, then the quantity rollup value is multiplied against the sales price to change the total price.
`RevenueInstallmentPeriod`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field	Details
	Description If the product has a revenue schedule, the period of time covered by the schedule.
`RevenueScheduleType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of the revenue schedule, if the product has one.
`StockKeepingUnit`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The SKU for the product. Use in tandem with or instead of the `ProductCode` field. For example, you can track the manufacturer's identifying code in the Product Code field and assign the product a SKU when you resell it.

Schedule Enabled Flags

When enabling the schedules feature, orgs can decide whether to enable quantity schedules, revenue schedules, or both. In addition, you can use the API to control quantity and revenue scheduling at the product level via the `CanUseQuantitySchedule` and `CanUseRevenueSchedule` flags. A value of `true` for either flag indicates that the product and any OpportunityLineItems can have a schedule of that type. These flags can be set when creating or updating Product2 records.

Default Schedule Fields

The remaining schedule fields for this object define default schedules. Default schedule values are used to create an OpportunityLineItemSchedule when an OpportunityLineItem is created for the Product.

The default schedule fields support the following valid values (all fields are also nillable).

Field	Valid Values
`RevenueScheduleType`	Divide, Repeat
`RevenueInstallmentPeriod`	Daily, Weekly, Monthly, Quarterly, Yearly
`NumberOfRevenueInstallments`	Integer between 1 to 150, inclusive.
`QuantityScheduleType`	Divide, Repeat
`QuantityInstallmentPeriod`	Daily, Weekly, Monthly, Quarterly, Yearly
`NumberOfQuantityInstallments`	Integer between 1 to 150, inclusive

When you attempt to set the schedule fields when creating or updating, the API applies cross-field integrity checks. The integrity requirements are:

- If the schedule type is nil, the installment period and number of installments must be nil.
- If the schedule type is set to any value, then the installment period and number of installments must be non-nil.

Any create or update that fails these integrity checks is rejected with an error.

These default schedule fields, as well as `CanUseQuantitySchedule` and `CanUseRevenueSchedule`, are restricted picklist fields and are available only if the org has the schedules feature enabled.

Usage

Use this object to define the default product information for your org. This object is associated by reference with Pricebook2 objects via PricebookEntry objects. The same product can be represented in different price books as price book entries. In fact, the same product can be represented multiple times (as separate PricebookEntry records) in the same price book with different prices or currencies. A product can only have one price for a given currency within the same price book. To be used in custom price books, all standard prices must be added as price book entries to the standard price book.

You can query the products that have been configured for your org. For example, you can allow your client application to obtain valid product IDs for use when configuring PricebookEntry records via the API. Your client application can perform the following tasks on PricebookEntry objects:

- Query
- Create for the standard pricebook or custom pricebooks.
- Update
- Delete
- Change the `IsActive` field when creating or updating records

This object is defined only for those orgs that have products enabled as a feature. If the org does not have the products feature, this object does not appear in the `describeGlobal()` call, and you can't describe or query this object.

If you try to delete a product via the API but there is an opportunity that uses that product, the delete fails. The workaround is to delete the product in the user interface, which gives you an option to archive the product.

Note: On opportunities and opportunity products, the workflow rules, validation rules, and Apex triggers fire when an update to a child opportunity product or schedule causes an update to the parent record. This means your custom application logic is enforced when there are updates to the parent record, ensuring higher data quality and compliance with your organization's business policies.

SEE ALSO:

Object Basics

Product2Feed

Represents a single feed item in the feed displayed on the detail page for a product record. This object is available in API version 18.0 and later.

A product feed shows recent changes to a product record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to products in Salesforce.

Note: Products are represented by Product2 objects. As of API version 8.0, the Product object is no longer available. Requests containing Product are refused, and responses do not contain the Product object.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Product2 object
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of Product2Feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. **Tip:** In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.

Field	Details
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort

Field	Details
	Description Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field.

Field	Details
	When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference

Field	Details
	Properties Filter, Group, Sort **Description** ID of the product record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed.

Field	Details
	• `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values:

Field	Details
	• `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a product record.

SEE ALSO:

Product2

EntitySubscription

NewsFeed

UserProfileFeed

ProductConsumed

Represents an item from your inventory that was used to complete a work order or work order line item in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Note: To create or delete products consumed, you need Create permission on product items.

Fields

Field Name	Details
`Description`	**Type** textarea

Field Name	Details
	Properties Create, Nillable, Update **Description** Notes and context about the product consumed.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product consumed was last modified. Its label in the user interface is Last Modified Date.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product consumed was last viewed.
PricebookEntryId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Price book associated with the product consumed. If the work order and the product item's associated product are related to the same price book, the Price Book Entry auto-populates based on the product item.
Product2Id	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Product associated with the product consumed.
ProductConsumedNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read Only) Auto-generated number identifying the product consumed.

Field Name	Details
ProductItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Product item associated with the product consumed. Creating a product consumed record subtracts the quantity consumed from the linked product item's quantity.
ProductName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name for the product consumed.
QuantityConsumed	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity of products consumed.
QuantityUnitOfMeasure	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Units of the consumed item; for example, kilograms or liters. Quantity Unit of Measure picklist values are inherited from the Quantity Unit of Measure field on products.
UnitPrice	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** The price per unit of the product consumed.
WorkOrderId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** Work order that the product was consumed for.
WorkOrderLineItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Work order line item that the product was consumed for.

Usage

When a product is consumed during the completion of a work order, create a product consumed record to track its consumption. You can add products consumed to work orders or work order line items. Track product consumption at the line item level if you want to know which products were used for each line item's tasks.

The way you use products consumed depends on how closely you want to track the state of your inventory in Salesforce. If you want to track the entire life cycle of items in your inventory, including their storage, transfer, and consumption, link your products consumed records to product items. This approach ensures that your inventory numbers auto-update to reflect the consumption of products from your inventory. If you want to track product consumption only, however, specify a Price Book Entry on each product consumed record and leave the Product Item field blank.

ProductEntitlementTemplate

Represents predefined terms of customer support (Entitlement) that users can add to products (Product2).

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
EntitlementTemplateId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the entitlement template. Must be a valid ID.

Field	Details
Product2Id	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Product2 associated with the entitlement template. Must be a valid ID.

Usage

Use to query and manage entitlement templates.

SEE ALSO:

Entitlement

ProductItem

Represents the stock of a particular product at a particular location in field service, such as all bolts stored in your main warehouse.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product item was last modified. Its label in the user interface is Last Modified Date.

Field Name	Details
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product item was last viewed.
LocationId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Location associated with the product item. This usually indicates where the product item is stored.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The product item's owner.
Product2Id	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Product associated with the product item, which represents the type of product in your inventory.
ProductItemNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read Only) Auto-generated number identifying the product item.
ProductName	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description A name for the product item. Try to select a name that indicates what is being stored where; for example, Batteries in Warehouse A.
QuantityOnHand	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity at the location. If you want to add a serial number, this value must be 1.
QuantityUnitOfMeasure	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Units of the product item; for example, kilograms or liters. Quantity Unit of Measure picklist values are inherited from the Quantity Unit of Measure field on products.
SerialNumber	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A unique number for identification purposes. If you want to enter a serial number, the Quantity on Hand must be 1.

Usage

Each product item is associated with a product and a location in Salesforce. If a product is stored at multiple locations, the product will be tracked in a different product item for each location.

ProductItemTransaction

Represents an action taken on a product item in field service. Product item transactions are auto-generated records that help you track when a product item is replenished, consumed, or adjusted.

Supported Calls

`create()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** A description of the transaction. The description is blank when the transaction record is created, but can be updated.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`ProductItemId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The associated product item.
`ProductItemTransactionNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort

Field Name	Details
	Description (Read Only) Auto-generated number identifying the product item transaction.
`Quantity`	**Type** double **Properties** Create, Filter, Sort **Description** The quantity of the product item involved in the transaction. If inventory was consumed, the quantity is negative.
`RelatedRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read Only) The product consumed or product transfer related to the action. If the action wasn't related to consumption or transfer, the related record is blank.
`TransactionType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The action that the transaction tracks. • Replenished: When a part is stocked or restocked at a location. A Replenished transaction is created when a product item is created or a transfer is marked received. • Consumed: When parts are consumed to complete a work order. A Consumed transaction is created when a record is added to the Products Consumed related list on a work order or work order line item. • Adjusted: When there is a discrepancy or a change in consumption. An Adjusted transaction is created when a product item's Quantity on Hand is edited, a product consumed is updated or delete, or a product transfer is deleted. • Transferred: When parts are transferred from one location to another.

ProductRequest

Represents an order for a part or parts in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account associated with the product request.
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The case associated with the product request.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only if the multicurrency feature is enabled. Contains the ISO code for any currency allowed by the organization. The label in the user interface is `Currency ISO Code`.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** A text field for details not recorded in the provided fields.

Field Name	Details
DestinationLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Where the product is delivered.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product request was last modified. Its label in the user interface is Last Modified Date.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product request was last viewed.
NeedByDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date the product must be delivered by.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the shipment.
ProductRequestNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort

Field Name	Details
	Description An auto-assigned number that identifies the shipment.
ShipToAddress	**Type** address **Properties** Filter, Nillable **Description** The address that the product is to be delivered to.
ShipToCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city that the product is to be delivered to.
ShipToCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country that the product is to be delivered to.
ShipToGeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The accuracy of the geocode for the shipping address.
ShipToLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The latitude of the location where the product is to be delivered to.
ShipToLongitude	**Type** double

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The longitude of the location where the product is to be delivered to.
ShipToPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the address where the product is to be delivered to.
ShipToState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The name of the state where the product is to be delivered to.
ShipToStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street address where the product is to be delivered to.
ShipmentType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The type of shipment. The picklist includes the following values by default: • None • Rush • Overnight • Next Business Day • Pick Up
SourceLocationId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The location the product is shipped from.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** Status of the product transfer.
`WorkOrderId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order that the product request is related to.
`WorkOrderLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order line item that the product request is related to.

ProductRequestFeed

Represents a single feed item on an product request record detail page.

A product request feed shows changes to a product request record for fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to product requests in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"

- “Modify All” on the Account object
- “Moderate Chatter”

Note: Users with the “Moderate Chatter” permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of ProductRequestFeed. Required when Type is `TextPost`. Optional when Type is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn’t updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn’t counted until it's approved by an admin or a person with “CanApproveFeedPostAndComment” or “ModifyAllData” permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the InsertedBy value is set to the ID of the logged-in user.

Field Name	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort

Field Name	Details
	Description The URL of a `LinkPost`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the product request record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence.

Field Name	Details
	• `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case

Field Name	Details
	Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

ProductRequestHistory

Represents historical information about changes that have been made to the standard fields of the associated product request, or to any custom fields with history tracking enabled.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the product request field that was modified, or a special value to indicate some other modification to the product request.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** New value of the modified product request field. Maximum of 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified product request field. Maximum of 255 characters.
`ProductRequestId`	**Type** reference

Field Name	Details
	Properties Filter, Group, Sort **Description** ID of the product request associated with this record.

Usage

Product request history entries are automatically created each time a product request is modified.

ProductRequestLineItem

Represents a request for a part in field service. Product request line items are components of product requests.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account associated with the product request line item.
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The case associated with the product request line item.

Field Name	Details
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Details not recorded in the provided fields.
DestinationLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Where the product is delivered.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
NeedByDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date the product must be delivered by.
ParentId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The product request that the line item belongs to.
`Product2Id`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The product associated with the product request line item.
`ProductRequestLineItemNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read Only) An auto-assigned number that identifies the product request line item.
`QuantityRequested`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The amount requested.
`QuantityUnitOfMeasure`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Units of the requested product; for example, grams, liters, or units. The picklist values can be customized.
`ShipToAddress`	**Type** address **Properties** Filter, Nillable **Description** The physical address where the product is needed.

Field Name	Details
ShipToCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the address where the product is needed.
ShipToCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country of the address where the product is needed.
ShipToGeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Accuracy level of the geocode for the address where the product is needed. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipToLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of the address where the product is needed. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipToLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description Used with Latitude to specify the precise geolocation of the address where the product is needed. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipToPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the address where the product is needed.
ShipToState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the address where the product is needed.
ShipToStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street of the address where the product is needed.
ShipmentType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The type of shipment. The picklist includes the following values, which can be customized: • Rush • Overnight • Next Business Day • Pick Up

Field Name	Details
SourceLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Where the product is at the time of the request.
Status	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the shipment. The picklist includes the following values, which can be customized: • Draft • Submitted • Received
WorkOrderId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order for which the product is needed.
WorkOrderLineItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order line item for which the product is needed.

ProductRequestOwnerSharingRule

Represents the rules for sharing a product request with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A product request owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`ServiceResourceAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ProductRequestShare

Represents a sharing entry on a product request object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Level of access that the User or Group has to the product request.. The possible values are: • `Read` • `Edit` • `All` This value is not valid when creating or updating these records.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the product request associated with the sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write a value in this field when its value is either omitted or set to `Manual` (default). Values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the Lead with them. • `Owner`—The User is the owner of the Lead. • `Rule`—The User or Group has access via a Lead sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the product request. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit product requests owned by other users.

If you attempt to create a record that matches an existing record, the existing record is returned.

ProductRequired

Represents a product that is needed to complete a work order or work order line item in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product required was last modified. Its label in the user interface is Last Modified Date.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product required was last viewed.
`ParentRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The work order or work order line item that the product is required for.
`ParentRecordType`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description Indicates whether the parent record is a work order or a work order line item.
`Product2Id`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The required product.
`ProductName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the product required.
`ProductRequiredNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) Auto-generated number identifying the product required.
`QuantityRequired`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Quantity required of the product.
`QuantityUnitOfMeasure`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Units of the required product; for example, kilograms or liters. Quantity Unit of Measure picklist values are inherited from the Quantity Unit of Measure field on products.

Usage

Required products can be added to work types, work orders, and work order line items to ensure that the assigned service resource arrives with the right equipment.

Adding required products to work types saves you time and keeps your business processes consistent. Work orders and work order line items inherit their work type's required products. For example, if all light bulb replacement jobs require a ladder and a light bulb, add the ladder and light bulb as required products to your Light Bulb Replacement work type. When it's time to create a work order for a customer's light bulb replacement, applying that work type to the work order adds the required products.

ProductTransfer

Represents the transfer of inventory between locations in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Details not recorded in the provided fields.
`DestinationLocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The place the product is to be delivered.
`ExpectedPickupDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description Date the product is expected to be picked up.
IsReceived	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Checkbox identifying that the product was received.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product request was last modified. Its label in the user interface is Last Modified Date.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the product request was last viewed.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Owner of the product transfer.
Product2Id	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the product associated with the product transfer.
ProductRequestId	**Type** reference

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Lookup field for the product request associated with the product transfer.
ProductRequestLineItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the product request line item associated with the product transfer.
ProductTransferNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-assigned number that identifies the product transfer.
QuantityReceived	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Amount of product received at the destination location.
QuantitySent	**Type** double **Properties** Create, Filter, Sort, Update **Description** Amount of product sent from the source location.
QuantityUnitOfMeasure	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The units of the product, for example grams, liters, or units.
ReceivedById	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the contact who received the product at the destination location.
`ReturnOrderId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The return order associated with the product transfer.
`ReturnOrderLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The return order line item associated with the product transfer.
`ShipmentExpectedDeliveryDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Lookup field for the shipment related to the product transfer.
`ShipmentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the shipment related to the product transfer.
`ShipmentStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Lookup field for the shipment related to the product transfer.
`ShipmentTrackingNumber`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Lookup field for the shipment related to the product transfer.
`ShipmentTrackingUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** Lookup field for the shipment related to the product transfer.
`SourceLocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the source location related to the product transfer.
`SourceProductItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Lookup field for the product item related to the product transfer.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** Status of the product transfer.

ProductTransferFeed

Represents a single feed item in the feed displayed on the detail page for a product transfer record.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is TextPost. Optional when `Type` is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The numbers of FeedComments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>`

Field Name	Details
	• `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ProfileSkillUser record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed items directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher.

Field Name	Details
	• `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

ProductTransferHistory

Represents historical information about changes that have been made to the standard fields of the associated product transfer, or to any custom fields with history tracking enabled.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the product transfer field that was modified, or a special value to indicate some other modification to the order.
`NewValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** New value of the modified product transfer field. Maximum of 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified product transfer field. Maximum of 255 characters.
`ProductTransferId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the product transfer associated with this record.

ProductTransferOwnerSharingRule

Represents the rules for sharing a product transfer with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.

Field	Details
DeveloperName	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A product transfer owned by a User in the source Group triggers the rule to give access.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
ServiceResourceAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`

Field	Details
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ProductTransferShare

Represents a sharing entry on a product transfer object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the product transfer. The possible values are: • `Read` • `Edit` • `All` This value is not valid when creating or updating these records.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the product transfer associated with the sharing entry.
RowCause	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write a value in this field when its value is either omitted or set to `Manual` (default). Values include: • `Manual`—The User or Group has access because a user with "All" access manually shared the Lead with them. • `Owner`—The User is the owner of the Lead. • `Rule`—The User or Group has access via a Lead sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the product request. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit product transfers owned by other users.

If you attempt to create a record that matches an existing record, the existing record is returned.

Profile

Represents a profile, which defines a set of permissions to perform different operations, such as querying, adding, updating, or deleting information.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `create()`, `retrieve()`, `search()`, `update()` `delete()`

Special Access Rules

- Customer Portal users can't access this object.
- Partner portal users can't access this object.

Fields

Field	Details
Description	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Description of the profile.
IsSsoEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, users assigned to this profile can delegate username and password authentication to a corporate database instead of the user database.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this profile. Available in API version 29.0 and later.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this profile. Available in API version 29.0 and later.
Name	**Type** string **Properties** Filter, Group, Sort, Update **Description** The name of the profile.
PermissionsShowCompanyNameAsUserBadge	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** When on, a user's company name, if available, will be displayed in place of the community role.
`Permissions`*`PermissionName`*	**Type** boolean **Properties** Filter, Update **Description** One field for each permission. If `true`, users assigned to this profile have the named permission. The number of fields varies depending on the permissions for the organization and license type. Tip: To get a list of available permissions in the SOAP API, use `describeSObjects()`.
`UserLicenseId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the UserLicense associated with this profile.
`UserType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The category of user license. Each `UserType` is associated with one or more UserLicense records. Each UserLicense is associated with one or more profiles. In API version 10.0 and later, valid values include: • Standard: user license. This user type also includes Salesforce Platform and Salesforce Platform One user licenses. Label is **Standard**. • PowerPartner: User whose access is limited because he or she is a partner and typically accesses the application through a partner portal or community. Label is **Partner**. • CSPLitePortal: user whose access is limited because he or she is an organization's customer and accesses the application through aCustomer Portal or community. Label is **High Volume Portal**. • CustomerSuccess: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal User**.

Field	Details
	• PowerCustomerSuccess: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal Manager**. Users with this license type can view and edit data they directly own or data owned by or shared with users below them in the Customer Portal role hierarchy. • CsnOnly: user whose access to the application is limited to Chatter. This user type includes Chatter Free and Chatter moderator users. Label is **Chatter Free**. `UserType` replaces `LicenseType`, which is unavailable as of API version 10.0. In API versions 8.0 and 9.0 `LicenseType` is still available with the following valid values: • AUL: Lightning Platform user license. Label is **Apex Platform**. • AUL1: Lightning Platform user license with only one user. Label is **Apex Platform One**. • Salesforce: Salesforce user license. Label is **Salesforce**. • PackageManager: user who can create and work with managed packages for Salesforce AppExchange. Label is **Package Manager**. • PRM: user whose access is limited because he or she is a partner and typically accesses the application through a partner portal. Label is **Partner**. • CustomerUser: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal User**. • CustomerManager: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal Manager**. Users with this license type can view and edit data they directly own or data owned by or shared with users below them in the Customer Portal role hierarchy.

Usage

Use the Profile object to query the set of currently configured user profiles in your organization. Your client application can use Profile objects to obtain valid profile IDs for use when querying or modifying users through the API.

In the user interface, profiles can be used to assign user licenses from specific pools (Lightning Platform user license or Salesforce user license, for example). If a user is assigned to a profile with a different license type, the number of available licenses in the old license type pool increases, one per user changed, and decreases by the same amount in the new license type pool.

SEE ALSO:

Object Basics

PermissionSet

ProfileSkill

Represents a profile skill, which describes a user's professional knowledge. This is a global record for the organization, and users are associated through the ProfileSkillUser object.

Note: For information about Life Agent skills, see the Skill topic.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** Description of the profile skill.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp indicating when the current user last viewed a record related to this profile skill. Available in API version 29.0 and later.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp indicating when the current user last viewed this profile skill. Available in API version 29.0 and later.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the profile skill.
`OwnerId`	**Type** reference

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the profile skill.
`UserCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of users with the profile skill.

Usage

Use the ProfileSkill object to look up the attributes of a skill that can be assigned to a user. This is a global object and is not owned by any specific user.

ProfileSkillEndorsement

Represents a detail relationship of ProfileSkillUser. An endorsement of a profile skill shows approval and support of another user's publicly declared skill.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the profile skill being endorsed.
`ProfileSkillUserId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the ProfileSkillUser record that is being endorsed.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user ID of the person giving the endorsement.

Usage

Use the ProfileSkillEndorsement object to query about a single endorsement given to a user about a specific skill. Users can't endorse themselves, they can only be endorsed by others unless they are administrators with the "Modify All Data" permission.

ProfileSkillEndorsementFeed

Represents a single feed item in the feed displayed on the detail page for a ProfileSkillEndorsement record. This object is available in API version 34.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is TextPost. Optional when `Type` is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The numbers of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets `Type` to ContentPost.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field Name	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ProfileSkillEndorsement record that is tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description The title of the FeedItem. When the `Type` is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply.

Field Name	Details
	• `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

ProfileSkillEndorsementHistory

Represents the history of changes to the fields of a ProfileSkillEndorsement.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The profile skill endorsement changed field.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the profile skill endorsement field.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The old value of the profile skill endorsement field.

Field Name	Details
ProfileSkillEndorsementId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the profile skill endorsement.

Usage

Use this read-only object to identify changes to a ProfileSkillEndorsement.

ProfileSkillFeed

Represents a single feed item in the feed displayed on the detail page for a profile skill.

A ProfileSkill feed shows recent changes to a ProfileSkill record for any fields that are tracked in feeds, and comments and posts about the record. It is a useful way to stay up-to-date with changes to solutions.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the ProfileSkillFeed. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.

Field Name	Details
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is the size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. This field is the MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field Name	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the object type to which the FeedItem object is related. For example, set this field to a `UserId` to post to someone's profile feed, or an `AccountId` to post to a specific account.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `Type ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of ProfileSkillFeed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply.

Field Name	Details
	• `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Usage

Use this object to track changes for a ProfileSkill record.

ProfileSkillHistory

Represents the history of changes to the fields of a ProfileSkill.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ProfileSkillId`	**Type** reference **Properties** Filter, Group, Sort **Description** Required. ID of the ProfileSkill.

Usage

Use this read-only object to identify changes to a ProfileSkill.

ProfileSkillShare

Represents a sharing entry on a ProfileSkill.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the ProfileSkill. The possible values are: • Read • Edit • All (This value is not valid for create() or update() calls.) This value must be set to an access level that is higher than the organization's default access level for ProfileSkill objects.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values may include: • Manual—The User or Group has access because a user with "All" access manually shared the ProfileSkill with them. • Owner—The User is the owner of the ProfileSkill or is in a role above the ProfileSkill owner in the role hierarchy.
UserOrGroupId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the ProfileSkill.

Usage

This object is read only. It is visible because of constraints to the ProfileSkill object, but it is ignored and does not control which users and groups can view and edit ProfileSkill records owned by other users.

ProfileSkillUser

Represents a detail relationship of User. The object connects profile skills with users.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`EndorsementCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of endorsements.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the skill user.
`ProfileSkillId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the ProfileSkill.
UserId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the user. This field can't be changed once it is created.

Usage

Use this object to assign specific skills to specific users. ProfileSkillUser appears on the Overview tab on the Chatter profile page. Users can only create a skill mapping for themselves, they can't create skill mappings for others unless they are administrators with the "Modify All Data" permission. Additionally, users can only edit this object if they are the context user and are not editing the `UserId` field.

ProfileSkillUserFeed

Represents a single feed item in the feed displayed on the detail page for a ProfileSkillUser record. This object is available in API version 34.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is TextPost. Optional when `Type` is ContentPost or LinkPost. This field is the message that appears in the feed.
CommentCount	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The numbers of FeedComments associated with this feed item.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets `Type` to ContentPost.
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
ContentType	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field Name	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the ProfileSkillUser record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description The title of the FeedItem. When the `Type` is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed items directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply.

Field Name	Details
	• `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

ProfileSkillUserHistory

Represents the history of changes to the fields of a ProfileSkillUser.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.

Field Name	Details
`ProfileSkillUserId`	**Type** reference **Properties** Filter, Group, Sort **Description** Required. ID of the ProfileSkillUser.

Usage

Use this read-only object to identify changes to a ProfileSkillUser.

PushTopic

Represents a query that is the basis for notifying listeners of changes to records in an organization. This is available from API version 21.0 or later.

Supported Calls

REST: DELETE, GET, PATCH, POST (query requests are specified in the URI)

SOAP: `create()`, `delete()`, `describe()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`

Special Access Rules

- This object is only available if Streaming API is enabled for your organization.
- Only users with "Create" permission can create this record.

Fields

Field	Field Type	Description
`ApiVersion`	double	Required. API version to use for executing the query specified in `Query`. It must be an API version greater than 20.0. If your query applies to a custom object from a package, this value must match the package's `ApiVersion`. Example value: 43.0 **Field Properties:** Create, Filter, Sort, Update
`Description`	string	Description of the PushTopic. Limit: 400 characters **Field Properties:** Create, Filter, Sort, Update

Field	Field Type	Description
ID	ID	System field: Globally unique string that identifies a record. **Field Properties:** Default on create, Filter, Group, idLookup, Sort
isActive	boolean	Indicates whether the record currently counts towards the organization's allocation. **Field Properties:** Create, Default on create, Filter, Group, Sort, Update
IsDeleted	boolean	System field: Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). **Field Properties:** Default on create, Filter, Group, Sort
Name	string	Required. Descriptive name of the PushTopic, such as `MyNewCases` or `TeamUpdatedContacts`. Limit: 25 characters. This value identifies the channel and must be unique. **Field Properties:** Create, Filter, Group, Sort, Update
NotifyForFields	picklist	Specifies which fields are evaluated to generate a notification. Valid values: • `All` • `Referenced` (default) • `Select` • `Where` **Field Properties:** Create, Filter, Sort, Update
NotifyForOperations	picklist	Specifies which record events may generate a notification. Valid values: • `All` (default) • `Create` • `Extended` • `Update` **Field Properties for API version 28.0 and earlier:** Create, Filter, Sort, Update **Field Properties for API version 29.0 and later:** Filter, Sort In API version 29.0 and later, this field is read-only, and will not contain information about delete and undelete events. Use `NotifyForOperationCreate`, `NotifyForOperationDelete`, `NotifyForOperationUndelete` and `NotifyForOperationUpdate` to specify which record events should generate a notification. A value of `Extended` means that neither create or update operations are set to generate events.
NotifyForOperationCreate	boolean	`true` if a create operation should generate a notification, otherwise, `false`. Defaults to `true`. This field is available in API version 29.0 and later.

Field	Field Type	Description
NotifyForOperationDelete	boolean	`true` if a delete operation should generate a notification, otherwise, `false`. Defaults to `true`. Clients must connect using the `cometd/29.0` (or later) Streaming API endpoint to receive delete and undelete event notifications. This field is available in API version 29.0 and later.
NotifyForOperationUndelete	boolean	`true` if an undelete operation should generate a notification, otherwise, `false`. Defaults to `true`. Clients must connect using the `cometd/29.0` (or later) Streaming API endpoint to receive delete and undelete event notifications. This field is available in API version 29.0 and later.
NotifyForOperationUpdate	boolean	`true` if an update operation should generate a notification, otherwise, `false`. Defaults to `true`. This field is available in API version 29.0 and later.
Query	string	Required. The SOQL query statement that determines which record changes trigger events to be sent to the channel. Limit: 1,300 characters **Field Properties:** Create, Filter, Sort, Update

PushTopic and Notifications

The PushTopic defines when notifications are generated in the channel. This is specified by configuring the following PushTopic fields:

- PushTopic Queries
- Events
- Notifications

QuantityForecast

Represents a quantity-based forecast.

The API also provides revenue-based forecasts using RevenueForecast.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Requires the "View All Data" permission.
- Customer Portal users can't access this object.

Fields

Field	Details
`Closed`	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. A rollup of opportunities or opportunity line items that have closed in this period.
`Commit`	**Type** double **Properties** Filter, Nillable, Sort **Description** The owner's Commit total.
`CommitComment`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Read-only. The comment entered when the owner edited his or her **Commit** total from the **Adjusted Total** link on the forecast edit page.
`CommitOverride`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Read-only. The owner's override of their own **My Commit** total.
`DefaultRollupCommit`	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The owner's standard **Commit** rollup, including their own opportunities and forecast-level overrides from subordinate users in the role hierarchy.
`DefaultRollupUpside`	**Type** double

Field	Details
	Properties Filter, Nillable, Sort **Description** Read-only. The owner's standard **Best Case** rollup, including their own opportunities and forecast-level overrides from subordinate users in the role hierarchy.
InvalidationDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Read-only. If not blank, indicates that the rollup numbers for **Forecast Override** fields that represent calculated (summarized) amounts may not be up to date.
ManagerChoiceCommit	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Read-only. The manager's choice regarding the commit amount: • DefaultRollup: Use the manager's default commit rollup for owner's forecast, which reflects the manager's opportunity forecast overrides. • AcceptForecast (default selection): Accept the forecast owner's **Adjusted Total** commit amount, which may or may not be an override. • ManagerManualOverride: Use the manager's manual override. • OpportunityOnlyRollup: Use the opportunity rollup, including opportunity forecast overrides, but excluding any forecast-level (**Adjusted Total**) overrides.
ManagerChoiceUpside	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Read-only. The manager's choice regarding the best case amount: • DefaultRollup: Use the manager's default best case rollup for owner's forecast, which reflects the manager's opportunity forecast overrides. • AcceptForecast (default selection): Accept the forecast owner's **Adjusted Total** best case amount, which may or may not be an override. • ManagerManualOverride: Use the manager's manual override. • OpportunityOnlyRollup: Use the opportunity rollup, including opportunity forecast overrides, but excluding any forecast-level (**Adjusted Total**) overrides.

Field	Details
ManagerClosed	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The manager's closed total for the owner's forecast, including any opportunity or opportunity product overrides made by the manager.
ManagerCommit	**Type** double **Properties** Filter, Nillable, Sort **Description** The manager's Commit total.
ManagerCommitOverride	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Read-only. The manager's manual override of the forecast owner's **Commit** total. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerDefaultRollupCommit	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The manager's standard **Commit** rollup for the forecast owner. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerDefaultRollupUpside	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The manager's standard **Best Case** rollup for the forecast owner. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.

Field	Details
ManagerId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Read-only. ID of the direct manager of the user who owns this forecast.
ManagerOpportunityRollupCommit	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The manager's view of the forecast owner's opportunity-level **Commit** rollup, ignoring all forecast overrides. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerOpportunityRollupUpside	**Type** double **Properties** Filter, Nillable, Sort **Description** Read-only. The manager's view of the forecast owner's opportunity-level **Best Case** rollup, ignoring all forecast overrides. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerPipeline	**Type** double **Properties** Filter, Nillable, Sort **Description** The manager's pipeline total for the owner's forecast, including any opportunity or opportunity product overrides made by the manager.
ManagerUpside	**Type** double **Properties** Filter, Nillable, Sort **Description** The manager's Best Case total.

Field	Details
`ManagerUpsideOverride`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The manager's manual override of the forecast owner's **Best Case** total. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
`OpportunityRollupClosed`	**Type** double **Properties** Filter, Nillable, Sort **Description** The owner's **Closed** total for his or her opportunities only.
`OpportunityRollupCommit`	**Type** double **Properties** Filter, Nillable, Sort **Description** The owner's **Commit** total for his or her opportunities only.
`OpportunityRollupPipeline`	**Type** double **Properties** Filter, Nillable, Sort **Description** The owner's **Pipeline** total for his or her opportunities only.
`OpportunityRollupUpside`	**Type** double **Properties** Filter, Nillable, Sort **Description** The owner's **Best Case** total for his or her opportunities only.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort

Field	Details
	Description ID of the User who owns this forecast. Required on create.
`PeriodId`	**Type** reference **Properties** Filter, Nillable, Group, Sort **Description** The ID of the Period that contains the `StartDate`.
`Pipeline`	**Type** double **Properties** Filter, Nillable, Sort **Description** The total pipeline rollup from subordinates in the role hierarchy, including the owner's opportunities.
`ProductFamily`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort **Description** The value chosen in the Product Family picklist, which can be configured from the object management settings for products. This field is relevant if you have chosen Product Families as the Forecast Type in Forecasts Settings. If you are not forecasting by product family or if the forecast represents opportunities that are not associated with a product family, then this field is blank. Required on create.
`Quota`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The quota amount for the period. You can create, update, upsert, and delete. Requires the “Modify All Data” and “Manage Users” permission. Required on create.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort

Field	Details
	Description The start date of this forecast. The ID of the Period that contains this date is written to the `PeriodId` field if it changes. A new Period is created if none exists. Required on create.
`Upside`	**Type** currency **Properties** Filter, Nillable **Description** The owner's **Best Case** total.
`UpsideComment`	**Type** string **Properties** Filter, Nillable, Update **Description** The comment entered when the owner edited his or her **Best Case** total.
`UpsideOverride`	**Type** double **Properties** Filter, Nillable, Update **Description** Read only. The owner's override of their own My **Best Case** total.

Usage

Query this object to support customizable forecasts based on quantities.

You can update one field, `Quota`, which means that you can mass update sales users' quotas instead of updating them one by one in the user interface. Editing `Quota`, which means that you can mass update sales users' quotas instead of updating them one by one in the user interface. Editing `Quota` requires the “Modify All Data” and “Manage Users” permissions.

The rollup fields always reflect opportunity and opportunity product overrides by the forecast owner or one of the forecast owner’s subordinates in the role hierarchy. In addition, the manager rollup fields include overrides by the forecast owner's direct manager in the role hierarchy.

Some of the rollup fields ignore forecast-level (**Adjusted Total**) overrides, but they never ignore opportunity forecast overrides that are visible to the owner or manager.

SEE ALSO:

RevenueForecast

QuantityForecastHistory

QuantityForecastHistory

Represents historical information about quantity-based forecasts that have been submitted (saved) in the user interface.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- Requires the "View All Data" permission.
- Customer Portal users can't access this object.

Fields

Field	Details
`Closed`	**Type** double **Properties** Filter, Nillable, Sort **Description** The closed amount of the forecast.
`Commit`	**Type** double **Properties** Filter, Nillable, Sort **Description** The commit amount of the forecast.
`CommitComments`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Comments about the commit value.
`CommitOverridden`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the commit value was overridden (`true`) or not (`false`).
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`ForecastOverrideId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the related forecast override.
`Pipeline`	**Type** double **Properties** Filter, Nillable, Sort **Description** The pipeline amount of the forecast.
`Quota`	**Type** currency **Properties** Filter, Nillable **Description** The quota amount of the forecast.
`Upside`	**Type** currency **Properties** Filter, Nillable **Description** The best case amount of the forecast.
`UpsideComments`	**Type** string

Field	Details
	Properties Filter, Nillable **Description** Comments about the upside value.
`UpsideOverridden`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the upside value was overridden (`true`) or not (`false`).

Usage

This is a read-only object specific to customizable forecasting.

When a user submits a revenue-based forecast in the user interface, a new record is created. If the same forecast is ever resubmitted, additional records are added. The `CreatedDate` of a record reflects the day on which the forecast was submitted. This object respects field level security on the parent object.

SEE ALSO:

QuantityForecast

RevenueForecastHistory

QueueRoutingConfig

Represents the settings that determine how work items are routed to agents. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`CapacityPercentage`	**Type** percent **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description The percentage of an agent's capacity for work items that's consumed by a specific type of work item from this service channel. For example, you might give phone calls a capacity percentage of *100*. If an agent receives a phone call, the agent won't receive new work items until the call ends, because at that point the agent's capacity will have reached 100%. This field is available in API version 33.0 and later.
CapacityWeight	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The amount of an agent's capacity for work items that's consumed by a work item from this service channel. For example, if an agent has a capacity of *6*, and cases are assigned a capacity weight of *2*, an agent can be assigned up to 3 cases before the agent is at capacity and can't receive new work items. This field is available in API version 33.0 and later.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the presence status.

Field	Details
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label of the presence status.
`OverflowAssigneeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the user or queue that's set as the Overflow Assignee.
`PushTimeout`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The number of seconds set for push timeout. **0** is returned when push timeout isn't enabled. Available in API version 36.0 and later.
`RoutingModel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The routing type that determines how work items are routed (pushed) to agents. Possible values are `Least Active` and `Most Available`.
`RoutingPriority`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The priority in which work items from the service channels that are related to this routing configuration are routed to agents. Work items from routing configurations that have lower priority values (for example, *0*) are routed to agents first.
`ServiceChannelId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the service channel that's associated with this configuration.

Question

Represents a question in a community that users can view and reply to.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`BestReplyId`	**Type** reference **Properties** Filter, Group, Nillable, Sort, Update **Description** The ID of the Reply that has been identified as the best answer to the question. You must use the user interface to identify the best answer for a question.
`BestReplySelectedById`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the User who selected the best answer to the question. This field is available in API version 24.0 and later. In API version 24.0 through version 29.0, you must update this field using the UI. In API version43.0 and later, you can update this field using the API.
`Body`	**Type** textarea **Properties** Create, Nillable, Update

Field	Details
	Description Description of the question.
CommunityId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The zone ID associated with the question. Once you create a question, you can't change the zone ID associated with that question.
CreatorFullPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name of the user who posted the question or reply. Only the first name of internal users (agents) appears to portal users in the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
CreatorSmallPhotoUrl	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's thumbnail photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
HasSingleFieldForContent	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the content of a Chatter Answers question is: • Included in only one field: `Title` if the content is unformatted and less than 255 characters; or `Body` if the content is formatted or more than 255 characters (`true`) • Included in two fields: `Title` and `Body` (`false`) This field also determines if content displays in one or two fields in Chatter Answers question feeds. This field is available in API version 25.0 and later.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastReplyDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time the last reply (child Reply object) was posted.
`LastReplyId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Read only. The ID of the last reply (child Reply object) posted to the question.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`MostReportAbusesOnReply`	**Type** int

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The most number of user-reported abuses on a Reply associated with the question. This field is available in API version 24.0 and later.
`NumReplies`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of replies (child Reply object) that users have submitted for the question.
`NumReportAbuses`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Represents the number of user-reported abuses on the question. This field is available in API version 24.0 and later.
`NumSubscriptions`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Represents the number of users following the question. This field is available in API version 24.0 and later.
`Origin`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The source of the question, such as `Chatter Answers`. This field is available in API version 24.0 and later.
`Title`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update

Field	Details
	Description The descriptive title of the question.
`UpVotes`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total number of up votes for the question.
`VoteScore`	**Type** double **Properties** Filter , Nillable, Sort **Description** The internal score of the question, used to sort questions and articles on the Popular tab in the application user interface. The internal algorithm that determines the score gives older votes less weight than newer votes, simulating exponential decay. The score itself does not display in the application user interface. Note: Unlike other fields of type double, you can't use a SOQL aggregate function with this field.

Usage

Use this object to track questions in azone.

QuestionDataCategorySelection

A data category selection represents a data category that classifies a question.

This object can be used to associate a question with a data category from a data category group or to query the categorization for a question.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

To create, read or update data category selection, you must have create, read or update permission on the categorized question. Users who can update question can also delete its category selection. Users who can create questions can only select categories visible to their role.

Fields

Field Name	Details
DataCategoryGroupName	**Type** DataCategoryGroupReference **Properties** Create **Description** Unique name of the data category group which has a category associated with the question.
DataCategoryName	**Type** DataCategoryGroupReference **Properties** Create **Description** Unique name of the data category associated with the question.
ParentId	**Type** reference **Properties** Create, Filter **Description** ID of the question associated with the data category selection.

Usage

Every question can be categorized in a data category. You can use the QuestionDataCategorySelection object to query and manage question categorization. Client applications can create categorization for a question. They can also delete, query, and retrieve question categorization.

Warning: Even though the API lets you select more than one category for QuestionDataCategorySelection, the Answers tab only supports one data category selection for questions. Selecting multiple categories through QuestionDataCategorySelection may result in unexpected behavior in the Answers tab, such as losing your multiple selections. You should only select one data category when using QuestionDataCategorySelection.

Sample Code—Java

In the following example, the `selectCategory` method adds a category to a question data category selection. The `retrieveCategorySelections` method returns all the categories from a question data category selection.

```
public void selectCategory(ID parentId, String categoryGroupName, String categoryName) {
    try {
        QuestionDataCategorySelection categorySelection = new
```

```
QuestionDataCategorySelection();

        categorySelection.setParentId(parentId);
        categorySelection.setDataCategoryGroupName(categoryGroupName);
        categorySelection.setDataCategoryName(categoryName);
        binding.create(new SObject[]{categorySelection});
    } catch (RemoteException e) {
        System.out.println("An unexpected error has occurred." + e.getMessage());
    }
}

public String[] retrieveCategorySelections(String parentId) {
    QueryResult qr = null;

    try {
        qr = binding.query("SELECT DataCategoryName FROM QuestionDataCategorySelection
WHERE Id = '" + parentId + "'");
    } catch (RemoteException e) {
        System.out.println("An unexpected error has occurred." + e.getMessage());
    }

    String[] categoryNames = new String[qr.getRecords().length];
    for (int index = 0; index < qr.getRecords().length; index++) {
        categoryNames[index] =
((QuestionDataCategorySelection)qr.getRecords()[index]).getDataCategoryName();
    }

    return categoryNames;
}
```

Salesforce Knowledge uses a similar object for article data category selection. See *Article Type*__DataCategorySelection for SOQL examples using this object.

SEE ALSO:

Article Type__DataCategorySelection

QuestionReportAbuse

Represents a user-reported abuse on a Question in a Chatter Answers community. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the Question from which the user reported abuse.
QuestionId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the Question from which the user reported abuse.
Reason	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The reason the user reported abuse on the Question, such as Spam, Hateful, or Inappropriate.

Usage

Use this object to track user-reported abuse on questions created in a Chatter Answers community.

QuestionSubscription

Represents a subscription for a user following a Question. This object is available in API version 24.0 and later.

Supported Calls

create(), delete(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve(), undelete(), update(), upsert()

Fields

Field	Details
CommunityId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the zone associated with the Question the user is following. This field can't be updated.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The name of the question subscription.
QuestionCreatedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Required. Creation date of the Question which the user is following. This field can't be updated.
QuestionId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the Question which the user is following. This field can't be updated.
SubscriberId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the User who is following the Question. This field can't be updated.

Usage

Things to consider when following a Question:

- A user can only follow questions that they have permission to view.
- Administrators and users with the “Modify All Data” permission can configure other users to follow questions that the other user has read access to.
- Administrators and users with the “Modify All Data” permission can configure users to stop following questions.

Queries on QuestionSubscription:

- Users with the “Read” permission on Question can see which questions other users are following.
- A query must include a LIMIT clause and the limit can’t exceed 1,000.
- A query using a `WHERE` clause can only filter by fields on Question.

QueueSobject

Represents the mapping between a queue Group and the sObject types associated with the queue, including custom objects.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object. A queue is a Group whose `Type` is `Queue`. To create a Group, you must have the “Manage Users” permission.

Fields

Field	Details
`QueueId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of a queue.
`SobjectType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** A list of object types that can be associated with the queue specified by the `QueueId`.

Usage

Use this object to associate a queue with the sObject that can be associated with the queue, including custom objects.

SEE ALSO:

Object Basics

QuickText

This object stores a snippet of text that allows users to send a quick response to a customer. Use quick text to create greetings, answers to common questions, short notes, and more. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Category`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** A customizable picklist that can be used to group multiple related quick text records together
`Channel`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Update **Description** A multi-select picklist that can be used to specify where specific quick text messages are available, such as in Live Agent or in the Email publisher in Case Feed.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update

Field Name	Details
	Description The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Message`	**Type** textarea **Properties** Create, Filter (unavailable in API version 25.0 and later), Sort (unavailable in API version 25.0 and later), Update **Description** The content of the quick text record
`Name`	**Type** string **Properties** Create, Filter (unavailable in API version 25.0 and later), Group, Sort (unavailable in API version 25.0 and later), Update **Description** A descriptive label for the quick text record
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the User or Queue that owns the quick text record

Usage

Use this object to create and manage the quick text messages available to users. You can categorize multiple quick text records into groups using the Category field. The Category field can also be a parent to multiple custom-dependent Picklist fields to create a hierarchical structure of categories.

QuickTextHistory

Represents changes to field values on a QuickText object. This object is available in API version 24.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The old value of the field that was changed
`QuickTextId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the QuickText that was changed

Usage

Use this object to identify changes to a QuickText.

QuickTextOwnerSharingRule

Represents a rule for sharing a QuickText object with users other than the owner.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Group, Sort, Update **Description** A value that represents the type of sharing allowed. The possible values are: • `Read` • `Edit`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with

Field Name	Details
	a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupID`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. QuickText objects owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** in the user interface.
`UserorGroupID`	**Type** reference **Properties** Create, Filter **Description** The ID representing the target user or group. Target users or groups have access to the QuickText.

Usage

Use this object to manage the sharing rules for a QuickText object.

SEE ALSO:

Metadata API Developer Guide: SharingRules

QuickTextShare

Represents a sharing entry on a QuickText object. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the QuickText. The possible values are: • `Read` • `Edit` • `All` (This value is not valid for `create()` or `update()` calls.) This value must be set to an access level that is higher than the organization's default access level for QuickText objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.

Field Name	Details
	Values may include: • `Manual`—The User or Group has access because a user with "All" access manually shared the QuickText with them. • `Owner`—The User is the owner of the QuickText or is in a role above the QuickText owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the QuickText

Usage

This object lets you determine which users and groups can view and edit QuickText records owned by other users.

If you attempt to create a new record that matches an existing record, the `create()` call updates any modified fields and returns the existing record.

Quote

The Quote object represents a quote, which is a record showing proposed prices for products and services. Available in API version 18.0 and later.

Quotes can be created from and synced with opportunities, and emailed as PDFs to customers

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the account that's associated with the quote.

Field	Details
AdditionalAddress	**Type** address **Properties** Filter, Nillable **Description** Compound form of the additional address. Read-only. See Address Compound Fields for details on compound address fields.
AdditionalCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City for the quote's additional address. Up to 40 characters allowed.
AdditionalCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Country for the quote's additional address. Up to 80 characters allowed.
AdditionalCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO country code for the quote’s additional address.
AdditionalLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with AdditionalLongitude to specify the precise geolocation of an additional address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
AdditionalLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Used with `AdditionalLatitude` to specify the precise geolocation of an additional address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`AdditionalName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Name associated with the quote's additional address. Limited: 255 characters.
`AdditionalPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal Code for the quote's additional address.
`AdditionalState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the quote's additional address. Up to 80 characters allowed.
`AdditionalStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO state code for the quote’s additional address.
`AdditionalStreet`	**Type** textarea **Properties** Create, Filter, Nillable, Group, Sort, Update **Description** Street name for the quote's additional address.
`BillingAddress`	**Type** address

Field	Details
	Properties Filter, Nillable **Description** Compound form of the billing address. Read-only. See Address Compound Fields for details on compound address fields.
BillingCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City for the quote's billing address. Up to 40 characters allowed.
BillingCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Country for the quote's billing address. Up to 80 characters allowed.
BillingCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO country code for the quote's billing address.
BillingLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLongitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
BillingLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Used with `BillingLatitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`BillingName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Entity that the quote is billed to.
`BillingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal Code for the quote's billing address.
`BillingState`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the quote's billing address. Up to 80 characters allowed.
`BillingStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO state code for the quote’s billing address.
`BillingStreet`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street name for the quote's billing address.
`CanCreateQuoteLineItems`	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Group **Description** This field is not used.
`ContactId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the contact that's associated with the quote.
`ContractId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the contract that's associated with the quote.
`CurrencyIsoCode`	**Type** picklist **Properties** Defaulted on create, Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. If the organization has multicurrency and a `Pricebook2Id` specified on the quote, then the currency value of this field must match the currency of the PricebookEntry objects that are associated with any quote line items it has. This value is copied from the related Opportunity and can't be changed.
`Description`	**Type** textarea **Properties** Nillable **Description** Text description of the quote. Limit: 32,000 characters.
`Discount`	**Type** percent

Field	Details
	Properties Filter, Nillable, Sort **Description** Difference between the sum of the QuoteLineItem record's`Subtotal` and the sum of the QuoteLineItem record's `Discount` totals. Expressed as a percentage.
`Email`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** The email address of the contact who’s associated with the quote.
`ExpirationDate`	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The date when this quote is no longer valid.
`Fax`	**Type** phone **Properties** Create, Filter, Nillable, Update **Description** The fax number for the contact who’s associated with the quote.
`GrandTotal`	**Type** currency **Properties** Filter, Nillable **Description** The total price of the quote plus shipping and taxes.
`IsSyncing`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the quote is syncing with an opportunity.

Field	Details
LastReferencedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
LineItemCount	**Type** int **Properties** Filter, Nillable **Description** The number of line items on the quote.
Name	**Type** string **Properties** Create, Filter, idLookup, Update **Description** Required. Name for the quote. Limit: 225 characters.
OpportunityId	**Type** reference **Properties** Create, Filter **Description** ID for the opportunity associated with the quote.
Phone	**Type** phone **Properties** Create, Filter, Nillable, Update

Field	Details
	Description The phone number of the contact who's associated with the quote.
Pricebook2Id	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the price book associated with the quote.
QuoteNumber	**Type** string **Properties** Defaulted on create, Filter **Description** A system-generated number that identifies the quote.
QuoteToAddress	**Type** address **Properties** Filter, Nillable **Description** Compound form of the quote to address. Read-only. See Address Compound Fields for details on compound address fields.
QuoteToCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City for the address to send the quote to for approval, such as a third party-agency representing a buyer. Up to 40 characters allowed.
QuoteToCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Country for the address to send the quote to for approval. Up to 80 characters allowed.

Field	Details
QuoteToLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with QuoteToLongitude to specify the precise geolocation of a quote to address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
QuoteToLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with QuoteToLatitude to specify the precise geolocation of a quote to address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
QuoteToName	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The name of the entity (such as a person or business) that the quote is sent to for approval. Limit: 255 characters.
QuoteToPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal code for the address to send the quote to for approval.
QuoteToState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the address to send the quote to for approval. Up to 80 characters allowed.

Field	Details
QuoteToStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street name for the address to send the quote to for approval.
RecordTypeID	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the record type assigned to the object.
ShippingAddress	**Type** address **Properties** Filter, Nillable **Description** Compound form of the shipping address. Read-only. See Address Compound Fields for details on compound address fields.
ShippingCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** City for the quote's shipping address. Up to 40 characters allowed.
ShippingCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Country for the quote's shipping address. Up to 80 characters allowed.
ShippingCountryCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description ISO country code for the quote’s shipping address.
`ShippingHandling`	**Type** currency **Properties** Create, Filter, Nillable, Update **Description** The total shipping and handling costs for the quote.
`ShippingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLongitude` to specify the precise geolocation of a shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`ShippingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLatitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`ShippingName`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The name of the entity (such as a person or business) that the quote is sent to for approval.
`ShippingPostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Postal code for the quote's shipping address.

Field	Details
ShippingState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** State for the quote's shipping address. Up to 80 characters allowed.
ShippingStateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ISO state code for the quote’s shipping address.
ShippingStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Street name for the quote's shipping address.
Status	**Type** picklist **Properties** Create, Defaulted on create, Filter, Nillable, Update **Description** The status of the quote. The standard options are: • —None— • Draft • Needs Review • In Review • Approved • Rejected • Presented • Accepted • Denied
Subtotal	**Type** currency

Field	Details
	Properties Filter, Nillable **Description** The sum of sales price multiplied by quantity for line items, not including the discount.
`Tax`	**Type** currency **Properties** Create, Filter, Nillable, Update **Description** The total taxes for the quote.
`TotalPrice`	**Type** currency **Properties** Filter, Nillable **Description** The total of the quote line items after discounts and before taxes and shipping.

Usage

Use Quote to manage proposed product prices for customers. To update a Quote, your client application needs "Edit" permission.

- Client applications can create, update, delete, and query Attachment records associated with a quote via the API.
- You can sync a quote and its parent Opportunity.

SEE ALSO:

QuoteLineItem

QuoteDocument

Opportunity

QuoteDocument

Represents a quote in document format. Available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field	Details
ContentVersionDocumentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID for the document's version.
CurrencyIsoCode	**Type** picklist **Properties** Defaulted on create, Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. If the organization has multicurrency and a Pricebook2Id specified on the quote, then the currency value of this field must match the currency of the PricebookEntry objects that are associated with any quote line items it has.
Discount	**Type** percent **Properties** Filter, Nillable, Sort **Description** The discount for the quote used in the document.
Document	**Type** base64 **Properties** Create, Nillable **Description** The binary data of the document stored in the QuoteDocument object.
GrandTotal	**Type** currency **Properties** Filter, Nillable, Sort **Description** Grand total for the quote used in the document.

Field	Details
Name	**Type** string **Properties** Filter, idLookup, Sort **Description** Name of the quote document.
QuoteId	**Type** reference **Properties** Create, Filter, GroupSort **Description** ID for the quote used for the document.

Usage

Use the QuoteDocument object to store a document that can be used to present the quote information to the customer.

SEE ALSO:

Quote

QuoteLineItem

QuoteFeed

Represents a single feed item on the quote record detail page. This object is available in API version 39.0 and later.

A quote feed shows changes to a quote record for fields that are tracked in feeds, and posts and comments about the record. It's a useful way to stay up-to-date with changes made to quotes in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Account object
- "Moderate Chatter"

> Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The content of QuoteFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`ParentId`	**Type** reference

Field Name	Details
	Properties Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used.

Field Name	Details
	• `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Usage

Use this object to track changes for a quote record.

QuoteLineItem

The QuoteLineItem object represents a quote line item, which is a member of the list of Product2 products associated with a Quote, along with other information about those line items on that quote. Available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

The user must have "Edit" permissions on Quote records in order to create or update quote line items on a quote. The user must have "Edit" permissions on Quote records to delete a quote line item.

Fields

Field	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist **Description** Available only for organizations enabled for multiples currencies. Contains the ISO code for any currency allowed by the organization. If the organization has multicurrency and a Pricebook2 is specified on the quote (the `Pricebook2Id` field is not blank), then the currency value of this field must match the currency of the PricebookEntry objects for any associated quote line items. This value is copied from the related Quote and can't be changed.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the line item. Limit: 225 characters.
`Discount`	**Type** percent

Field	Details
	Properties Create, Filter, Nillable, Sort **Description** Editable number from 0 to 100.
`HasQuantitySchedule`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. Indicates whether the opportunity line item that the quote line item is synced with has a quantity schedule.
`HasRevenueSchedule`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. Indicates whether the opportunity line item that the quote line item is synced with has a revenue schedule. If this object has a revenue schedule, the `GrandTotal` and `TotalPrice` fields can't be updated. In addition, the `Quantity` field can't be updated if this object has a quantity schedule. The system ignores any attempt to update this field. The update isn't rejected but the updated value is ignored.
`HasSchedule`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. Indicates whether the line item uses schedules.
`LineNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** Read-only. Automatically generated number identifying the quote line item. In the form of `QL-XXXXX`.
`ListPrice`	**Type** currency

Field	Details
	Properties Filter, Nillable, Sort **Description** Read-only. Corresponds to the `UnitPrice` on the PricebookEntry that is associated with this line item, which can be in the standard price book or a custom price book. A client application can use this information to show whether the unit price (or sales price) of the line item differs from the price book entry list price.
`OpportunityLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** ID of the related opportunity line item. This field is populated by the API during creation of the quote line item. Not editable. Available in API version 40.0 and later.
`PricebookEntryId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the associated PricebookEntry. Exists only for orgs with Products enabled. In API 38.0 and earlier, if `Product2Id` is populated with `PricebookEntryId` data, you receive an error message. In API 39.0 and later, `Product2Id` is made null, and `PricebookEntryId` is populated with the `PricebookEntryId` data.
`Product2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the Product2 associated with this QuoteLineItem. In API 38.0 and earlier, if `Product2Id` is populated with `PricebookEntryId` data, you receive an error message. In API 39.0 and later, `Product2Id` is made null, and `PricebookEntryId` is populated with the `PricebookEntryId` data.
`Quantity`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The number of units for the line item.

Field	Details
QuoteId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. ID of the associated Quote.
ServiceDate	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Date when the product revenue will be recognized and the product quantity will be shipped.
SortOrder	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The value of where the line item is in the sorted order, such as 1, 2, and so on. The SortOrder value determines the order in which a quote line item displays in the Quote Detail page. Client applications can use this to match the sort order in Salesforce. This field is only available in API versions 21.0 and greater.
Subtotal	**Type** currency **Properties** Filter, Nillable, Sort **Description** The line item's `Quantity` multiplied by the `UnitPrice`.
TotalPrice	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read-only. Calculated by applying the `Discount` to the `Subtotal`. This field is nillable, but you can't set both `TotalPrice` and `UnitPrice` to null in the same update. To insert the `TotalPrice` for a quote line item via the API (given only a unit price and the quantity), calculate this field as the unit price multiplied by the quantity. This field is read-only if the quote line item has a revenue schedule.

Field	Details
UnitPrice	**Type** currency **Properties** Create, Filter, Sort, Update **Description** The price per unit for the quote line item.

Usage

A Quote record can have QuoteLineItem records only if the Quote has a Pricebook2. A QuoteLineItem must correspond to a Product2 that is listed in the quote's Pricebook2.

Note: If the multicurrency option has been enabled, the `CurrencyIsoCode` field is present. It can't be modified, it is always set to the value of the `CurrencyIsoCode` of the parent Quote.

Effects on Quotes

Quotes that have associated QuoteLineItem objects are affected in the following ways:

- Creating a QuoteLineItem increments the Quote value by the `TotalPrice` of the QuoteLineItem.
- When you create or update a QuoteLineItem, the API verifies that the line item corresponds to a PricebookEntry in the Pricebook2 that is associated with the quote.

SEE ALSO:

Quote

QuoteDocument

Opportunity

QuoteOwnerSharingRule

Represents a rule for sharing a Quote with users other than the owner. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • `Read` • `Edit`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. Quotes owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group. The target user or group is being given access.

QuoteShare

Represents a sharing entry on a Quote. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the Quote. The possible values are: • `Read` • `Edit` • `All`—This value is not valid when creating, updating, or deleting records. This field must be set to an access level that's higher than the org's default access level for Quotes.
`ParentId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the parent.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). There are many possible values, including: • `Rule`—The User or Group has access via a Quote sharing rule. • `ImplicitChild`—The User or Group has access to the Quote via sharing access on the associated Account. • `Manual`—The User or Group has access because a User with "All" access manually shared the Quote with them. • `Owner`—The User is the owner of the Quote.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the Quote. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit Quote records owned by other users.

RecentlyViewed

Represents records that the current user has recently viewed or referenced (by viewing a related record).

Supported Calls

`query()`, `update()update()`

Special Usage Rules

The RecentlyViewed object does not support the Task, Report, KnowledgeArticle, and Article objects.

Fields

Field	Details
`Alias`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The alias on the record.
`Email`	**Type** email **Properties** Filter, Group, Nillable, Sort **Description** The email address on the record.
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The first name on the record. If the recently viewed record is a user, this is the user's first name.
`Id`	**Type** ID **Properties** Defaulted on create, Filter, Group, Sort **Description** The ID of the recently viewed record.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the recently viewed record is an active user (`true`) or not (`false`). This field contains a value only if the recently viewed record is a user.

Field	Details
`LastName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The last name on the record.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name on the recently viewed record. If the recently viewed record is a user, contact, or lead, the value is a concatenation of the `firstname` and `lastname` field values.
`NetworkId`	**Type** reference **Properties** Filter,Group, Nillable, Sort **Description** ID of the community that this group is part of. This field is available only if Salesforce Communities is enabled in your organization. You can add a `NetworkId` only when creating a group. You can't change or add a `NetworkId` for an existing group. This field is available in API version 27.0 and later.
`Phone`	**Type** phone

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The phone number on the record.
`ProfileId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** If the recently viewed record is a user, this is the user's profile ID.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** If the recently viewed record is a user, this is the title of the user; for example CFO or CEO.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted, picklistSort **Description** The sObject type for this recently viewed record. Valid values include any standard or custom objects that RecentlyViewed supports.
`UserRoleId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user role associated with this object.

Usage

This object provides a heterogeneous list of different object types and consists of recently viewed records or records that were recently referenced (a related record was viewed). A record is considered viewed when the user sees the details associated with it, but not when the user sees it in a list with other records. Use this object to programmatically construct a list of recently viewed items specific to the current user, for example, on a custom user interface or for search auto-complete options. You can also retrieve a filtered list of records by object type (`Type`). The RecentlyViewed data is periodically truncated down to 200 records per object. RecentlyViewed data is retained for 90 days, after which it is removed on a periodic basis.

Use this query in your code to retrieve a list of all the records that were recently viewed. The results are ordered from most to least recent.

```
SELECT Id, Name
FROM RecentlyViewed
WHERE LastViewedDate !=null
ORDER BY LastViewedDate DESC
```

Use this query to retrieve data that was either viewed or referenced, but only for a limited set of objects.

```
SELECT Id, Name
FROM RecentlyViewed
WHERE Type IN ('Account', 'Contact', 'Plan__c')
ORDER BY LastViewedDate DESC
```

This query retrieves a list of all recently viewed contacts with contact-specific fields, such as the contact's account name, and the custom website field. Records are ordered from most to least recent.

```
SELECT Account.Name, Title, Email, Phone, Website__c
FROM Contact
WHERE LastViewedDate != NULL
ORDER BY LastViewedDate DESC
```

RecordAction

Represents a relationship between a record and a flow. Create a RecordAction for every flow you want associated to a particular record. Available in API version 42.0 and later.

Note: Access to the RecordAction object is determined by a user's access to the associated parent record.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`FlowDefinition`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Required in Lightning Guided Engagement implementations. The developer name of the flow to associate with the record.
`FlowInterviewId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** Optional. The flow interview ID of the paused or completed flow.
Order	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Required. The order of the flow among all flows associated with this record.
Pinned	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Required. Specifies whether the flow is pinned to the top or bottom of the Guided Action List component. Users can't delete pinned flows from the Guided Action List, however they can be deleted using the API. The default value is None. • Top • Bottom • None
RecordId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. Record associated with the flow.
Status	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Required. The current state of the flow. • New • Paused • Complete This field can't be set in Process Builder.

Usage

The RecordAction object works with the Guided Action List component in Lightning Experience. Although this object can be used to create relationships between records and flows in Salesforce Classic, those relationships can't be displayed in Salesforce Classic.

When a FlowDefinition gets deleted, all RecordAction records associated to that FlowDefinition are deleted as well.

When a Flow is completed, the associated RecordAction is deleted.

If you're using the Guided Action List component to display RecordActions, the deleted RecordActions are removed from the list when the page is refreshed.

For more information about the Guided Action List component and how it works with RecordActions, see the Lightning Guided Engagement Developer Guide.

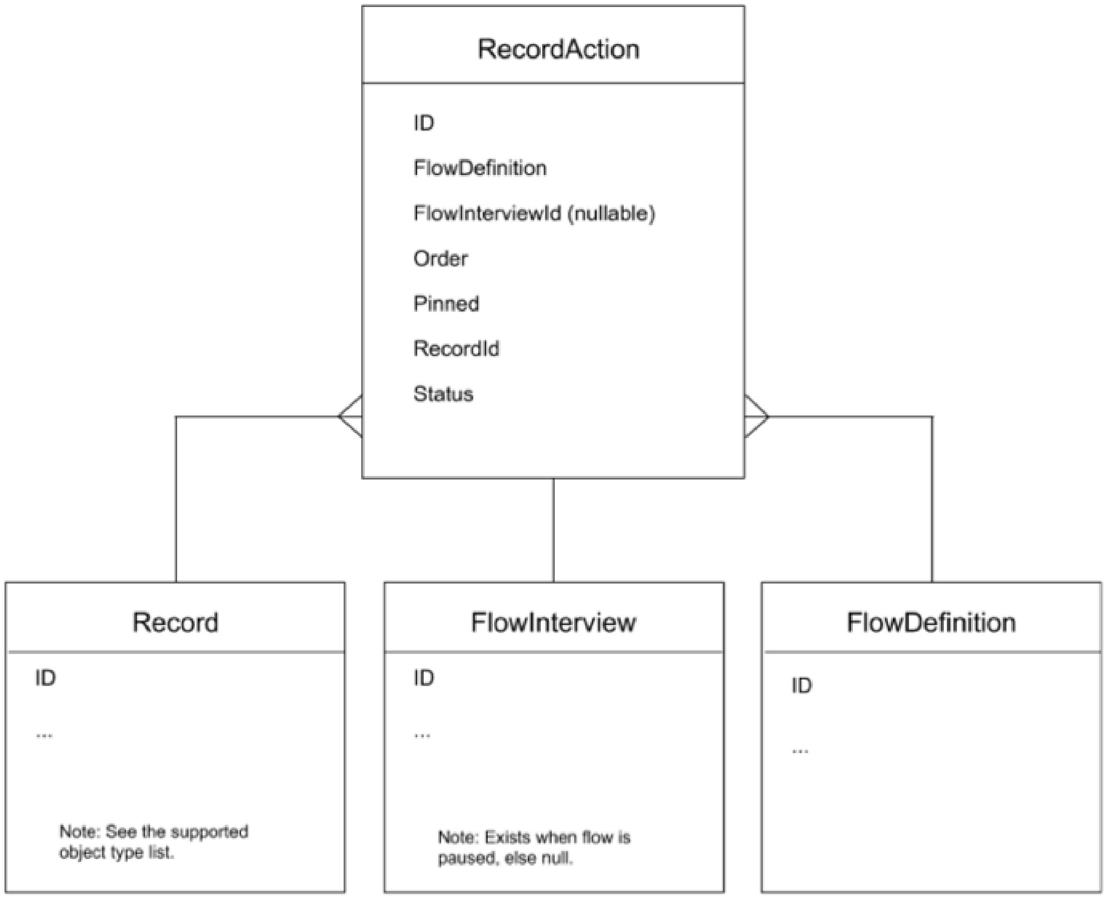
Java Example

Here's an example of how to associate flows to a record using the RecordAction object.

```
public void associateNewCustomerFlowWithAccount(Account a) {
   try {
      RecordAction newRecordAction = new RecordAction();
      newRecordAction.setRecordId(a.getId());
      newRecordAction.setFlowDefinition("New_Customer_Flow");
      newRecordAction.setOrder(1);

      SaveResult[] results = connection
            .create(new SObject[] { newRecordAction });
   } catch (ConnectionException ce) {
      ce.printStackTrace();
   }
}
```

Data Model



RecordType

Represents a record type.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`BusinessProcessId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description Required for Opportunity and Lead record types in API version 17.0 and later. ID of an associated BusinessProcess.
`Description`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A description of this record. Limit: 255 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **Record Type Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether this record is active (`true`) or not (`false`). Only active record types can be applied to records. Label is **Active**.
`IsPersonType`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether this record has been designated as a person account (`true`) or not (`false`). Visible only if the organization has the person account feature enabled.

Field	Details
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Label of the record type in the user interface. Limit: 80 characters. Label is **Record Type Label**.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.
`SobjectType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Object to which this record type applies, including custom objects.

Usage

Use this object to offer different BusinessProcess records and subsets of picklist values to different users based on their Profile. Your client application can describe or query RecordType records.

The following objects have a `RecordTypeId` field:

- Account
- Campaign
- CampaignMember
- Case
- Contact
- Contract
- Lead
- Opportunity
- QuickText
- Solution
- Custom objects

Client applications can create or update values in `RecordTypeId` on these objects, specifying a valid record type ID associated with these objects.

Note: You can't create or update the `RecordTypeId` field on the CampaignMember records. Set the CampaignMember record type using the `CampaignMemberRecordTypeId` field on Campaign.

A client application can retrieve the list of valid record type IDs for a given object by querying the RecordType.

SEE ALSO:

Record Type Objects

RecordTypeLocalization

Represents the translated value of a label for a record type when the Translation Workbench is enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Your organization must be using Professional, Enterprise, Developer, Unlimited, or Performance Edition and be enabled for the Translation Workbench.
- To view this object, you must have the “View Setup and Configuration” permission.

Fields

Field	Details
`Language`	**Type** string

Field	Details
	Properties Create, Filter, Nillable, Restricted picklist **Description** The language for this translated label.
`NamespacePrefix`	**Type** string **Properties** Filter, Nillable **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Nillable **Description** The ID of the RecordType associated with the label that is being translated.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The actual translated label for the record type. Label is **Translation**.

Usage

Use this object to translate the labels of your record types into other supported languages.

Reply

Represents a reply that a user has submitted to a question in an answers community.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Create, Update **Description** Body of this reply.
`CommunityId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The zone ID associated with the question and its reply. This field is available in API version 27.0 and later.
`CreatorFullPhotoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's profile photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
`CreatorName`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Name of the user who posted the question or reply. Only the first name of internal users (agents) appears to portal users in the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later
`CreatorSmallPhotoUrl`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** URL of the user's thumbnail photo from the feed. Chatter Answers must be enabled to view this field. This field is available in API version 26.0 and later.
`DownVotes`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total number of down votes for a reply.
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** When creating a Reply, the `Name` field is automatically populated with a truncated, plain text version of the Reply `Body` field.
`NumReportAbuses`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Represents the number of reported abuses on the reply by users. This field is available in API version 24.0 and later.
`QuestionId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field	Details
	Description ID of the Question to which this reply was made.
`UpVotes`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The total number of up votes for a reply.
`VoteTotal`	**Type** double **Properties** Filter, Nillable, Sort **Description** The total number of all votes for a reply, including up and down votes.

Usage

Use this object to track replies to a Question.

ReplyReportAbuse

Represents a user-reported abuse on a Reply in a Chatter Answers community. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the Reply from which the user reported abuse.

Field	Details
`Reason`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The reason the user reported abuse on the Reply, such as `Spam`, `Hateful`, or `Inappropriate`.
`ReplyId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the Reply from which the user reported abuse.

Usage

Use this object to track user-reported abuse on replies created in a Chatter Answers community.

Report

Represents a report, a set of data that meets certain criteria, displayed in an organized way. Access is read-only. This object is available in API version 20.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`

Fields

Field	Details
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The description of the report. Limit: 255 characters.
`DeveloperName`	**Type** string

Field	Details
	Properties Filter, Group, Sort **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **Report Unique Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`FolderName`	**Type** string **Properties** Filter, Nillable, Sort **Description** Name of the folder that contains the report. Available in API version 35.0 and later.
`Format`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Sort **Description** Required. Indicates the format of the report. This field is available in API version 29.0 and later. Can have one of these values: • **Tabular** for reports in that format. In the application, the label is `Tabular`. • **Summary** for reports in that format. In the application, the label is `Summary`. • **Matrix** for reports in that format. In the application, the label is `Matrix`. • **Multiblock** for reports in joined format. In the application, the label is `Joined`.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LastReferencedDate`	**Type** date

Field	Details
	Properties Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastRunDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Returns the date the report was last run. Label is **Last Run**.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** Required. The report label used in the user interface.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer.

Field	Details
	• In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.
`OwnerId`	**Type** reference **Properties** Filter **Description** The ID of the user who currently owns this report.

Supported Query Scopes

Use these scopes to help specify the data your SOQL query returns.

allPrivate
Records saved in all users' private folders.

Requires the user permission "Manage All Private Reports and Dashboards" and Enhanced Analytics Folder Sharing. If your organziation was created after the Summer '13 release, you already have Enhanced Analytics Folder Sharing. Available in API version 36.0 and later.

created
Records created by the user running the query.

everything
All records except records saved in other users' private folders.

mine
Records saved in the private folder of the user running the query.

organizationOwned
Records saved in Unfiled Public Reports. In Lightning Experience, the Unfiled Public Reports folder is called Public Reports.

Usage

Use the report object to get report metadata. Query, search, or retrieve specific metadata on reports. Report object fields are read-only.

Example: Reports with "Sales" in Their Name

This SOQL query returns reports that contain the name "Sales" and lists their developer names, format, ID, and report name.

```
SELECT DeveloperName,Format,Id,Name FROM Report WHERE Name LIKE '%Sales%'
```

Example: Reports in an Inactive User's Private Folder

This SOQL query returns reports saved in a specific user's private folder.

```
SELECT Id FROM Report USING SCOPE allPrivate WHERE OwnerId = '005A0000000Bc2deFG'
```

SEE ALSO:

ReportFeed

ReportTag

Dashboard

ReportFeed

Represents a single feed item in the feed displayed on a report. This object is available in API version 20.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of ReportFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort

Field	Details
	Description The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string

Field	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.

Field	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field	Details
	• `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the report record. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Field	Details
Visibility	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to retrieve the current contents of the feed fields, such as type of feed or feed ID.

SEE ALSO:

Report

ReportTag

Associates a word or short phrase with a Report. This object is available in API version 20.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
ItemId	**Type** reference

Field Name	Details
	Properties Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

ReportTag stores the relationship between its parent TagDefinition and the Report being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

SEE ALSO:

Report

ReputationLevel

Represents a reputation level defined for a community. This object is available in API version 32.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization. Only users with permissions to create or manage a community can view the ReputationPointsRule records.

Fields

Field Name	Details
`Label`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The label for the reputation level.
`LevelNumber`	**Type** int **Properties** Filter, Group, Sort **Description** The rank of the reputation level.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the parent community (network) the reputation level applies to.
`Threshold`	**Type** double **Properties** Filter, Sort

Field Name	Details
	Description The lower limit of reputation points associated with this reputation level. The maximum number of reputation points a user can accrue is 999,999,999,999,999.

ReputationLevelLocalization

Represents the translated value of a reputation level. Reputation level localization only applies for reputation levels in communities. This object is available in API version 35.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization and reputation is enabled in your community.

Fields

Field Name	Details
`Language`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The language the reputation level is translated into. The picklist contains the following fully-supported languages: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko`

Field Name	Details
	• Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th`
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the reputation level this translated value applies to.
`Value`	**Type** string **Properties** Create, Filter, Sort, Update **Description** The translated text for the reputation level. Label is **Translation Text**.

ReputationPointsRule

Represents the reputation point rules for a community. Each rule specifies an action that community members can earn points from and the points associated with those actions in a particular community. This object is available in API version 32.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

This object is available only if Salesforce Communities is enabled in your organization. Only users with permissions to create or manage a community can view the ReputationPointsRule records.

Fields

Field Name	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the parent community (network) that the point rule applies to.
`Points`	**Type** int **Properties** Filter, Group, Sort **Description** The reputation points associated with the member action this rule is for. The maximum value this field can contain is 999,999.
`Type`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The member action associated with this rule, limited to one of these values: • Write a post • Write a comment • Receive a comment • Like something

Field Name	Details
	• Receive a like • Share a post • Someone shares your post • Mention someone • Receive a mention • Ask a question • Respond to a question • Receive an answer • Mark an answer as best • Your answer is marked as best

ResourceAbsence

Represents a time period in which a service resource is unavailable to work. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled. To create or update resource absences, you need Read permission on service resources. To delete resource absences, you need Edit permission on service resources.

Fields

Field Name	Details
`AbsenceNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) An auto-generated number identifying the absence.
`Address`	**Type** address **Properties** Filter, Nillable

Field Name	Details
	Description The compound form of the address associated with the absence.
City	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the address associated with the absence. Maximum length is 40 characters.
Country	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country of the address associated with the absence. Maximum length is 80 characters.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the absence.
End	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date and time when the absence ends.
GeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location’s geographical coordinates compared with its physical address. Usually provided by a geocoding service based on the address’s latitude and longitude coordinates.

Field Name	Details
	Note: This field is available in the API only.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource absence was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource absence was last viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the address associated with the absence. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. **Note:** This field is available in the API only.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of the address associated with the absence. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. **Note:** This field is available in the API only.
`Postal Code`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the address associated with the absence. Maximum length is 20 characters.
`ResourceId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The absent service resource.
`Start`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date and time when the absence begins.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the address associated with the absence. Maximum length is 80 characters.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street number and name of the address associated with the absence.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The type of absence: *`Meeting`*, *`Training`*, *`Medical`*, or *`Vacation`*. The default value is *`Vacation`*. You can add custom values if needed.

Usage

Resource absences you define periods of time when a service resource is unavailable to work. Unless you're using the Field Service Lightning managed package, service resources can still be assigned to appointments that conflict with their absences.

Tip: Create a trigger that sends an approval request to a supervisor when a service resource creates an absence.

If you're not using the Field Service Lightning managed package, a calendar view isn't available for individual service resources.

ResourceAbsenceFeed

Represents a single feed item on a resource absence record detail page. This object is available in API version 38.0 and later.

A resource absence feed shows changes to tracked fields on a resource absence record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to resource absences in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Resource Absence object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.

Field Name	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the resource absence record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ResourceAbsenceHistory

Represents the history of changes made to tracked fields on a resource absence. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ResourceAbsenceId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the resource absence being tracked. The history is displayed on the detail page for this record.

ResourcePreference

Represents an account's preference for a specified service resource on field service work.

Resource preferences indicate which service resources should be assigned to field service work. You can designate service resources as preferred, required, or excluded on specific accounts or work orders. Work orders inherit their associated account's resource preferences.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource preference was last modified.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource preference was last viewed.
PreferenceType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Resource preference type. Values include: • Preferred: Indicates that the customer would like their field service work assigned to the resource • Required: Indicates that the resource must be assigned to the customer’s field service work • Excluded: Indicates that the customer does not want their field service work assigned to the resource Resource preferences serve more as a suggestion than a requirement. You can still assign a service appointment to any resource regardless of the related work order’s resource preferences.
RelatedRecordId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The work order or account with the resource preference.
ResourcePreferenceNumber	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the resource preference.
`ServiceResourceId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The service resource that is preferred, required, or excluded.

ResourcePreferenceFeed

Represents a single feed item on a resource preference record detail page.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the ResourcePreference object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.

Field Name	Details
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the resource preference record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a content post. This field is null for all posts, except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the LinkUrl field is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ResourcePreferenceHistory

Represents the history of changes made to tracked fields on a resource preference.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ResourcePreferenceId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the resource preference being tracked. The history is displayed on the detail page for this record.

ReturnOrder

Represents the return or repair of inventory or products in field service. This object is available in API version 42.0 and later.

Return orders are available in Lightning Experience, Salesforce Classic, the Salesforce app, the Field Service Lightning mobile app for Android and iOS, and communities built using Salesforce Tabs + Visualforce.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
AccountId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account associated with the return order.
CaseId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The case associated with the return order.
ContactId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact associated with the return order.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Notes or context about the return order.
DestinationLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The location where the items are being returned to. For example, if the return order tracks the return of products from a technician’s van to a warehouse, the warehouse is the destination location.

Field Name	Details
ExpectedArrivalDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when the items are expected to arrive at the destination location.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the return order was last modified. Its label in the user interface is `Last Modified Date`.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the return order was last viewed.
OrderId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The order associated with the return order. When you associated a return order with an order, you can associate the return order's line items with order products.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the return order.
ProductRequestId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The product request associated with the return order. When you associated a return order with a product request, you can associate the return order's line items with the product request's line items. A return order might be related to a product request if the return order tracks the return of unused products or products to be repaired or replaced. For example, a technician creates a product request for three motors to prepare for a field visit. If the technician finds that only two motors are needed, they can create a return order to return the third to the original location, and list the product request in this field.
ReturnOrderNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) Auto-generated number identifying the return order.
ReturnedById	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the user returning the items.
ShipFromAddress	**Type** address **Properties** Filter, Nillable **Description** The return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer's address.
ShipFromCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer's address.

Field Name	Details
ShipFromCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country of the return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer’s address.
ShipFromGeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Accuracy level of the geocode for the return shipping address. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipFromLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of the return shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipFromLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Latitude to specify the precise geolocation of the return shipping address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.

Field Name	Details
ShipFromPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer’s address.
ShipFromState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer’s address.
ShipFromStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street of the return shipping address. This address tracks the location of the items at the start of the return or repair. For example, if a customer is returning an item, the Ship From address is the customer’s address.
ShipmentType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The type of shipment associated with the return order. Available values are: • Standard (default value) • Rush • Overnight • Next Business Day • Pickup
SourceLocationId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The items' location at the start of the return or repair. For example, if the return order tracks the return of products from a technician's service vehicle to a warehouse, the service vehicle is the source location.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the return order. Available values are: • Draft • Submitted • Approved • Canceled • Closed

Usage

You can use return orders to track customer returns, customer repairs, or the return of inventory from a technician's van stock to a warehouse or supplier. Customers can initiate a return from a community, or agents can create return orders in response to a customer call or technician request.

Return orders are composed of return order line items, which allow you to add details about the items being returned. To represent the returned items, each line item must list one or more of the following: product, product item, asset, product request line item, and order product. Return orders can be associated with a product request, case, account, contact, and order if needed. This versatility lets you use return orders to track a wide range of return scenarios.

ReturnOrderFeed

Represents a single feed item on a return order record detail page. This object is available in API version 42.0 and later.

A return order feed shows changes to tracked fields on a return order record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to return orders in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- Modify All Data
- Modify All on the Return Order object
- Moderate Chatter

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.

Field Name	Details
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the return order record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description The type of feed item.

ReturnOrderHistory

Represents the history of changes made to tracked fields on a return order. This object is available in API version 42.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.

Field Name	Details
ReturnOrderId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the return order being tracked. The history is displayed on the detail page for this record.

ReturnOrderLineItem

Represents a specific product that is returned or repaired as part of a return order in field service. This object is available in API version 42.0 and later.

Return orders are available in Lightning Experience, Salesforce Classic, the Salesforce app, the Field Service Lightning mobile app for Android and iOS, and communities built using Salesforce Tabs + Visualforce.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
AssetId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The asset associated with the return order line item. One or more of the following fields must be filled out: AssetId, OrderItemId, Product2Id, ProductItemId, and ProductRequestLineItemId.
Description	**Type** textarea **Properties** Create, Nillable, Update

Field Name	Details
	Description Notes or context about the return order line item.
DestinationLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The location where the items are being returned to. For example, if the return order tracks the return of products from a technician's van to a warehouse, the warehouse is the destination location.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the return order line item was last modified. Its label in the user interface is `Last Modified Date`.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the return order line item was last viewed.
OrderItemId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The order product associated with the return order line item. One or more of the following fields must be filled out: AssetId, OrderItemId, Product2Id, ProductItemId, and ProductRequestLineItemId.
ProcessingPlan	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Indicates the preferred fate of the items following their return. Available values are: • Repair—Repair the items and return them to the owner • Discard—Discard the items • Salvage—Salvage the items' working parts • Restock—Return the items to your inventory
`Product2Id`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The product associated with the return order line item. One or more of the following fields must be filled out: AssetId, OrderItemId, Product2Id, ProductItemId, and ProductRequestLineItemId.
`ProductItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The product item representing the location of the product at the start of the return. One or more of the following fields must be filled out: AssetId, OrderItemId, Product2Id, ProductItemId, and ProductRequestLineItemId.
`ProductRequestLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The product request line item associated with the return order line item. One or more of the following fields must be filled out: AssetId, OrderItemId, Product2Id, ProductItemId, and ProductRequestLineItemId.
`QuantityReturned`	**Type** double **Properties** Create, Filter, Sort, Update **Description** The quantity of items being returned. If multiple types of products are being returned, track each product in a different return order line item.

Field Name	Details
QuantityUnitOfMeasure	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Units of the returned items; for example, kilograms or liters. Quantity Unit of Measure picklist values are inherited from the Quantity Unit of Measure field on products.
ReasonForReturn	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The reason the items are being returned. Available values are: • Damaged • Defective • Duplicate Order • Wrong Item • Wrong Quantity • Not Satisfied • Outdated • Other
RepaymentMethod	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The method by which the customer or owner will be reimbursed for the items being returned. Available values are: • Replace—The items will be replaced • Refund—The items will be returned and the owner will be refunded • Credit—The items will be returned and the owner will receive credit for them • Return—The items will be returned to the owner (for example, following their repair)
ReturnOrderId	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The return order that the return order line item belongs to.
`ReturnOrderLineItemNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) Auto-generated number that identifies the return order line item.
`SourceLocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The items' location at the start of the return or repair. For example, if the return order tracks the return of products from a technician's service vehicle to a warehouse, the service vehicle is the source location.

ReturnOrderLineItemFeed

Represents a single feed item on a return order line item record detail page. This object is available in API version 42.0 and later.

A return order line item feed shows changes to tracked fields on a return order line item record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to return order line items in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- Modify All Data
- Modify All on the Return Order Line Item object
- Moderate Chatter

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.

Field Name	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the return order line item record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a content post. This field is null for all posts, except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the Link URL is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ReturnOrderLineItemHistory

Represents the history of changes made to tracked fields on a return order line item. This object is available in API version 42.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ReturnOrderLineItemId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the return order line item being tracked. The history is displayed on the detail page for this record.

ReturnOrderOwnerSharingRule

Represents the rules for sharing a return order with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 42.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort **Description** The ID representing the source group. A return order owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`ServiceResourceAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ReturnOrderShare

Represents a sharing entry on a return order. This object is available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the return order. The possible values are: • *`Read`* • *`Edit`* • *`All`* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default return order access level.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The return order associated with the sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *`Manual`* (default). Valid values include: • *`Manual`*—The user or group has access because a user with "All" access manually shared the return order. • *`Owner`*—The user is the owner of the return order. • *`Team`*—The user or group has team access. • *`Rule`*—The user or group has access via a return order sharing rule.
`UserOrGroupId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the return order.

RevenueForecast

Represents a revenue-based forecast.

Use QuantityForecast for quantity-based forecasts.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`Closed`	**Type** currency **Properties** Create, Filter **Description** Read only. A rollup of opportunities or opportunity line items that have closed in this period.
`Commit`	**Type** currency **Properties** Filter, Nillable **Description** The owner's Commit total.
`CommitComment`	**Type** string

Field	Details
	Properties Filter, Nillable, Update **Description** Read only. The comment entered when the owner edited his or her Commit total from the Adjusted Total link on the forecast edit page.
`CommitOverride`	**Type** currency **Properties** Filter, Nillable, Update **Description** Read only. The owner's override of their own My Commit total.
`CurrencyIsoCode`	**Type** picklist **Properties** Filter, Restricted picklist, Update **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. You can update or upsert this field and `Quota` only.
`DefaultRollupCommit`	**Type** currency **Properties** Filter, Nillable **Description** Read only. The owner's standard Commit rollup, including their own opportunities and forecast-level overrides from subordinate users in the role hierarchy.
`DefaultRollupUpside`	**Type** currency **Properties** Filter, Nillable **Description** Read only. The owner's standard Best Case rollup, including their own opportunities and forecast-level overrides from subordinate users in the role hierarchy.
`InvalidationDate`	**Type** dateTime

Field	Details
	Properties Filter, Nillable **Description** Read only. If not blank, indicates that the rollup numbers for Forecast Override fields that represent calculated (summarized) amounts may not be up to date.
`ManagerChoiceCommit`	**Type** picklist **Properties** Filter, Nillable, Restricted picklist, Update **Description** Read only. The manager's choice regarding the commit amount: • DefaultRollup: Use the manager's default commit rollup for owner's forecast, which reflects the manager's opportunity forecast overrides. • AcceptForecast (default selection): Accept the forecast owner's Adjusted Total commit amount, which may or may not be an override. • ManagerManualOverride: Use the manager's manual override. • OpportunityOnlyRollup: Use the opportunity rollup, including opportunity forecast overrides, but excluding any forecast-level (Adjusted Total) overrides.
`ManagerChoiceUpside`	**Type** picklist **Properties** Filter, Nillable, Restricted picklist, Update **Description** Read only. The manager's choice regarding the best case amount: • DefaultRollup: Use the manager's default best case rollup for owner's forecast, which reflects the manager's opportunity forecast overrides. • AcceptForecast (default selection): Accept the forecast owner's Adjusted Total best case amount, which may or may not be an override. • ManagerManualOverride: Use the manager's manual override. • OpportunityOnlyRollup: Use the opportunity rollup, including opportunity forecast overrides, but excluding any forecast-level (Adjusted Total) overrides.
`ManagerClosed`	**Type** currency **Properties** Filter, Nillable

Field	Details
	Description Read only. The manager's closed total for the owner's forecast, including any opportunity or opportunity product overrides made by the manager.
ManagerCommit	**Type** currency **Properties** Filter, Nillable **Description** The manager's Commit total.
ManagerCommitOverride	**Type** currency **Properties** Filter, Nillable, Update **Description** Read only. The manager's manual override of the forecast owner's Commit total. Represents an option in the override popup window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerDefaultRollupCommit	**Type** currency **Properties** Filter, Nillable **Description** Read only. The manager's standard Commit rollup for the forecast owner. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerDefaultRollupUpside	**Type** currency **Properties** Filter, Nillable **Description** Read only. The manager's standard Best Case rollup for the forecast owner. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
ManagerId	**Type** reference **Properties** Filter, Nillable

Field	Details
	Description Read only. ID of the direct manager of the user who owns this forecast.
`ManagerOpportunityRollupCommit`	**Type** currency **Properties** Filter, Nillable **Description** The manager's view of the forecast owner's opportunity-level Commit rollup, ignoring all forecast overrides. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
`ManagerOpportunityRollupUpside`	**Type** currency **Properties** Filter, Nillable **Description** The manager's view of the forecast owner's opportunity-level Best Case rollup, ignoring all forecast overrides. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
`ManagerPipeline`	**Type** currency **Properties** Filter, Nillable **Description** The manager's pipeline total for the owner's forecast, including any opportunity or opportunity product overrides made by the manager.
`ManagerTerritoryId`	**Type** reference **Properties** Filter, Nillable **Description** ID of the manager's UserRole or Territory.
`ManagerUpside`	**Type** currency **Properties** Filter, Nillable

Field	Details
	Description The manager's Best Case total.
ManagerUpsideOverride	**Type** currency **Properties** Filter, Nillable, Update **Description** The manager's manual override of the forecast owner's Best Case total. Represents an option in the override pop-up window, which allows managers to choose how to roll up the forecast numbers of a direct report.
OpportunityRollupClosed	**Type** currency **Properties** Filter, Nillable **Description** The owner's Closed total for his or her opportunities only.
OpportunityRollupCommit	**Type** currency **Properties** Filter, Nillable **Description** The owner's Commit total for his or her opportunities only.
OpportunityRollupPipeline	**Type** currency **Properties** Filter, Nillable **Description** The owner's Pipeline total for his or her opportunities only.
OpportunityRollupUpside	**Type** currency **Properties** Filter, Nillable **Description** Read only. The owner's Best Case total for his or her opportunities only.
OwnerId	**Type** reference

Field	Details
	Properties Create, Defaulted on create, Filter **Description** ID of the User who owns this forecast. Required on create.
PeriodId	**Type** reference **Properties** Filter, Nillable **Description** The ID of the Period that contains the `StartDate`.
Pipeline	**Type** currency **Properties** Filter, Nillable **Description** The total pipeline rollup from subordinates in the role hierarchy, including the owner's opportunities.
ProductFamily	**Type** picklist **Properties** Create, Filter, Nillable **Description** The value chosen in the Product Family picklist, which can be configured from the object management settings for products. This field is relevant if you have chosen Product Families as the Forecast Type in Forecasts Settings. If you are not forecasting by product family or if the forecast represents opportunities that are not associated with a product family, then this field is blank. Otherwise, this field is required on create.
Quota	**Type** currency **Properties** Create, Filter, Nillable, Update **Description** The quota amount for the period. You can update or upsert this field and `CurrencyIsoCode`, and for Quota only, create. Requires the “Modify All Data” and “Manage Users” permission. Required on create.

Field	Details
StartDate	**Type** date **Properties** Create, Filter, Nillable **Description** The start date of this forecast. The period ID of the period that contains this date is written to the `PeriodId` field if it changes. A new Period is created if none exists. Required on create.
TerritoryId	**Type** reference **Properties** Create, Filter, Nillable **Description** ID of the forecast owner's UserRole or Territory. Required on create if Territory Management is enabled (if this field is available).
Upside	**Type** currency **Properties** Filter, Nillable **Description** The owner's Best Case total.
UpsideComment	**Type** string **Properties** Filter, Nillable, Update **Description** Read only. The comment entered when the owner edited his or her Best Case total. Label is **Best Case Comment**.
UpsideOverride	**Type** currency **Properties** Filter, Nillable, Update **Description** Read only. The owner's override of their My Best Case total. Label is **Best Case Override**.

Usage

Query this object to support customizable forecasts based on revenue. Requires the "View All Data" permission.

You can also update `CurrencyIsoCode` and `Quota`, which means that you can mass update sales users' quotas instead of updating them one by one in the user interface. Editing `Quota` requires "Modify All Data" and "Manage Users" permissions.

The rollup fields always reflect opportunity and opportunity product overrides by the forecast owner or one of the forecast owner's subordinates in the role hierarchy. In addition, the manager rollup fields include overrides by the forecast owner's direct manager in the role hierarchy.

Some of the rollup fields ignore forecast-level (**Adjusted Total**) overrides, but they never ignore opportunity forecast overrides that are visible to the owner or manager.

SEE ALSO:

QuantityForecast

RevenueForecastHistory

Object Basics

RevenueForecastHistory

Represents historical information about revenue-based forecasts that have been submitted (saved) in the user interface.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- Requires the "View All Data" permission.
- Customer Portal users can't access this object.

Fields

Field	Details
`Closed`	**Type** currency **Properties** Filter Nillable **Description** The closed amount of the forecast.
`Commit`	**Type** currency

Field	Details
	Properties Filter, Nillable **Description** The commit amount of the forecast.
`CommitComments`	**Type** string **Properties** Filter, Nillable **Description** Comments about the commit value.
`CommitOverridden`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the commit value was overridden (`true`) or not (`false`).
`CurrencyIsoCode`	**Type** picklist **Properties** Defaulted on create, Filter, Restricted picklist **Description** Available only for organizations with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization.
`ForecastOverrideId`	**Type** reference **Properties** Filter **Description** ID of the related forecast override.
`Pipeline`	**Type** currency **Properties** Filter, Nillable **Description** The pipeline amount of the forecast.

Field	Details
`Quota`	**Type** currency **Properties** Filter, Nillable **Description** The quota amount of the forecast.
`Upside`	**Type** currency **Properties** Filter, Nillable **Description** The best case amount of the forecast.
`UpsideComments`	**Type** string **Properties** Filter, Nillable **Description** Comments about the upside value.
`UpsideOverridden`	**Type** boolean **Properties** Defaulted on create Filter **Description** Indicates whether the upside value was overridden (`true`) or not (`false`).

Usage

This is a read-only object specific to customizable forecasting.

When a user submits a revenue-based forecast in the user interface, a new record is created. If the same forecast is ever resubmitted, additional records are added. The `CreatedDate` of a record reflects the day on which the forecast was submitted. This object respects field-level security on the parent object.

SEE ALSO:

- QuantityForecastHistory
- RevenueForecast
- Object Basics

RuleTerritory2Association

Represents a record-assignment rule and its association to an object, such as Account. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your organization's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`IsInherited`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates whether the rule is an *inherited* rule (`true`) or a *local* rule (`false`). Rule inheritance flows from the parent territory where the rule is created to the rule's descendent territories (if any) in the territory model hierarchy. A local rule is created within a single territory and affects that territory only.
`RuleId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the rule.
`Territory2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the territory where the rule was created.

SamlSsoConfig

Represents a SAML Single Sign-On configuration. This object is available in API version 32.0 and later.

Single sign-on is a process that allows network users to access all authorized network resources without having to log in separately to each resource. Single sign-on allows you to validate usernames and passwords against your corporate user database or other client application rather than having separate user passwords managed by Salesforce.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AttributeFormat`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** For SAML 2.0 only and when `identityLocation` is set to `Attribute`. Possible values include `unspecified`, `emailAddress` or `persistent`. All legal values can be found in the "Name Identifier Format Identifiers" section of the Assertions and Protocols SAML 2.0 specification.
`AttributeName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the identity provider's application. Get this name value from your identity provider.
`Audience`	**Type** string **Properties** Filter, Group, Sort **Description** The Issuer, also called the "Entity ID." The value is a URL that uniquely identifies the SAML identity provider.
`DeveloperName`	**Type** string

Field Name	Details
	Properties Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package, and the changes are reflected in a subscriber's organization.
`ErrorUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** The URL of the page users should be directed to if there's an error during SAML login. It must be a publicly accessible page, such as a public site Visualforce page. The URL can be absolute or relative.
`ExecutionUserID`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The user that runs the Apex handler class. The user must have the "Manage Users" permission. A user is required if you specify a SAML JIT handler class.
`IdentityLocation`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The location in the assertion where a user is identified. Valid values are: • `SubjectNameId`—The identity is in the `<Subject>` statement of the assertion. • `Attribute`—The identity is specified in an `<AttributeValue>`, located in the `<Attribute>` of the assertion.
`IdentityMapping`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The identifier that the service provider uses for the user during Just-in-Time user provisioning. Valid values are: • `Username`—The user's Salesforce username. • `FederationId`—The federation ID from the user object; the identifier that's used by the service provider for the user. • `UserId`—The user ID from the user's Salesforce organization.
`Issuer`	**Type** string **Properties** Filter, idLookup, Group, Sort **Description** Also called the "Entity ID." The value is a URL that uniquely identifies the SAML identity provider.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language for the organization.
`LoginUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** For SAML 2.0 only: The URL where Salesforce sends a SAML request to start the login sequence.
`LogoutUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** For SAML 2.0 only: The URL to direct users to where they click the Logout link. The default is `http://www.salesforce.com`.

Field Name	Details
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The text that's used to identify the Visualforce page in the Setup area of Salesforce.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
OptionsSpInitBinding	**Type** boolean **Properties** Filter **Description** The service provider initiated request binding, either HTTP Redirect (`true`) or HTTP POST (`false`).
OptionsUserProvisioning	**Type** boolean **Properties** Filter

Field Name	Details
	Description If `true`, Just-in-Time user provisioning is enabled, which creates users on the fly the first time that they try to log in. Specify `Federation ID` for the `identityMapping` value to use this feature.
`RequestSignatureMethod`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The method that's used to sign the SAML request. Valid values are: • `RSA-SHA1` • `RSA-SHA256`
`SamlJitHandlerId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The name of an existing Apex class that implements the `Auth.SamlJitHandler` interface.
`SingleLogoutBinding`	**Type** string **Properties** Filter, Sort, Nillable **Description** Determines where to put the LogoutRequest or LogoutResponse in the SAML request during single logout (SLO). The value is base64 encoded. Valid values are: • `RedirectBinding` — Sent in the querystring, deflated. • `PostBinding` — Sent in the POST body, not deflated.
`SingleLogoutUrl`	**Type** string **Properties** Filter, Sort, Nillable **Description** The SAML single logout endpoint. This URL is the endpoint where Salesforce sends LogoutRequests (when Salesforce initiates a logout), or LogoutResponses (when the identity provider initiates a logout).

Field Name	Details
`ValidationCert`	**Type** string **Properties** Filter, Sort **Description** The certificate that's used to validate the request. Get this certificate value from your identity provider.
`Version`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The SAML version. Valid values are: • `SAML1_1` • `SAML2_2`

Scontrol

A custom s-control, which is custom content that is hosted by the system but executed by the client application.

Important: Visualforce pages supersede s-controls. Organizations that haven't previously used s-controls can't create them. Existing s-controls are unaffected, and can still be edited. We recommend that you move your s-controls to Visualforce. We continue to support the Scontrol object.

Represents a custom s-control, which is custom content that the system hosts, but client applications execute. An s-control can contain any type of content that you can display or run in a Web browser.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Special Access Rules

- Your organization must be using Enterprise, Developer, or Unlimited Edition and be enabled for custom s-controls.
- Customer Portal users can't access this object.

Fields

Field	Details
`Binary`	**Type** base64 **Properties** Nillable, Update **Description** Binary content of this custom s-control, such as an ActiveX control or a Java archive. Can be specified when created, but not when updated. Limit: 5 MB.
`BodyLength`	**Type** int **Properties** Filter, Group, Sort **Description** The length of the custom s-control. Label is **Binary Length**.
`ContentSource`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies the source of the s-control content, either custom HTML, a snippet (s-controls that are included in other s-controls), or a URL.
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** Description of the custom s-control.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With

Field	Details
	this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Label is **S-Control Name**. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`EncodingKey`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort, Update **Description** Picklist of character set encodings, including ISO-08859-1, UTF-8, EUC, JIS, Shift-JIS, Korean (ks_c_5601-1987), Simplified Chinese (GB2312), and Traditional Chinese (Big5).
`Filename`	**Type** string **Properties** Filter, Group, Nillable, Sort, Update **Description** An uploaded object to display when the custom s-control is added to a custom link. Can be a Java applet, an ActiveX control, or any other type of desired content.
`HtmlWrapper`	**Type** textarea **Properties** Update **Description** Required. HTML page that will be delivered when the user views this custom s-control. This HTML page can be the entire content of the custom s-control, or it can reference the binary. Limit: 1,048,576 characters. Label is **HTML Body**.
`Name`	**Type** string **Properties** Filter, Group, Sort, Update **Description** Required. Name of this custom s-control. Label is **Label**.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`SupportsCaching`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the s-control supports caching (`true`) or not (`false`).

Usage

Use custom s-controls to manage custom content that extends application functionality. All users can view custom s-controls, but the "Customize Application" permission is required to create or update custom s-controls.

SEE ALSO:

Object Basics

ScontrolLocalization

The translated value of the field label for an s-control.

Important: Visualforce pages supersede s-controls. Organizations that haven't previously used s-controls can't create them. Existing s-controls are unaffected, and can still be edited.

When the Translation Workbench is enabled for your organization, provides the translation of the field label of an s-control.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Your organization must be using Professional, Enterprise, Developer, or Unlimited Edition and be enabled for the Translation Workbench.
- To view this object, you must have the “View Setup and Configuration” permission.

Fields

Field	Details
LanguageLocaleKey	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist **Description** This field is available in API version 16.0 and earlier. It is the same as the Language field.
Language	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist **Description** This field is available in API version 17.0 and later. The combined language and locale ISO code, which controls the language for labels displayed in an application. This picklist contains the following fully-supported languages: • Chinese (Simplified): zh_CN • Chinese (Traditional): zh_TW • Danish: da • Dutch: nl_NL • English: en_US • Finnish: fi • French: fr • German: de • Italian: it • Japanese: ja • Korean: ko • Norwegian: no • Portuguese (Brazil): pt_BR

Field	Details
	• Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th` The following end-user only languages are available. • Arabic: `ar` • Bulgarian: `bg` • Croatian: `hr` • Czech: `cs` • English (UK): `en_GB` • Greek: `el` • Hebrew: `iw` • Hungarian: `hu` • Indonesian: `in` • Polish: `pl` • Portuguese (European): `pt_PT` • Romanian: `ro` • Slovak: `sk` • Slovenian: `sl` • Turkish: `tr` • Ukrainian: `uk` • Vietnamese: `vi` The following platform languages are available for organizations that use Salesforce exclusively as a platform. • Albanian: `sq` • Arabic (Algeria): `ar_DZ` • Arabic (Bahrain): `ar_BH` • Arabic (Egypt): `ar_EG` • Arabic (Iraq): `ar_IQ` • Arabic (Jordan): `ar_JO` • Arabic (Kuwait): `ar_KW` • Arabic (Lebanon): `ar_LB` • Arabic (Libya): `ar_LY` • Arabic (Morocco): `ar_MA` • Arabic (Oman): `ar_OM` • Arabic (Qatar): `ar_QA` • Arabic (Saudi Arabia): `ar_SA`

Field	Details
	• Arabic (Sudan): `ar_SD` • Arabic (Syria): `ar_SY` • Arabic (Tunisia): `ar_TN` • Arabic (United Arab Emirates): `ar_AE` • Arabic (Yemen): `ar_YE` • Armenian: `hy` • Basque: `eu` • Bosnian: `bs` • Bengali: `bn` • Catalan: `ca` • Chinese (Simplified—Singapore): `zh_SG` • Chinese (Traditional—Hong Kong): `zh_HK` • Dutch (Belgium): `nl_BE` • English (Australia): `en_AU` • English (Canada): `en_CA` • English (Hong Kong): `en_HK` • English (India): `en_IN` • English (Ireland): `en_IE` • English (Malaysia): `en_MY` • English (Philippines): `en_PH` • English (Singapore): `en_SG` • English (South Africa): `en_ZA` • Estonian: `et` • French (Belgium): `fr_BE` • French (Canada): `fr_CA` • French (Luxembourg): `fr_LU` • French (Switzerland): `fr_CH` • Georgian: `ka` • German (Austria): `de_AT` • German (Belgium): `de_BE` • German (Luxembourg): `de_LU` • German (Switzerland): `de_CH` • Hindi: `hi` • Icelandic: `is` • Irish: `ga` • Italian (Switzerland): `it_CH` • Latvian: `lv` • Lithuanian: `lt`

Field	Details
	• Luxembourgish: `lb` • Macedonian: `mk` • Malay: `ms` • Maltese: `mt` • Romanian (Moldova): `ro_MD` • Montenegrin: `sh_ME` • Romansh: `rm` • Serbian (Cyrillic): `sr` • Serbian (Latin): `sh` • Spanish (Argentina): `es_AR` • Spanish (Bolivia): `es_BO` • Spanish (Chile): `es_CL` • Spanish (Colombia): `es_CO` • Spanish (Costa Rica): `es_CR` • Spanish (Dominican Republic): `es_DO` • Spanish (Ecuador): `es_EC` • Spanish (El Salvador): `es_SV` • Spanish (Guatemala): `es_GT` • Spanish (Honduras): `es_HN` • Spanish (Nicaragua): `es_NI` • Spanish (Panama): `es_PA` • Spanish (Paraguay): `es_PY` • Spanish (Peru): `es_PE` • Spanish (Puerto Rico): `es_PR` • Spanish (United States): `es_US` • Spanish (Uruguay): `es_UY` • Spanish (Venezuela): `es_VE` • Tagalog: `tl` • Tamil: `ta` • Urdu: `ur` • Welsh: `cy` The values in this field are not related to the default locale selection.
`NamespacePrefix`	**Type** string **Properties** Filter, Nillable

Field	Details
	Description The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ScontrolId`	**Type** reference **Properties** Create, Filter, Nillable **Description** The ID of the Scontrol that is being translated.
`Value`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** The actual translated field label of the s-control. Label is **Translation**.

Usage

Use this object to translate your s-controls into a supported language. Users with the Translation Workbench enabled can view s-control translations, but either the "Customize Application" or "Manage Translation" permission is required to create or update s-control translations.

SEE ALSO:

CategoryNodeLocalization

WebLinkLocalization

ScratchOrgInfo

Represents a scratch org and its audit log. Use this object to create a scratch org and keep a log of its creation and deletion. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AdminEmail`	**Type** email **Properties** Create, Filter, Group, Nillable, Sort **Description** The email address of the scratch org's Administration user. The read-only `SignupEmail` field is populated with this value. If you don't provide a value for `AdminEmail`, the field is left blank and the `SignupEmail` is populated with the email address of the org user who is creating this object.
`AuthCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A one-time authorization code that can be exchanged for an OAuth access token and refresh token using standard Salesforce APIs. It's used with `ConnectedAppCallbackUrl` and `ConnectedAppConsumerKey`, when the specified connected app hasn't been configured with an X.509 certificate. This field is read-only.
`ConnectedAppCallbackUrl`	**Type** textarea **Properties** Create **Description** When used with `ConnectedAppConsumerKey`, specifies a connected app that is approved automatically during the scratch org creation.
`ConnectedAppConsumerKey`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** When used with `ConnectedAppCallbackUrl`, specifies a connected app that is approved automatically during the scratch org creation.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The two-character, upper-case ISO-3166 country code. You can find a full list of these codes at several sites, such as: www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html. The language of the scratch org is auto-determined based on the value of this field. If you do not specify a value, this field defaults to the Dev Hub's country code.
`DeletedBy`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user who requested that the scratch org be deleted. This field is read-only.
`DeletedDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date when the `DeletedBy` user requested that the scratch org be deleted. This field is read-only.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** A free-form text field for you to enter a description of this scratch org.
`DurationDays`	**Type** int

Field Name	Details
	Properties Create, Filter, Nillable, Group, Sort **Description** Number of days after which the scratch org expires. Valid values are 1 to 30. The default is 7.
Edition	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The org edition of this scratch org. Valid values are Group, Developer, Enterprise, and Professional.
ErrorCode	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The error code if the scratch org creation isn't successful. This field is read-only.
ExpirationDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** Date when the scratch org expires. This field is read-only.
Features	**Type** textarea **Properties** Create, Nillable **Description** A semi-colon delimited list of the features enabled in this scratch org, such as MultiCurrency. See the *Salesforce DX Developer Guide* for the full list of valid features.
HasSampleData	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description Specifies whether the scratch org contains sample data. If set to `true`, the sample data is similar to the data in a Salesforce free trial org.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The language of the scratch org being created. Specify the language using a language code listed under "Supported Languages" in the Salesforce Help. For example, use `zh_CN` for simplified Chinese. The value you select overrides the language set by locale. If you don't specify a value, the language is based on the `Country` used during scratch org creation. If you don't specify a value for `Country`, the value defaults to the Dev Hub's country.
`LastLoginDate`	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The date of the last user login to the scratch org. This field is read-only.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date this scratch org was last referenced. This field is read-only.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date this scratch org was last viewed. This field is read-only.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort

Field Name	Details
	Description The auto-generated ID of this scratch org. This field is read-only.
Namespace	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The namespace you want to associate with this scratch org. The value of this field corresponds to the NamespacePrefix field of the NamespaceRegistry object that describes your namespace.
OrgName	**Type** string **Properties** Create, Filter, Group, Sort **Description** The name of the scratch org.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who created this scratch org.
ScratchOrg	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The org ID of the scratch org. This field is read-only.
SignupCountry	**Type** string **Properties** Filter, Group, Sort **Description** The country code of the scratch org. This field is populated with the value of the Country field. If you didn't provide a value for Country, it's the country code of the Dev Hub. This field is read-only.

Field Name	Details
SignupEmail	**Type** email **Properties** Filter, Group, Sort **Description** The email address of the scratch org's Administration user. This field is populated with the value of the `AdminEmail` field. If you didn't provide a value for `AdminEmail`, it's the email address of your user in the Dev Hub. This field is read-only.
SignupInstance	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The Salesforce instance on which this scratch org resides. This field is read-only.
SignupLanguage	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of the scratch org. This field is populated with the value of the `Language` field. If you didn't provide a value for `Language`, it's the language of the Dev Hub. This field is read-only.
SignupTrialDays	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of days between the scratch org's creation and expiration. This field is read-only.
SignupUsername	**Type** string **Properties** Filter, Group, Sort **Description** The username of the Administration user of this scratch org. This field is populated with the value of the `Username` field. If you didn't provide a value for `Username`, the value of this field is auto-generated. This field is read-only.

Field Name	Details
`Status`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The status of the scratch org, such as active, expired, or deleted. This field is read-only.
`Username`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The username of the Administration user of this scratch org.

SEE ALSO:

- ActiveScratchOrg
- NamespaceRegistry
- *Salesforce DX Developer Guide*

SearchPromotionRule

Represents a promoted search term, which is one or more keywords that you associate with a Salesforce Knowledge article. When a user's search query includes these keywords, the associated article is returned first in search results. This object is available in API version 31.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

A user must have the "Manage Promoted Search Terms" permission.

Fields

Field Name	Details
`PromotedEntityId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the KnowledgeArticleVersion that the promoted search term is associated with. The article must be in published status.
`Query`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The text of the promoted search term. Maximum length: 100 characters. You can associate the same promoted search term with multiple articles. If the user's search matches the promoted term, all associated articles are promoted in search results, ordered by relevancy. For best results, create promoted search terms selectively and limit the number of articles that are promoted per term.

Usage

Use this object to optimize article search results in Salesforce Knowledge.

SecureAgent

Represents a Secure Agent that connects Salesforce to on-premises external data sources like SharePoint 2010 and 2013. This object is available in API version 32.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with

Field Name	Details
	a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of agent labels in the user interface.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The user-interface name for the agent.
`Priority`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Specifies the order in which this agent is accessed relative to others in a Secure Agent cluster. This field is available in API version 35 and later.
`ProxyUserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user profile specific to the agent.
`SecureAgentsClusterId`	**Type** reference

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The ID of a cluster of agents that contains this individual agent. Clusters provide failover protection if an agent on a particular server becomes inaccessible. To edit them, use the SecureAgentsCluster object. This field is available in API version 35 and later.

SecureAgentsCluster

Represents a cluster consisting of several Secure Agents on different servers. Clusters provide failover protection if an agent on a particular server becomes inaccessible. This object is available in API version 35.0 and later.

Secure Agents connect Salesforce to content in on-premises external data sources, such as SharePoint 2010 and 2013. To edit individual agents that are part of a cluster, use the SecureAgent object.

Supported Calls

`describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** Describes details about the cluster, providing context to other developers.
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the

Field Name	Details
	object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language of cluster labels in the user interface.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The user-interface name for the cluster.

SecurityCustomBaseline

Provides the ability to read, create, and delete user-defined custom security baselines, which define an org's security standards. This object is available in API version 39.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

You must have the "View Health Check" permission to read a custom baseline, and the "Manage Health Check" permission to create, edit, or delete one.

Fields

Field Name	Details
`Baseline`	**Type** textarea

Field Name	Details
	Properties Create, Nillable, Update **Description** The definition of an org's security settings standards.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
IsDefault	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Sets the baseline as the default in Security Health Check.
Language	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the presence status.
MasterLabel	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label for the category node.
NamespacePrefix	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The namespace prefix associated with the package.

SelfServiceUser

Represents a Contact who has been enabled to use your organization's Self-Service portal, where he or she can obtain online support.

Note: Starting with Spring '12, the Self-Service portal isn't available for new orgs. Existing orgs continue to have access to the Self-Service portal.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. All Self-Service users must be associated with a Contact. The contact's email should match the Self-Service user email. The contact must have a value in the `AccountId` field or an error occurs.
`Email`	**Type** email **Properties** Create, Filter, Group, Sort, Update **Description** Required. Make this the same as the email address for the Contact associated with this SelfServiceUser. Password resets and other system communication will be sent to this email address.

Field	Details
`FirstName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** First name of the Self-Service user.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the Self-Service user is allowed to log in to the Self-Service portal (`true`) or not (`false`). Note that there is no way to delete a Self-Service user. They can only be marked as inactive.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LanguageLocaleKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. This is a restricted picklist field. It is the primary language for the user. All on-screen text in the Self-Service portal is displayed in this language.
`LastLoginDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the Self-Service user last logged in.
`LastName`	**Type** string

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** Required. Last name of the Self-Service user.
`LocaleSidKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. This is a restricted picklist field. The value of this field affects the formatting and parsing of values, especially numeric values, in the Self-Service portal. Values are two-letter codes that indicate language and sometimes language and country. The codes are based on ISO standards.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName` and `LastName`. Limited to 121 characters.
`SuperUser`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this Self-Service user is a super user with additional access on his or her company's Self-Service portal (`true`) or not (`false`).
`TimeZoneSidKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. This is a restricted picklist field. The time zone of a affects the offset used when displaying or entering times in the Self-Service portal.
`Username`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Required. This contains the name that a Self-Service user enters to log into the Self-Service portal. Value must be unique in your organization. If you try to create or update a user with a duplicate value, the operation is rejected and an error is returned.

Usage

For security reasons, you can't query Self-Service user passwords via the API or the user interface. However, the API allows you to set and reset Self-Service user passwords using the `setPassword()` and `resetPassword()` calls.

SelfServiceUser records created from the API don't cause a notification email to be sent. If you want to notify the user, you must send them an email after creating the user.

SEE ALSO:

Contact

User

ServiceAppointment

Represents an appointment to complete field service work for a customer. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The account associated with the appointment. If the parent record is a work order or work order line item, this field's value is inherited from the parent. Otherwise, it remains blank.

Field Name	Details
`ActualDuration`	**Type** int **Properties** Create, Filter, Nillable, Sort, Update **Description** The number of minutes that it took the resource to complete the appointment after arriving at the address. When values are first added to the `Actual Start` and `Actual End` fields, the `Actual Duration` is automatically populated to list the difference between the `Actual Start` and `Actual End`. If the `Actual Start` and `Actual End` fields are subsequently updated, the `Actual Duration` field doesn't re-update, but you can manually update it.
`ActualEndTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The actual date and time the appointment ended.
`ActualStartTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The actual date and time the appointment started.
`Address`	**Type** address **Properties** Filter **Description** The address where the appointment is taking place. The address is inherited from the parent record if the parent record is a work order or work order line item.
`AppointmentNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-assigned number that identifies the appointment.

Field Name	Details
`ArrivalWindowEndTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The end of the window of time in which the technician is scheduled to arrive at the site. This window is typically larger than the Scheduled Start and End window to allow time for delays and scheduling changes. You may choose to share the Arrival Window Start and End with the customer, but keep the Scheduled Start and End internal-only.
`ArrivalWindowStartTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The beginning of the window of time in which the technician is scheduled to arrive at the site. This window is typically larger than the Scheduled Start and End window to allow time for delays and scheduling changes. You may choose to share the Arrival Window Start and End with the customer, but keep the Scheduled Start and End internal-only.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city where the appointment is completed. Maximum length is 40 characters.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact associated with the parent record. If needed, you can manually update the service appointment contact.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The country where the work order is completed. Maximum length is 80 characters.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the appointment.
`DueDate`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date by which the appointment must be completed. Earliest Start Permitted and Due Date typically reflect terms in the customer's service-level agreement.
`Duration`	**Type** double **Properties** Create, Nillable, Filter, Sort, Update **Description** The estimated length of the appointment. If the parent record is work order or work order line item, the appointment inherits its parent's duration, but it can be manually updated. The duration is in minutes or hours based on the value selected in the `Duration Type` field.
`DurationType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The unit of the Duration: Minutes or Hours.
`EarliestStartTime`	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** The date after which the appointment must be completed. Earliest Start Permitted and Due Date typically reflect terms in the customer's service-level agreement.

Field Name	Details
GeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. Usually provided by a geocoding service based on the address's latitude and longitude coordinates. Note: This field is available in the API only.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service appointment was last modified. Its label in the user interface is `Last Modified Date`.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service appointment was last viewed.
Latitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the address where the service appointments is completed. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. Note: This field is available in the API only.
Longitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description Used with `Latitude` to specify the precise geolocation of the address where the service appointment is completed. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. Note: This field is available in the API only.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the service appointment.
`ParentRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The parent record associated with the appointment. The parent record can't be updated after the service appointment is created.
`ParentRecordStatusCategory`	**Type** string **Properties** Group, Nillable, Sort **Description** (Read only) The `Status Category` of the parent record. If the parent record is a work order or work order line item, this field is populated; otherwise, it remains blank.
`ParentRecordType`	**Type** string **Properties** Group, Nillable, Sort **Description** (Read only) The type of parent record: Account, Asset, Opportunity, Work Order, or Work Order Line Item.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The postal code where the work order is completed. Maximum length is 20 characters.
`SchedEndTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time at which the appointment is scheduled to end. If you are using the Field Service Lightning managed packages with the scheduling optimizer, this field is populated once the appointment is assigned to a resource. `Scheduled End` – `Scheduled Start` = `Estimated Duration`.
`SchedStartTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time at which the appointment is scheduled to start. If you are using the Field Service Lightning managed packages with the scheduling optimizer, this field is populated once the appointment is assigned to a resource.
`ServiceTerritoryId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service territory associated with the appointment. If the parent record is a work order or work order line item, the appointment inherits its parent's service territory.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state where the service appointment is completed. Maximum length is 80 characters.
`Status`	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the appointment. The picklist includes the following values, which can be customized: • `None`—Default value. • `Scheduled`—Appointment has been assigned to a service resource. • `Dispatched`—Assigned service resource has been notified about their assignment. • `In Progress`—Work has begun. • `Completed`—Work is complete. • `Cannot Complete`—Work could not be completed. • `Canceled`—Work is canceled, typically before any work began
`StatusCategory`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The category that each `Status` value falls into. The `Status Category` field has seven values which are identical to the default `Status` values. If you create custom `Status` values, you must indicate which category it belongs to. For example, if you create a *`Customer Absent`* value, you may decide that it belongs in the *`Cannot Complete`* category. The `Status Category` field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street number and name where the service appointment is completed.
`Subject`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description A short phrase describing the appointment.
`WorkTypeId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The work type associated with the service appointment. The work type is inherited from the appointment's parent record if the parent is a work order or work order line item.

Usage

Service appointments always have a parent record, which can be a work order, work order line item, opportunity, account, or asset. The type of parent record tells you about the nature of the service appointment:

- Service appointments on *work orders* and *work order line items* offer a more detailed view of the work being performed. While work orders and work order line items let you enter general information about a task, service appointments are where you add the details about scheduling and ownership.
- Service appointments on *assets* represent work being performed on the asset.
- Service appointments on *accounts* represent work being performed for the account.
- Service appointments on *opportunities* represent work that is related to the opportunity.

ServiceAppointmentFeed

Represents a single feed item on a service appointment record detail page. This object is available in API version 38.0 and later.

A service appointment feed shows changes to tracked fields on a service appointment record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service appointments in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.

Field Name	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service appointment record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a content post. This field is null for all posts, except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the Link URL is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceAppointmentHistory

Represents the history of changes made to tracked fields on a service appointment. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ServiceAppointmentId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the service appointment being tracked. The history is displayed on the detail page for this record.

ServiceAppointmentOwnerSharingRule

Represents the rules for sharing a service appointment with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 38.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.

Field	Details
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A service appointment owned by a User in the source Group triggers the rule to give access.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
ServiceAppointmentAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • Read • Edit • All
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ServiceAppointmentShare

Represents a sharing entry on a service appointment. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the service appointment. The possible values are: • *`Read`* • *`Edit`* • *`All`* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default service appointment access level.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service appointment associated with the sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *`Manual`* (default). Valid values include: • *`Manual`*—The user or group has access because a user with "All" access manually shared the service appointment. • *`Owner`*—The user is the owner of the service appointment. • *`Team`*—The user or group has team access.

Field Name	Details
	• `Rule`—The user or group has access via a service appointment sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the service appointment.

ServiceAppointmentStatus

Represents a possible status of a service appointment in field service.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`ApiName`	**Type** string **Properties** Filter, Group, Sort **Description** The API name of the status value.
`IsDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the status value is the default status on service appointments. Only one status value can be the default.

Field Name	Details
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The label for the picklist value that appears in the UI.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The value's position in the drop-down list of values in the UI.
`StatusCode`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The status category that the value corresponds to. The Status Category field has seven values which are identical to the default Status values.

Usage

The Status field on service appointments comes with the following values:

- None—Default value.
- Scheduled—Appointment has been assigned to a service resource.
- Dispatched—Assigned service resource has been notified about their assignment.
- In Progress—Work has begun.
- Completed—Work is complete.
- Cannot Complete—Work could not be completed.
- Canceled—Work is canceled, typically before any work began

The ServiceAppointmentStatus object corresponds to the Status field. Adding a value to the Status field—for example, Waiting—creates a service appointment status record, and vice versa.

Note: Service appointments also come with a StatusCategory field whose values are identical to the default Status values. If you create custom Status values, you must indicate which category it belongs to. For example, if you create a *`Customer Absent`* value, you may decide that it belongs in the *`Cannot Complete`* category.

The Status Category field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.

ServiceChannel

Represents a channel of work items that are received from your organization—for example, cases, chats, or leads. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`CapacityPercentage`	**Type** percent **Properties** Create, Filter, Nillable, Sort, Update **Description** The percentage of an agent's capacity for work items that's consumed by a specific type of work item from this service channel. For example, you might give phone calls a capacity percentage of *100*. If an agent receives a phone call, the agent won't receive new work items until the call ends, because at that point the agent's capacity will have reached 100%. This field is available in API version 32.0 and earlier. For later API versions, you can set the capacity percentage of work items on the QueueRoutingConfig object.
`CapacityWeight`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The amount of an agent's capacity for work items that's consumed by a work item from this service channel. For example, if an agent has a capacity of *6*, and cases are assigned a capacity weight of *2*, an agent can be assigned up to 3 cases before the agent is at capacity and can't receive new work items. This field is available in API version 32.0 and earlier. For later API versions, you can set the capacity weight of work items on the QueueRoutingConfig object.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the service channel.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label of the service channel.
`RelatedEntity`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Unique, Update **Description** The type of object that's associated with this service channel.

ServiceChannelStatus

Represents the status that's associated with a specific service channel. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
ServiceChannelId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the service channel.
ServicePresenceStatusId	**Type** reference **Properties** Create, Filter,Group, Nillable, Sort **Description** The ID of the presence status that's associated with the service channel that's specified by the `ServicePresenceChannelId`.

ServiceContract

Represents a customer support contract (business agreement). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
AccountId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the account associated with the service contract.
ActivationDate	**Type** dateTime

Field	Details
	Properties Filter, Nillable, Sort **Description** The initial day the service contract went into effect (whereas `StartDate` may include a renewal date).
`ApprovalStatus`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Sort **Description** Approval status of the service contract.
`BillingAddress` (beta)	**Type** address **Properties** Filter, Nillable **Description** The compound form of the billing address. Read-only. See Address Compound Fields for details on compound address fields.
`BillingCity`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address. Maximum size is 40 characters.
`BillingCountry`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address. Maximum size is 40 characters.
`BillingCountryCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the service contract's billing address.

Field	Details
BillingLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLongitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
BillingLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `BillingLatitude` to specify the precise geolocation of a billing address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
BillingPostalCode	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details for the billing address. Maximum size is 20 characters.
BillingState	**Type** string **Properties** Group, Sort, Filter, Nillable **Description** Details for the billing address. Maximum size is 20 characters.
BillingStateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the service contract’s billing address.
BillingStreet	**Type** textarea **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Street address for the billing address.
ContactId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the Contact associated with the service contract. Must be a valid ID.
ContractNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** Unique number automatically assigned to the service contract.
Description	**Type** textarea **Properties** Nillable **Description** Description of the service contract.
Discount	**Type** percent **Properties** Filter, Nillable, Sort **Description** The last day the service contract is in effect. Weighted average of all contract line item discounts on the service contract.
EndDate	**Type** date **Properties** Filter, Group, Nillable, Sort **Description** The last day the service contract is in effect.
GrandTotal	**Type** currency

Field	Details
	Properties Filter, Nillable, Sort **Description** Total price of the service contract plus shipping and taxes.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`LineItemCount`	**Type** int **Properties** Filter, Nillable, Group, Sort **Description** Number of ContractLineItem records associated with the service contract.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name of the service contract.

Field	Details
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who currently owns the service contract.
`ParentServiceContractId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service contract's parent service contract, if it has one.
`Pricebook2Id`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the Pricebook2 associated with the service contract. Must be a valid ID.
`RootServiceContractId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level service contract in a service contract hierarchy. Depending on where a service contract lies in the hierarchy, its root could be the same as its parent.
`ShippingAddress` (beta)	**Type** address **Properties** Filter, Nillable **Description** The compound form of the shipping address. Read-only. See Address Compound Fields for details on compound address fields.
`ShippingCity`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Details of the shipping address. Maximum size is 40 characters.
`ShippingCountry`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Details of the shipping address. Country maximum size is 40 characters.
`ShippingCountryCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code for the service contract’s shipping address.
`ShippingLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLongitude` to specify the precise geolocation of a shipping address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places.
`ShippingLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `ShippingLatitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places.
`ShippingPostalCode`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details of the shipping address. Postal code maximum size is 20 characters.

Field	Details
`ShippingState`	**Type** string **Properties** Create, Filter, Nillable, Update **Description** Details of the shipping address. State maximum size is 20 characters.
`ShippingStateCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code for the service contract's shipping address.
`ShippingStreet`	**Type** textarea **Properties** Create, Filter, Nillable, Update **Description** The street address of the shipping address. Maximum of 255 characters.
`SpecialTerms`	**Type** textarea **Properties** Create, Nillable, Update **Description** Any terms specifically agreed to and tracked in the service contract.
`StartDate`	**Type** date **Properties** Create, Filter, Nillable, Update **Description** The first day the service contract is in effect.
`Status`	**Type** picklist **Properties** Filter, Nillable **Description** The status of the service contract, such as Inactive.

Field	Details
Subtotal	**Type** currency **Properties** Filter, Nillable **Description** Total of the service contract line items (products) before discounts, taxes, and shipping are applied.
Tax	**Type** currency **Properties** Create, Filter, Nillable, Update **Description** Total taxes for the service contract.
Term	**Type** int **Properties** Create, Filter, Nillable, Update **Description** Number of months that the service contract is valid.
TotalPrice	**Type** currency **Properties** Filter, Nillable **Description** Total of the contract line items (products) after discounts and before taxes and shipping.

SEE ALSO:

ServiceContractHistory

ServiceContractShare

ServiceContractOwnerSharingRule

ServiceContractFeed

Represents a single feed item in the feed displayed on the detail page for a service contract record. This object is available in API version 23.0 and later.

A service contract feed shows recent changes to a service contract for any fields that are tracked in feeds, and comments and posts about the record. It's a useful way to stay up-to-date with changes to service contracts.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the ServiceContract object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content for the ServiceContractFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.

Field Name	Details
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is `ContentPost`. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
ContentSize	**Type** int **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates multiple posts and comments from another application into a feed, InsertedById is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item Body contains rich text. Set IsRichText to true if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • •

Field Name	Details
	• `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` **Note:** In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on the feed item, then `LastModifiedDate` becomes the `CreatedDate` for the FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service contract record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as a ServiceContractFeed object of `Type` `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** Title of the ServiceContractFeed. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.

Field Name	Details
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of ServiceContractFeed: • ActivityEvent—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • AdvancedTextPost—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • AnnouncementPost—Not used. • ApprovalPost—generated when a user submits an approval. • BasicTemplateFeedItem—Not used. • CanvasPost—a post made by a canvas app posted on a feed. • CollaborationGroupCreated—generated when a user creates a public group. • CollaborationGroupUnarchived—Not used. • ContentPost—a post with an attached file. • CreatedRecordEvent—generated when a user creates a record from the publisher. • DashboardComponentAlert—generated when a dashboard metric or gauge exceeds a user-defined threshold. • DashboardComponentSnapshot—created when a user posts a dashboard snapshot on a feed. • LinkPost—a post with an attached URL. • PollPost—a poll posted on a feed. • ProfileSkillPost—generated when a skill is added to a user's Chatter profile. • QuestionPost—generated when a user posts a question. • ReplyPost—generated when Chatter Answers posts a reply. • RypplePost—generated when a user creates a Thanks badge in Work.com. • TextPost—a direct text entry on a feed. • TrackedChange—a change or group of changes to a tracked field.

Field Name	Details
	• `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for a service contract record.

SEE ALSO:

ServiceContract

ServiceContractHistory

ServiceContractOwnerSharingRule

FeedItem

ServiceContractHistory

Represents the history of changes to the values in the fields on a ServiceContract (customer support agreement). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The name of the field that was changed.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable

Field	Details
	Description The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable **Description** The latest value of the field before it was changed.
`ServiceContractId`	**Type** reference **Properties** Filter **Description** Required. ID of the ServiceContract.

Usage

Use this object to identify changes to a service contract.

This object respects field level security on the parent object.

SEE ALSO:

ServiceContract

ServiceContractShare

ServiceContractOwnerSharingRule

ServiceContractOwnerSharingRule

Represents the rules for sharing a ServiceContract (customer service agreement) with users other than the owner. This object is available in API version 18.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** A value that represents the type of sharing allowed. The possible values are: • `Read` • `Edit`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort,

Field Name	Details
	Description The ID representing the source group. Service contracts owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** in the user interface.
`UserorGroupId`	**Type** reference **Properties** Create, Filter **Description** The ID representing the target user or group. Target users or groups are given access.

Usage

Use this object to manage the sharing rules for a service contract. General sharing and territory management-related sharing use this object.

SEE ALSO:

ServiceContract

ServiceContractShare

ServiceContractHistory

Metadata API Developer Guide: SharingRules

ServiceContractShare

Represents a sharing entry on a ServiceContract (customer support agreement). This object is available in API version 18.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** Level of access that the User or Group has to the ServiceContract. The possible values are: • `Read` • `Edit` • `All` (This value is not valid for create or update calls.) This field must be set to an access level that is higher than the organization's default access level for service contracts.
`ParentId`	**Type** reference **Properties** Create, Filter **Description** ID of the parent object, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Defaulted on create, Restricted picklist **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values may include: • `Manual`—The User or Group has access because a user with "All" access manually shared the ServiceContract with them. • `Owner`—The User is the owner of the ServiceContract or is in a role above the service contract owner in the role hierarchy.
`UserOrGroupId`	**Type** reference

Field	Details
	Properties Create, Filter **Description** ID of the User or Group that has been given access to the ServiceContract.

Usage

This object allows you to determine which users and groups can view and edit ServiceContract records owned by other users.

If you attempt to create a new record that matches an existing record, the create call updates any modified fields and returns the existing record.

SEE ALSO:

ServiceContract

ServiceContractHistory

ServiceContractOwnerSharingRule

ServiceCrew

Represents a group of service resources who can be assigned to service appointments as a unit.

A service crew is a group of service resources whose combined skills and experience make them a good fit to work together on appointments. For example, a wellhead repair crew might include a hydrologist, a mechanical engineer, and an electrician.

Service appointments can only be assigned to service resources. To assign a service crew to service appointments, you must create a service resource with a resource type of Crew that represents the crew, then use the resource for assignment purposes.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`CrewSize`	**Type** int

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** The number of members on the crew. This field is manual, so it doesn't auto-update when you add or remove members.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service crew was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service crew was last viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the service crew. For example, Repair Crew.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The crew owner. By default, the owner is the person who created the service crew.

ServiceCrewFeed

Represents a single feed item on a service crew record detail page.

A service crew feed shows changes to tracked fields on a service crew record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service crews in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Service Crew object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service crew record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.

Field Name	Details
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceCrewHistory

Represents the history of changes made to tracked fields on a service crew.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The value of the field before it was changed.
`ServiceCrewId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service crew being tracked. The history is displayed on the detail page for this record.

ServiceCrewMember

Represents a technician service resource that belongs to a service crew.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`EndDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The last day that the service resource belongs to the crew. You can use this field to track employment dates for contractors.
`IsLeader`	**Type** boolean

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates that the member is the crew leader.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service crew member was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service crew member was last viewed.
`ServiceCrewId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The crew that the service resource belongs to.
`ServiceCrewMemberNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the service crew member.
`ServiceResourceId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The service resource that belongs to the crew. Only service resources whose resource type is Technician can be added to service crews.

Field Name	Details
StartDate	**Type** dateTime **Properties** Create, Filter, Sort, Update **Description** Required. The day the service resource joins the crew. Service resources can belong to multiple crews as long as their start and end dates don't overlap.

ServiceCrewMemberFeed

Represents a single feed item on a service crew member record detail page.

A service crew member feed shows changes to tracked fields on a service crew member record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service crew members in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Service Crew Member object
- "Moderate Chatter"

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
CommentCount	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the service crew member record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceCrewMemberHistory

Represents the history of changes made to tracked fields on a service crew member.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ServiceCrewMemberId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service crew member being tracked. The history is displayed on the detail page for this record.

ServiceCrewOwnerSharingRule

Represents the rules for sharing a service crew with user records other than the owner or anyone above the owner in the role hierarchy.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A service crew owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`ServiceResourceAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ServiceCrewShare

Represents a sharing entry on a service crew.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the service crew. The possible values are: • *Read* • *Edit* • *All* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default service crew access level.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service crew associated with the sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *Manual* (default). Valid values include: • *Manual*—The user or group has access because a user with "All" access manually shared the service crew. • *Owner*—The user is the owner of the service crew. • *Team*—The user or group has team access. • *Rule*—The user or group has access via a service crew sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the service crew.

ServicePresenceStatus

Represents a presence status that can be assigned to a service channel. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the presence status.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label of the presence status.

ServiceReport

Represents a report that summarizes a work order, work order line item, or service appointment.

The fields that appear on a service report are determined by its service report template. Service reports can be signed by the customer and shared as a PDF.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`ContentVersionDocumentId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the service report version, used for storage.
`DocumentBody`	**Type** base64 **Properties** Create, Nillable **Description** The report output.
`DocumentContentType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of data used for the report output: application/pdf.
`DocumentLength`	**Type** int **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The length of the report output.
`DocumentName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The name of the report output, always set to Service Report.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the service appointment, work order, or work order line item that the service report summarizes. For example, if you click **Create Service Report** on a service appointment, this field lists the service appointment's record ID.
`ServiceReportNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the service report.
`Template`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The service report template used to generate the service report. Note: If the person creating the service report doesn't have access to certain objects or fields that are included in the service report template, those fields won't be visible in the report they create.

ServiceReportLayout

Represents a service report template in field service.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The developer name of the service report template.
`Language`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The language that the service report template uses.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the service report template was last viewed.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the service report template. For example, Maintenance Report Template.

ServiceResource

Represents a service technician or service crew in field service. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the resource.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** When selected, this option means that the resource can be assigned to work orders. For service tracking purposes, resources can't be deleted, so deactivating a resource is the best way to send them into retirement. Deactivating a user deactivates the related service resource. You can't create a service resource that is linked to an inactive user.
`IsCapacityBased`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Capacity-based resources are limited to a certain number of hours or appointments in a specified time period. Tip: The Capacities related list shows a resource's capacity.

Field Name	Details
`IsOptimizationCapable`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** When selected, this option means that the service scheduling optimizer can assign this resource to work orders during the optimization process. Use only if the Field Service Lightning managed packages are installed. Its label in the user interface is `Include in Scheduling Optimization`. Only users with the “Field Service Scheduling” permission set license can be included in scheduling optimization. Optimization isn’t available for service crews, so if the service resource has a `Resource Type` of Crew, selecting this option has no results.
`LastKnownLatitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The latitude of the last known location.
`LastKnownLongitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The longitude of the last known location.
`LastKnownLocation`	**Type** location **Properties** Nillable **Description** The service resource’s last known location. You can configure this field to display data collected from a custom mobile app. This field is not visible in the user interface, but you can expose it on service resource page layouts or set up field tracking to be able to view a resource’s location history.
`LastKnownLocationDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The date and time of the last known location.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service resource was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the service resource was last viewed.
`LocationId`	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** The location associated with the service resource. For example, a service vehicle driven by the service resource.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The resource's name. You'll likely want this to be the name or title of the associated user or service crew.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the service resource.

Field Name	Details
RelatedRecordId	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable **Description** The associated user. Its label in the UI is `User`. If the service resource represents a service crew rather than a user, leave the `User` field blank and select the related crew in the `ServiceCrewId` field.
ResourceType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates whether the resource is a Technician, Dispatcher, Crew, or Agent. Resources who are dispatchers can't be capacity-based or included in scheduling optimization. Only users with the "Field Service Dispatcher" permission set license can be dispatchers. Note: You can't add additional resource types.
ServiceCrewId	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** The associated service crew. If the service resource represents a crew, select the crew. Note: This field is hidden for all users by default. To use it, update its field-level security settings in Setup and add it to your service resource page layouts.

ServiceResourceCapacity

Represents the maximum number of scheduled hours or number of service appointments that a capacity-based service resource can complete within a specific time period. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`CapacityInHours`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The number of hours that the resource can work per time period. You must fill out this field, the `CapacityInWorkItems` field, or both.
`CapacityInWorkItems`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The total number of service appointments that the resource can complete per time period. You must fill out this field, the `CapacityInHours` field, or both.
`CapacityNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** (Read only) An auto-generated number identifying the capacity record.
`EndDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date the capacity ends; for example, the end date of a contract.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`ServiceResourceId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The associated service resource. You can set multiple capacities for a resource as long as their start and end dates do not overlap.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Sort **Description** The date the capacity goes into effect.
`TimePeriod`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Days, Hours, or Months. For example, if a resource can work 80 hours per month, the capacity's `Time Period` would be *`Month`* and `Hours per Time Period` would be *`80`*.

Usage

Service resources who are capacity-based can only work a certain number of hours or complete a certain number of service appointments within a specified time period. Contractors tend to be capacity-based. To indicate that a service resource is capacity-based, select **Capacity-Based** on the service resource record, then create a capacity record for the service resource.

You must fill out at least one of these fields: `CapacityInWorkItems` and `CapacityInHours`. If you're using the Field Service Lightning managed package and would like to measure capacity both in hours and in number of work items, enter a value for both. The resource is considered to reach their capacity based on whichever term is met first—hours or number of work items.

Important: If you aren't using the Field Service Lightning managed package, capacity serves more as a suggestion than a rule. Resources can still be as scheduled beyond their capacity, and you aren't notified when a resource exceeds their capacity.

ServiceResourceCapacityFeed

Represents a single feed item on a service resource capacity record detail page. This object is available in API version 38.0 and later.

A service resource capacity feed shows changes to tracked fields on a service resource capacity record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service resource capacities in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.

Field Name	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service resource capacity record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceResourceCapacityHistory

Represents the history of changes made to tracked fields on a service resource capacity record. This object is available in API version 38.0 and later.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and field tracking for service resource capacity fields must be configured.

Fields

Field Name	Details
`Field`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ServiceResourceCapacityId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service resource capacity being tracked. The history is displayed on the detail page for this record.

ServiceResourceFeed

Represents a single feed item on a service resource record detail page. This object is available in API version 38.0 and later.

A service resource feed shows changes to tracked fields on a service resource record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service resources in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the ServiceResource object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service resource record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkURL` field is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceResourceHistory

Represents the history of changes made to tracked fields on a service resource. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ServiceResourceId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the service resource being tracked. The history is displayed on the detail page for this record.

ServiceResourceOwnerSharingRule

Represents the rules for sharing a service resource with user records other than the owner or anyone above the owner in the role hierarchy. This object is available in API version 38.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.

Field	Details
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A service resource owned by a User in the source Group triggers the rule to give access.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
ServiceResourceAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • Read • Edit • All
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

ServiceResourceShare

Represents a sharing entry on a service resource. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the service resource. The possible values are: • *`Read`* • *`Edit`* • *`All`* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default service resource access level.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service resource associated with the sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *`Manual`* (default). Valid values include: • *`Manual`*—The user or group has access because a user with "All" access manually shared the service resource. • *`Owner`*—The user is the owner of the service resource. • *`Team`*—The user or group has team access.

Field Name	Details
	• `Rule`—The user or group has access via a service resource sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the service resource.

ServiceResourceSkill

Represents a skill that a service resource possesses. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`EffectiveEndDate`	**Type** date **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when the skill expires. For example, if a service resource needs to be re-certified after six months, the end date would be the date their certification expires.
`EffectiveStartDate`	**Type** date **Properties** Create, Filter, Sort, Update

Field Name	Details
	Description The date when the service resource gains the skill. For example, if the skill represents a certification, the start date would be the date of certification.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource skill was last modified. Its label in the user interface is Last Modified Date.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the resource skill was last viewed.
ServiceResourceId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service resource who possesses the skill.
SkillId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The skill the service resource possesses.
SkillLevel	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The service resource’s skill level. Skill level can range from zero to 99.99.
SkillNumber	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the resource skill assignment.

Usage

You can assign skills to all service resources in your org to indicate their certifications and areas of expertise, and specify each resource's skill level from 0 to 99.99. For example, you can assign Maria the "Welding" skill, level 50.

If you intend to use the skills feature, determine which skills you want to track and how skill level should be determined. For example, you may want the skill level to reflect years of experience, certification levels, or license classes.

ServiceResourceSkillFeed

Represents a single feed item on a service resource skill record detail page. This object is available in API version 38.0 and later.

A service resource skill feed shows changes to tracked fields on a service resource skill record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service resource skills in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.

Field Name	Details
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the service resource skill record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a content post. This field is null for all posts, except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the Link URL is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceResourceSkillHistory

Represents the history of changes made to tracked fields on a service resource skill. This object is available in API version 38.0 and later.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
ServiceResourceSkillId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the resource skill being tracked. The history is displayed on the detail page for this record.

ServiceTerritory

Represents a geographic or functional region in which field service work can be performed. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
Address	**Type** address **Properties** Filter **Description** An address to associate with the territory. You may want to list the address of the territory’s headquarters.
City	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the associated address. Maximum length is 40 characters.
Country	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country to associate with the territory. Maximum length is 80 characters.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the territory.
GeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field Name	Details
	Description The level of accuracy of a location's geographical coordinates compared with its physical address. Usually provided by a geocoding service based on the address's latitude and longitude coordinates. Note: This field is available in the API only.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the service territory is meant to be used. If a territory is inactive, you can't add members to it or link it to work orders, work order line items, or service appointments.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the territory was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the territory was last viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the address associated with the territory. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. Note: This field is available in the API only.

Field Name	Details
Longitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of the address associated with the territory. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. Note: This field is available in the API only.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the territory.
OperatingHoursId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The territory's operating hours, which indicate when service appointments within the territory can occur. Service resources who are members of a territory automatically inherit the territory's operating hours unless different hours are specified on the resource record.
ParentTerritoryId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The territory's parent service territory, if it has one. For example, a *`Northern California`* territory can have a *`State of California`* territory as its parent. A service territory hierarchy can contain up to 10,000 territories.
PostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The postal code of the address associated with the territory. Maximum length is 20 characters.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the address associated with the territory. Maximum length is 80 characters.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street number and name of the address associated with the territory.
`TopLevelTerritoryId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level territory in a hierarchy of service territories. Depending on where a territory lies in the hierarchy, its top-level territory might be the same as its parent.

Usage

If you want to use service territories, determine which territories you need to create. Depending on how your business works, you may decide to create territories based on cities or counties, or on functional categories such as sales versus service. If you plan to build out a hierarchy of service territories, create the highest-level territories first.

For example, you can create a hierarchy of territories to represent the areas where your team works in California. Include a top-level territory named *`California`*, three child territories named *`Northern California`*, *`Central California`*, and *`Southern California`*, and a series of third-level territories corresponding to California counties. Assign service resources to each county territory to indicate who is available to work in that county.

ServiceTerritoryFeed

Represents a single feed item on a service territory record detail page. This object is available in API version 38.0 and later.

A service territory feed shows changes to tracked fields on a service territory record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service territories in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.

Field Name	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service territory record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceTerritoryHistory

Represents the history of changes made to tracked fields on a service territory. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.

Field Name	Details
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`ServiceTerritoryId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service territory being tracked. The history is displayed on the detail page for this record.

ServiceTerritoryLocation

Represents a location associated with a particular service territory in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`LocationId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The location that is associated with the service territory.
`ServiceTerritoryId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The associated service territory.
ServiceTerritoryLocationNumber	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) Auto-generated number identifying the service territory location.

ServiceTerritoryMember

Represents a service resource who can be assigned to service appointments in a service territory. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
Address	**Type** address **Properties** Filter **Description** The member's address. You may want to list the related service resource's address in this field.
City	**Type** string

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The city of the member's address. Maximum length is 40 characters.
`Country`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The country of the member's address. Maximum length is 80 characters.
`EffectiveEndDate`	**Type** date **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when the service resource is no longer a member of the territory. If the resource will be working in the territory for the foreseeable future, leave this field blank. This field is mainly useful for indicating when a temporary relocation ends.
`EffectiveStartDate`	**Type** date **Properties** Create, Filter, Sort, Update **Description** The date when the service resource becomes a member of the service territory.
`GeocodeAccuracy`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. Usually provided by a geocoding service based on the address's latitude and longitude coordinates. Note: This field is available in the API only.
`LastReferencedDate`	**Type** dateTime

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The date when the territory member was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the territory member was last viewed.
`Latitude`	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the member's address. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. Note: This field is available in the API only.
`Longitude`	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of the member's address. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. Note: This field is available in the API only.
`MemberNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** (Read only) An auto-generated number identifying the service territory member.

Field Name	Details
OperatingHoursId	**Type** reference **Properties** Create, Filter, Group, Sort, Nillable, Update **Description** The operating hours assigned to the service territory member. If no operating hours are specified, the member is assumed to use their parent service territory's operating hours. If a member needs special operating hours, create them in Setup and select them in the `Operating Hours` lookup field on the member's detail page.
PostalCode	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the member's address. Maximum length is 20 characters.
ServiceResourceId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The service resource assigned to the service territory.
ServiceTerritoryId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The service territory that the service resource is assigned to.
State	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The state of the member's address. Maximum length is 80 characters.
Street	**Type** textarea

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The street number and name of the member's address.
`TerritoryType`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Primary, Secondary, or Relocation. • The primary territory is typically the territory where the resource works most often—for example, near their home base. Service resources can only have one primary territory. • Secondary territories are territories where the resource can be assigned to appointments if needed. Service resources can have multiple secondary territories. • Relocation territories represent temporary moves for service resources. If you're using the Field Service Lightning managed packages with the scheduling optimizer, resources with relocation territories are always assigned to services within their relocation territories during the specified relocation dates; if they don't have a relocation territory, the primary territories are favored over the secondary. For example, a service resource might have the following territories: • Primary territory: *`West Chicago`* • Secondary territories: – *`East Chicago`* – *`South Chicago`* • Relocation territory: *`Manhattan`*, for a three-month period

Usage

If you delete a service territory with members, the service resources who were members no longer have any connection to the territory.

ServiceTerritoryMemberFeed

Represents a single feed item on a service territory member record detail page. This object is available in API version 38.0 and later.

A service territory member feed shows changes to tracked fields on a service territory member record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to service territory members in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service territory member record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.

Field Name	Details
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

ServiceTerritoryMemberHistory

Represents the history of changes made to tracked fields on a service territory member. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The value of the field before it was changed.
`ServiceTerritoryMemberId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the service territory member being tracked. The history is displayed on the detail page for this record.

SessionPermSetActivation

The SessionPermSetActivation object represents a permission set assignment activated during an individual user session. When a SessionPermSetActivation object is inserted into a permission set, an activation event fires, allowing the permission settings to apply to the user's specific session. This object is available in API versions 37.0 and later.

Supported Calls

`describeCompactLayouts()`, `describeLayout()`, `query()`, `retrieve()`

Fields

Field Name	Details
`AuthSessionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The session ID related to this permission set assignment for its duration.
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The session details, such as device used and browser.

Field Name	Details
PermissionSetId	**Type** reference **Properties** Filter, Group, Sort **Description** The permission set ID related to this permission set assignment and user for its duration.
UserId	**Type** reference **Properties** Filter, Group, Sort **Description** The user ID of the user to whom this permission set assignment applies for its duration.

Usage

Use SessionPermSetActivation to create a permission set available only for a specified session's duration. For example, create permission sets that provide access to specific applications only during authenticated sessions.

In the following Apex example, an identified session is activated after session information is submitted via a button. Successful activation results in a confirmation message displayed to the user.

```
public class SessionPermSetActivationController {
    // id of the session permission set to be activated
    private final String sessionPermSetId = '0PSxx00000004rJ';
    private final String sessionId;

    public SessionPermSetActivationController() {
       Map<String, String> sessionManagement = Auth.SessionManagement.getCurrentSession();

        sessionId = sessionManagement.get('SessionId');
    }

    public PageReference activate() {
        // activate the permission set
        SessionPermSetActivation activation = new SessionPermSetActivation();
        activation.AuthSessionId = sessionId;
        activation.PermissionSetId = sessionPermSetId;
        activation.Description = 'created by SessionPermSetActivationController';

        insert activation;
        return null;
    }
```

```
    public boolean getActivated() {
        Integer alreadyActivated =  [SELECT count()
                                             FROM SessionPermSetActivation
                                             WHERE AuthSessionId = :sessionId
                                            And PermissionSetId = :sessionPermSetId  LIMIT
 1];
        return alreadyActivated > 0;
    }
}


<apex:page controller="SessionPermSetActivationController">
      <apex:outputPanel rendered="{!!Activated}">
          <h3>Activate Session Permission Set</h3>
          <br />
          <apex:form >
                <apex:commandButton action="{!activate}" value="Activate"
id="activateButton"/>
          </apex:form>
      </apex:outputPanel>
      <apex:outputPanel rendered="{!Activated}">
          <h3>Session Permission Set is already active.</h3>
      </apex:outputPanel>
</apex:page>
```

SetupAuditTrail

Represents changes you or other admins made in your org's Setup area for at least the last 180 days. This object is available in API version 15.0 and later.

Note: SetupAuditTrail is not a supported standard controller. Using SetupAuditTrail as a standard controller in a Visualforce page results in an error.

Supported Calls

`query()`, `retrieve()`

Note: Aggregate queries aren't supported on this object. For example, `SELECT count() FROM SetupAuditTrail` works but `SELECT count(Id) FROM SetupAuditTrail` fails.

Fields

Field	Details
Action	**Type** string **Properties** Filter, Sort

Field	Details
	Description The category of the change made in Setup. For example, a value of *PermSetCreate* indicates that an administrator created a permission set. The Display field contains more specific information.
DelegateUser	**Type** string **Properties** Filter, Nillable, Sort **Description** The Login-As user who executed the action in Setup. If a Login-As user didn't perform the action, this field is blank. This field is available in API version 35.0 and later.
Display	**Type** string **Properties** Nillable, Sort **Description** The full description of changes made in Setup. For example, if the Action field has a value of *PermSetCreate*, the Display field has a value like "Created permission set MAD: with user license Salesforce."
Section	**Type** string **Properties** Nillable, Sort **Description** The section in the Setup menu where the action occurred. For example, Manage Users or Company Profile.

Note: You can use SOQL joins to get the information you need more quickly. For example, running `SELECT CreatedBy.Name FROM SetupAuditTrail LIMIT 10` returns the first and last names of the last 10 people to make changes in Setup.

SetupEntityAccess

Represents the enabled setup entity access settings (such as for Apex classes) for the parent PermissionSet. This object is available in API version 25.0 and later.

To grant users access to an entity, associate the appropriate SetupEntityAccess record with a PermissionSet that's assigned to a user.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the entity's parent PermissionSet.
`SetupEntityId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the entity for which access is enabled, such as an Apex class or Visualforce page.
`SetupEntityType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of setup entity for which access is enabled. Valid values are: • `ApexClass` for Apex classes • `ApexPage` for Visualforce pages • In API version 28.0 and later, `ConnectedApplication` for OAuth connected apps • In API version 31.0 and later, `CustomPermission` for custom permissions • In API version 28.0 and later, `ServiceProvider` for service providers • In API version 28.0 and later, `TabSet` for apps

Usage

Because SetupEntityAccess is a child of the PermissionSet object, the usage is similar to other PermissionSet child objects like FieldPermissions and ObjectPermissions.

For example, the following code returns all permission sets that grant access to any setup entities for which access is enabled:

```
SELECT Id, ParentId, Parent.Name, SetupEntityId
FROM SetupEntityAccess
```

The following code returns permission sets that grant access only to Apex classes:

```
SELECT Id, ParentId, Parent.Name, SetupEntityId
FROM SetupEntityAccess
WHERE SetupEntityType='ApexClass'
```

The following code returns permission sets that grant access to any setup entities, and are not owned by a profile:

```
SELECT Id, ParentId, Parent.Name, SetupEntityId
FROM SetupEntityAccess
WHERE ParentId
IN (SELECT Id
   FROM PermissionSet
   WHERE isOwnedByProfile = false)
```

You may want to return only those permission sets that have access to a specific setup entity. To do this, query the parent object. For example, this code returns all permission sets that grant access to the `helloWorld` Apex class:

```
SELECT Id, Name,
   (SELECT Id, Parent.Name, Parent.Profile.Name
   FROM SetupEntityAccessItems)
FROM ApexClass
WHERE Name = 'helloWorld'
```

While it's possible to return permission sets that have access to a `ConnectedApplication`, `ServiceProvider`, or `TabSet` by `SetupEntityId`, it's not possible to return permission sets that have access to these `SetupEntityType` fields by any other AppMenuItem attribute, such as `Name` or `Description`. For example, to find out if a user has access to the Recruiting app, you'd run two queries. First, query to get the AppMenuItem ID:

```
SELECT Id, Name, Label
FROM AppMenuItem
WHERE Name = 'Recruiting'
```

Let's say the previous query returned the AppMenuItem ID 02uD0000000GIiMIAW. Using this ID, you can now run a query to find out if a user has access to the Recruiting app:

```
SELECT Id, SetupEntityId, SetupEntityType
FROM SetupEntityAccess
WHERE ParentId
IN
   (SELECT PermissionSetId
   FROM PermissionSetAssignment
```

```
   WHERE AssigneeId = '005D0000001QOzF')
AND (SetupEntityId = '02uD0000000GIiMIAW')
```

SEE ALSO:

PermissionSet

FieldPermissions

ObjectPermissions

ApexClass

ApexPage

Shipment

Represents the transport of inventory in field service.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`ActualDeliveryDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date the product was delivered.
`DeliveredToId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The person or entity the product was delivered to.
`Description`	**Type** textarea

Field Name	Details
	Properties Create, Nillable, Update **Description** Details not recorded in the provided fields
DestinationLocationId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The place the product is to be delivered.
ExpectedDeliveryDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Date the product is expected to be delivered.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the shipment.

Field Name	Details
Provider	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The company or person making the transfer.
ShipFromAddress	**Type** address **Properties** Filter, Nillable **Description** The place the product is coming from.
ShipFromCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the address where the shipment originates.
ShipFromCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country of the address where the shipment originates.
ShipFromGeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Accuracy level of the geocode for the address where the shipment originates. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipFromLatitude	**Type** double

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of the address where the shipment originates. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipFromLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Latitude to specify the precise geolocation of the address where the shipment originates. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipFromPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the address where the shipment originates.
ShipFromState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the address where the shipment originates.
ShipFromStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street of the address where the shipment originates.

Field Name	Details
ShipToAddress	**Type** address **Properties** Filter, Nillable **Description** The physical address where the shipment is delivered.
ShipToCity	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city of the address where the shipment is delivered.
ShipToCountry	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country of the address where the shipment is delivered.
ShipToGeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Accuracy level of the geocode for the address where the shipment is delivered. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipToLatitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of the address where the shipment is delivered. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.

Field Name	Details
ShipToLongitude	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Latitude to specify the precise geolocation of the address where the shipment is delivered. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
ShipToName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The shipment recipient.
ShipToPostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code of the address where the shipment is delivered.
ShipToState	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state of the address where the shipment is delivered.
ShipToStreet	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street of the address where the shipment is delivered.
ShipmentNumber	**Type** string

Field Name	Details
	Properties Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the shipment.
`SourceLocationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The field service location where the shipment originates.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the shipment. The picklist includes the following values, which can be customized: • *`Shipped`*—The product is in transit. • *`Delivered`*—The product is at the source location.
`TrackingNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Tracking number for the shipment.
`TrackingUrl`	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** URL of website used for tracking the shipment.

SignupRequest

Represents a request for a new signup. This object is available in API version 27.0 and later.

Note: You are limited to 20 signups per day. To make additional signups, log a case in the Partner Community.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field Name	Details
`AuthCode`	**Type** string **Properties** Create, Filter, Group, Sort **Description** A one-time authorization code that can be exchanged for an OAuth access token and refresh token using standard Salesforce APIs. It's used with `ConnectedAppCallbackUrl` and `ConnectedAppConsumerKey`, when the specified connected app hasn't been configured with an X.509 certificate. The system provides this read-only field once the sign-up request has been processed. This field is available in API version 29.0 and later.
`Company`	**Type** string **Properties** Create, Filter, Group, Sort **Description** The name of the company requesting the trial sign-up.
`ConnectedAppCallbackUrl`	**Type** string **Properties** Create, Filter, Group, Sort **Description** When used with `ConnectedAppConsumerKey`, specifies a connected app that's approved automatically during the sign-up creation. This field is available in API version 28.0 and later.
`ConnectedAppConsumerKey`	**Type** string **Properties** Create, Filter, Group, Sort **Description** When used with `ConnectedAppCallbackUrl`, specifies a connected app that's approved automatically during the sign-up creation. This field is available in API version 28.0 and later.

Field Name	Details
`Country`	**Type** string **Properties** Create, Filter, Group, Sort **Description** The default value is the country of the requesting org. If you want to override the default, enter the two-character, upper-case ISO-3166 country code (Alpha-2 code). You can find a full list of these codes at several sites, such as: https://www.iso.org/obp/ui/#search. The language of the trial organization is auto-determined based on the value of this field.
`CreatedOrgId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The 15–character organization ID of the trial organization created. The system provides this read-only field once the sign-up request has been processed.
`CreatedOrgInstance`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The server instance of the new trial organization, for example, “na8.” This field is available in API version 29.0 and later.
`Edition`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The Salesforce template that is used to create the trial organization. Possible values are `Partner Group`, `Professional`, `Partner Professional`, `Sales Professional`, `Professional TSO`, `Enterprise`, `Partner Enterprise`, `Service Enterprise`, `Enterprise TSO`, `Developer`, and `Partner Developer`. This field is available in API version 35.0 and later.
`ErrorCode`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The error code if the sign-up request isn't successful. The system provides this read-only field for support purposes.
FirstName	**Type** string **Properties** Create, Filter, Nillable, Sort **Description** The first name of the admin user for the trial sign-up.
LastName	**Type** string **Properties** Create, Filter, Group, Sort **Description** The last name of the admin user for the trial sign-up.
PreferredLanguage	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The language of the trial organization being created. Specify the language using a language code listed under Fully Supported Languages in Supported Languagesin Salesforce Help. For example, use *zh_CN* for simplified Chinese. The value you select overrides the language set by the locale. If you specify an invalid language, the organization defaults to the default language of the country. Likewise, if you specify a language that isn't supported by the Salesforce edition associated with your trial template, the trial organization defaults to the default language of the country. This field is available in API version 35.0 and later.
ResolvedTemplateId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Populated during the sign-up request and for internal use by Salesforce. This field is available in API version 35.0 and later.
ShouldConnectToEnvHub	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description When set to `true`, the trial organization is connected to the Environment Hub. The sign-up must take place in the hub master organization or a spoke organization. This field is available in API version 35.0 and later.
`SignupEmail`	**Type** email **Properties** Create, Filter, Group, Sort **Description** The email address of the admin user for the trial sign-up.
`SignupSource`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** A user-specified description of the trial sign-up, up to 60 characters in length. This field is available in API version 36.0 and later.
`Status`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** The status of the request. Possible values are `New`, `In Progress`, `Error`, or `Success`. The default value is `New`.
`Subdomain`	**Type** string **Properties** Create, Filter, Group, Sort **Description** The subdomain for the new trial organization when it uses a custom My Domain. The maximum length is 33 characters for Developer Edition (DE) and 40 characters for all other editions (because a suffix is appended to all DE organizations).
`SuppressSignupEmails`	**Type** boolean **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description When set to `true`, no sign-up emails are sent when the trial organization is created. This field is used for the Proxy Signup feature, and is available in API version 29.0 and later.
`TemplateId`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort **Description** The 15–character ID of the Trialforce template that is the basis for the trial sign-up. Salesforce must approve the template. If you don't specify an edition, a template ID is required.
`TrialDays`	**Type** anyType **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** The duration of the trial sign-up in days. Must be equal to or less than the trial days for the approved Trialforce template. If not provided, it defaults to the trial duration specified for the Trialforce template.
`TrialSourceOrgId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The 15–character organization ID of the Trialforce Source Organization from which the Trialforce template was created.
`Username`	**Type** string **Properties** Create, Filter, Group, Sort **Description** The username of the admin user for the trial sign-up. It must follow the address convention specified in RFC822: www.w3.org/Protocols/rfc822/#z10

Usage

The Java class uses the REST API to create a SignupRequest object. It authenticates to the Trialforce Management Organization and then posts a request to the SignupRequest object.

Here are the variables to specify in this example.

- SERVER — The name of the host server for the Trialforce Management Organization (TMO), for example, "`yourInstance`.salesforce.com."
- USERNAME — The admin username for the TMO.
- PASSWORD — The concatenation of the admin password and the security token for the TMO. To get an email with the security token, from your personal settings in Salesforce select **Reset My Security Token** and click **Reset Security Token**.
- CLIENT_ID — From Setup in Salesforce, enter `Apps` in the `Quick Find` box, select **Apps**, and click **New** under Connected Apps. Enter values for the required fields (the Callback URL is required but can initially be set to any valid URL as it's not used), grant full access for the OAuth scopes in the "Selected OAuth Scopes" selector, and click **Save**. Then copy the value of "Consumer Key" and use it for this variable.
- CLIENT_SECRET — On the same page, click **Click to reveal**. Then copy the value of "Consumer Secret" and use it for this variable.

```
public class IsvSignupDriver {
    private static final String SERVER = server_name:port;
    private static final String USERNAME = tmo_username;
    private static final String PASSWORD = tmo_passwordsecurity_token;
    private static final String CLIENT_ID = consumer_key;
    private static final String CLIENT_SECRET = consumer_secret;

    private static SignupRequestInfo signupRequest = null;

    public static String createSignupRequest (SignupRequestInfo sr)
      throws JSONException, IOException {
       JSONObject createResponse = null;
       signupRequest = sr;
       JSONObject loginResponse = login(SERVER, USERNAME, PASSWORD);
       String instanceUrl = loginResponse.getString("instance_url");
       String accessToken = loginResponse.getString("access_token");
       createResponse = create(instanceUrl, accessToken);
       System.out.println("Created SignupRequest object: " + createResponse + "\n");
       return createResponse.toString();
    }

    /* Authenticates to the TMO using the required credentials */

    private static JSONObject login(String server, String username, String password)
      throws ClientProtocolException, IOException, JSONException {
        String authEndPoint = server + "/services/oauth2/token";
        HttpClient httpclient = new DefaultHttpClient();
        try {
            HttpPost post = new HttpPost(authEndPoint);

            List<NameValuePair> params = new ArrayList<NameValuePair>();
            params.add(new BasicNameValuePair("grant_type", "password"));
            params.add(new BasicNameValuePair("client_id", CLIENT_ID));
            params.add(new BasicNameValuePair("client_secret", CLIENT_SECRET));
            params.add(new BasicNameValuePair("username", username));
            params.add(new BasicNameValuePair("password", password));
            post.setEntity(new UrlEncodedFormEntity(params, Consts.UTF_8));

            BasicResponseHandler handler = new BasicResponseHandler();
            String response = httpclient.execute(post, handler);
            return new JSONObject(response);
```

```
        } finally {
            httpclient.getConnectionManager().shutdown();
        }
    }
    /* Posts a request to the SignupRequest object */

    private static JSONObject create(String instanceUrl, String accessToken)
      throws ClientProtocolException, IOException, JSONException {
        HttpClient httpClient = new DefaultHttpClient();
        try {
            HttpPost post = new HttpPost(instanceUrl +
              "/services/data/v27.0/sobjects/SignupRequest/");
                post.setHeader("Authorization", "Bearer " + accessToken);
                post.setHeader("Content-Type", "application/json");

                JSONObject requestBody = new JSONObject();
                requestBody.put("TemplateId", signupRequest.getTemplateID());
                requestBody.put("SignupEmail", signupRequest.getEmail());
                requestBody.put("username", signupRequest.getUsername());
                requestBody.put("Country", "US");
                requestBody.put("Company", signupRequest.getCompanyName());
                requestBody.put("lastName", signupRequest.getLastName());

                StringEntity entity = new StringEntity(requestBody.toString());
                post.setEntity(entity);
                BasicResponseHandler handler = new BasicResponseHandler();
                String response = httpClient.execute(post, handler);
                return new JSONObject(response);
        } finally {
            httpClient.getConnectionManager().shutdown();
        }
    }
}
```

Error Codes

If the sign-up fails, the system generates an error code that can help you identify the cause. This table shows the most important error codes.

Error Code	Description
C-1007	Duplicate username.
C-1015	Error while establishing the new org's My Domain (subdomain) settings. Contact Salesforce support for assistance.
C-1016	Error while configuring the OAuth connected app for Proxy Signup. Verify that your connected app has a valid consumer key, callback URL, and unexpired certificate (if applicable).
C-1018	Invalid subdomain value provided during signup.
C-1019	Subdomain in use. Choose a new subdomain value.
C-1020	Template not found. Either the template doesn't exist (or it was deleted).

Error Code	Description
`C-1033`	Template is the wrong version.
`C-9999`	Generic "fatal error." Contact Salesforce support for assistance.
`S-1006`	Invalid email address (not in a proper email address format).
`S-1014`	Invalid or missing parameters during signup process. Possible solutions include: • Be sure to indicate a valid Callback URL. • If indicated, be sure to provide both a ConsumerKey and Callback URL. For scratch orgs, be sure that you indicate only supported features in scratch org definition file.
`S-1017`	Namespace isn't registered with a release org associated with the Dev Hub.
`S-1018`	Invalid My Domain (subdomain) name. Select a name that doesn't: • Contain double hyphens • End in a hyphen • Include restricted words • Exceed 40 characters (33 for Developer Edition)
`S-1019`	My Domain (subdomain) already in use.
`S-1026`	Invalid namespace. Namespaces must begin with a letter, must not contain consecutive underscores, cannot be a restricted or reserved namespace, and must be 15 characters or fewer.
`S-2006`	Invalid country.
`T-0001`	Template ID not valid (not in the format 0TTxxxxxxxxxxxx).
`T-0002`	Template not found. Either the template doesn't exist (or it was deleted).
`T-0003`	Template not approved for use by Salesforce.

Site

Represents a public website that is integrated with an org. This object is available in API version 16.0 and later.

To access this object, Salesforce Sites, Sites, or Site.com must be enabled for your organization.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Customer Portal users can't access this object.
- To view this object, you must have the "View Setup and Configuration" permission.

Fields

Field	Description
AdminId	**Type** reference **Properties** Filter, Group, Sort **Description** The site administrator designated as the contact for the site. This user receives site-related communications from site visitors and from Salesforce.
AnalyticsTrackingCode	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The tracking code associated with your site. This code can be used by services like Google Analytics to track page request data for your site.
ClickjackProtectionLevel	**Type** picklist **Properties** Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Sets the clickjack protection level. The options are: • `AllowAllFraming`—Allow framing by any page (no protection) • `SameOriginOnly`—Allow framing by the same origin only (recommended) • `NoFraming`—Don't allow framing by any page (most protection) This field is available in API version 30.0 and later.
DailyBandwidthLimit	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The rolling 24-hour daily bandwidth limit for the sites in your organization.
DailyBandwidthUsed	**Type** double **Properties** Filter, Group, Nillable, Sort

Field	Description
	Description The current rolling 24-hour daily bandwidth usage for the sites in your organization.
`DailyRequestTimeLimit`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The rolling 24-hour daily service request time limit for the sites in your organization. Service request time is calculated as the total server time in minutes required to generate pages for the site.
`DailyRequestTimeUsed`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The current rolling 24-hour daily service request time for the sites in your organization.
`Description`	**Type** textarea **Properties** Filter, Nillable, Sort **Description** An optional description of the site.
`GuestUserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The site or Salesforce Communities specific user that anonymous, unauthenticated users run as when interacting with the site.
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the site as it appears in the user interface.

Field	Description
MonthlyPageViewsEntitlement	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of page views allowed for the current calendar month for the sites in your organization.
Name	**Type** string **Properties** Filter, Group, Sort **Description** The name used when referencing the site in the API.
OptionsAllowGuestSupportApi	**Type** boolean **Properties** Filter **Description** The option to enable unauthenticated users to access the Support API.
OptionsAllowHomePage	**Type** boolean **Properties** Filter **Description** The option to enable the standard page associated with the Home tab (`/home/home.jsp`).
OptionsAllowStandardAnswersPages	**Type** boolean **Properties** Filter **Description** The option to enable standard pages associated with an answers community. If you want to use default Answers pages (such as AnswersHome), enable these pages.
OptionsAllowStandardIdeasPages	**Type** boolean

Field	Description
	Properties Filter **Description** The option to enable standard pages associated with an Ideas community. If you want to use default Ideas pages (such as IdeasHome), enable these pages.
`OptionsAllowStandardLookups`	**Type** boolean **Properties** Filter **Description** The option to enable the standard lookup pages. These are the popup windows associated with lookup fields on Visualforce pages.
`OptionsAllowStandardPortalPages`	**Type** boolean **Properties** Filter **Description** The option to enable authenticated users to access the standard Salesforce pages.
`OptionsAllowStandardSearch`	**Type** boolean **Properties** Filter **Description** The option to enable the standard search pages. To allow public users to perform standard searches, enable these pages.
`OptionsBrowserXssProtection`	**Type** boolean **Properties** Filter **Description** The option to enable the browser's cross-site scripting protection.
`OptionsContentSniffingProtection`	**Type** boolean **Properties** Filter **Description** The option to enable content-sniffing protection.

Field	Description
`OptionsCspUpgradeInsecureRequests`	**Type** boolean **Properties** Filter **Description** The option to upgrade all requests to HTTPS (Content Security Policy : Upgrade Insecure Requests).
`OptionsEnableFeeds`	**Type** boolean **Properties** Filter **Description** The option that displays the Syndication Feeds related list, where you can create and manage syndication feeds for users on your public sites. This field is visible only if you have the feature enabled for your organization.
`OptionsReferrerPolicyOriginWhenCrossOrigin`	**Type** boolean **Properties** Filter **Description** The option to enable referrer policy (origin-when-cross-origin).
`OptionsRequireHttps`	**Type** boolean **Properties** Filter **Description** When true, the site requires secure connections. When false, the site operates normally via insecure connections instead of redirecting to a secure connection.
`SiteType`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Identifies whether the site is a Visualforce (Salesforce Sites) or a Site.com site. `SiteType` is available in API version 21.0 and later. In API version 26.0 and later, if Salesforce communities is enabled for your organization, the site could also be a Network Visualforce or Network Site.com site.

Field	Description
Status	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status for the site. For example, `Active` or `In Maintenance`.
Subdomain	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The Salesforce domain that you registered for your site. For example, if your domain is `mycompany.force.com`, then `mycompany` is the subdomain.
TopLevelDomain	**Type** url **Properties** Filter, Nillable **Description** The optional branded custom Web address that you registered with a third-party domain name registrar. The custom Web address acts as an alias to your Salesforce address. Beginning with API version 21.0, `TopLevelDomain` is no longer available. Instead, use the Domain and DomainSite objects.
UrlPathPrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The unique Salesforce URL that the public uses to access this site.

Usage

Use this read-only object to query or retrieve information on your Salesforce site.

SiteDomain

SiteDomain is a read-only object, and a one-to-many replacement for the Site.TopLevelDomain field. This object is available in API version 21.0, and has been deprecated as of API version 26.0. In API version 26.0 and later, use the Domain and DomainSite objects instead.

To access this object, Salesforce Sites, Sites, or Site.com must be enabled for your organization.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

- Customer Portal users can't access this object.
- To view this object, you must have the "View Setup and Configuration" permission.

Fields

Field	Description
`Domain`	**Type** url **Properties** Filter, Sort **Description** The branded custom Web address within the global namespace identified by this domain's type. In the Domain Name System (DNS) global namespace, this field is the custom Web address that you registered with a third-party domain name registrar. The custom Web address can be used to access the site of this domain.
`SiteId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the associated Site.
`DomainType`	**Type** picklist **Properties** Filter, Group, Sort, Nillable **Description** The global namespace that this custom Web address belongs to. This value is set to DNS for custom Web addresses in the global DNS. This field is available in version 24.0 of the API.

Usage

Use this read-only object to query the custom Web addresses that are associated with each website in your organization.

SiteHistory

Represents the history of changes to the values in the fields of a site. This object is generally available in API version 18.0 and later.

To access this object, Salesforce Sites must be enabled for your organization.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- Customer Portal users can't access this object.
- To view this object, you must have the "View Setup and Configuration" permission.

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The last value of the field before it was changed.

Field	Details
SiteId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the associated Site.

Skill

Represents a category or group that Live Agent users or field service resources can be assigned to. This object is available in API version 24.0 and later.

Note: For information about Work.com skills on a user's profile, see the ProfileSkill topic.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the skill.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization.

Field Name	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the skill.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed the skill.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update, idLookup **Description** The name of the skill.

Usage

Live Agent

Use this object to assign Live Agent users to groups based on their abilities. The skills associated with a LiveChatButton determine which agents receive chat requests that come in through that button.

Field Service Lightning

Use this object to track certifications and areas of expertise in your workforce. After you create a skill, you can:

- Assign it to a service resource via the Skills related list on the resource's detail page. When you assign a skill to a service resource, you can specify their skill level and the duration of the skill.
- Add it as a required skill via the Skill Requirements related list on any work type, work order, or work order line item. When you add a required skill to a work record, you can specify the skill level.

SkillProfile

Represents a join between Skill and Profile. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`ProfileId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the profile.
`SkillId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the skill.

Usage

Use this object to assign specific skills to specific profiles.

SkillRequirement

Represents a skill that is required to complete a particular task. Skill requirements can be added to work types, work orders, and work order line items in Field Service. This object is available in API version 38.0 and later. You also can add skill requirements to work items in Omni-Channel skills-based routing using API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
RelatedRecordId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The record that the skill is required for. The related record can be a work order, work order line item, work type, or pending service routing record.
SkillId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The skill that is required.
SkillLevel	**Type** double **Properties** Create, Defaulted on create, Filter, Nillable, Sort, Update **Description** The level of the skill required. Skill levels can range from zero to 99.99. Depending on your business needs, you may want the skill level to reflect years of experience, certification levels, or license classes.

Field Name	Details
`SkillNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** An auto-generated number identifying the skill requirement.

Usage

Skill requirements help dispatchers assign work orders to service resources with the proper expertise. You can still assign a work order, work order line item, or related service appointment to a service resource that does *not* possess the specified skills, so skill requirements serve more as a suggestion than a rule.

Note: If you're using the Field Service Lightning managed package, use matching rules to ensure that appointments are only assigned to service resources who possess the skills listed on the parent work order.

If many of your work orders require the same skills, add skill requirements to work types to save time and keep your processes consistent. When you add a skill requirement to a work type, work orders and work order line items that use that type automatically inherit the skill requirement. For example, if all annual maintenance visits for your Classic Refrigerator product require a Refrigerator Maintenance skill level of at least 50, add that skill requirement to the Annual Maintenance Visit work type. When you create a work order for a customer's annual fridge maintenance, applying that work type adds the skill requirement as well.

SkillRequirementFeed

Represents a single feed item on a skill requirement record detail page. This object is available in API version 38.0 and later.

A skill requirement feed shows changes to tracked fields on a skill requirement record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to skill requirements in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.

Field Name	Details
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the skill requirement record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a content post. This field is null for all posts, except ContentPost.
Title	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the Type is LinkPost, the Link URL is the URL, and this field is the link name.
Type	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

SkillRequirementHistory

Represents the history of changes made to tracked fields on a skill requirement. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`SkillRequirementId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the skill requirement being tracked. The history is displayed on the detail page for this record.

SkillUser

Represents a join between Skill and User. This object is available in API version 24.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`SkillId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the skill.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the user.

Usage

Use this object to assign specific skills to specific users.

SlaProcess

Represents an entitlement process associated with an Entitlement. This object is available in API version 19.0 and later.

An entitlement process is a timeline that includes all the steps (MilestoneType records) that your support team must complete to resolve cases. Each process includes the logic necessary to determine how to enforce the correct service level for your customers.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `search()`, `describeLayout()`

Special Access Rules

Customer Portal users can't access this object.

Important: All users, even those without the "View Setup and Configuration" user permission, can view entitlement processes via the API.

Fields

Field	Details
`BusinessHoursId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Required. ID of the BusinessHours associated with the entitlement. Must be a valid business hours ID.
`Description`	**Type** textarea **Properties** Filter, Nillable **Description** A description of the entitlement process.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the entitlement process is active (`true`) or not (`false`).
`IsVersionDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the entitlement process is the default version (`true`) or not (`false`).

Field	Details
	This field is available in API version 28.0 and later in organizations that have entitlement versioning enabled.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the SlaProcess was last viewed.
`Name`	**Type** string **Properties** Filter, idLookup **Description** The name of the entitlement process.
`NameNorm`	**Type** string **Properties** Filter, Group, Sort **Description** The read-only value for the unique name of the entitlement process or the entitlement process version. If entitlement versioning is enabled, this value is automatically generated for each version of an entitlement process in this form: *`process name`*+_v + *`x`*, where *`x`* is the version number (for example, “gold_support_v2”). If entitlement versioning isn’t enabled, this value is the same as `Name`. This field is available in API version 28.0 and later.
`SObjectType`	**Type** picklist **Properties** Restricted picklist, Filter, Group, Sort **Description** The type of records that the entitlement process can run on. Its values are: • *`Case`* • *`Work Order`* An entitlement process runs only on records that match its type. For example, a Case entitlement process that’s applied to an entitlement runs only on cases associated with the entitlement, not on work orders. As a best practice, therefore, manage customers’ work orders and cases on separate entitlements.

Field	Details
	The field label in the user interface is Entitlement Process Type.
`StartDateField`	**Type** picklist **Properties** Filter, Restricted picklist **Description** The criteria for cases to enter the entitlement process. Cases can enter the process based on: • The creation date on a case • A custom date/time field on a case
`VersionMaster`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Identifies the sequence of versions to which this entitlement process belongs. This field's contents can be any value as long as it is identical among all versions of the entitlement process. This field is available in API version 28.0 and later in organizations that have entitlement versioning enabled.
`VersionNotes`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** The description of the entitlement process version. This field is available in API version 28.0 and later in organizations that have entitlement versioning enabled.
`VersionNumber`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The version number of the entitlement process. Must be 1 or greater. This field is available in API version 28.0 and later in organizations that have entitlement versioning enabled.

Usage

Use this object to query entitlement processes on entitlements.

SEE ALSO:

Entitlement

MilestoneType

CaseMilestone

Solution

Represents a detailed description of a customer issue and the resolution of that issue.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`IsHtml`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the Solution is an HTML solution (`true`) or not (`false`).
`IsOutOfDate`	**Type** boolean **Properties** Defaulted on create, Filter

Field	Details
	Description Read-only field that indicates whether a solution master has been updated since the translated version was created (`true`) or not (`false`). Note that this field does not appear in the page layout of master solutions.
`IsPublished`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the Solution has been published (`true`) or not (`false`). A solution's published state does not affect how it can be used, or whether you can query, update, or delete it. Label is **Public**. Note: Prior to Spring '14, the label was **Visible in Self-Service Portal**.
`IsPublishedInPublicKb`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the Solution has been published as a Public Solution (`true`) or not (`false`). Label is **Visible in Public Knowledge Base**. This field only applies to solutions, not articles in the public knowledge base.
`IsReviewed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the Solution has been reviewed (`true`) or not (`false`). This flag can only be set indirectly via the `Status` picklist. Each predefined `Status` value implies an `IsReviewed` value. Label is **Reviewed**.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.

Field	Details
LastViewedDate	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (LastReferencedDate) and not viewed.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the User who owns the Solution.
ParentId	**Type** reference **Properties** Create, Defaulted on create, Filter, Update **Description** ID of the master solution, if this is the translation of a master solution.
RecordTypeId	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** ID of the RecordType to which the Solution is associated.
SolutionLanguage	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** The language that the solution is written in, such as French or Chinese (Traditional).
SolutionName	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Required. If a client application creates a new Solution and a value for this field is unspecified, a hyphen (-), the default value for this field, is used. Limit: 255 characters. Label is **Title**.
`SolutionNote`	**Type** textarea **Properties** Create, Nillable, Update **Description** The details of the Solution record. Limit: 32,000 characters. Label is **Solution Details**. Note: If you have HTML Solutions enabled, any HTML tags used in this field are verified before the object is created or updated. If invalid HTML is entered, an error is thrown. Any JavaScript used in this field is removed before the object is created or updated.
`SolutionNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An identifying number that is assigned automatically when a solution is created. It can't be set directly, and it can't be modified.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Required. The status of the solution. Directly controls the `IsReviewed` value. To obtain the status values in the picklist, a client application can query the SolutionStatus.
`TimesUsed`	**Type** int **Properties** Filter, Group, Sort **Description** Number of times this solution has been used. Label is **Num Related Case**.

Usage

Use this object to manage your organization's solutions. Client applications can create, update, delete, and query Attachment records associated with a solution.

SEE ALSO:

CategoryData

CategoryNode

SolutionFeed

Represents a single feed item in the feed displayed on the detail page for a solution record. This object is available in API version 18.0 and later.

A solution feed shows recent changes to a solution record for any fields that are tracked in feeds, and comments and posts about the record. It is a useful way to stay up-to-date with changes to solutions.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Solution object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the SolutionFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.

Field Name	Details
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only.

Field Name	Details
	The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if `Type` is `ContentPost`. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`FeedPostId`	**Type** reference **Properties** Filter. Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. Use FeedItem instead. The ID of the associated FeedPost. A FeedPost represents the following types of changes in a SolutionFeed: status updates, changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description The ID of the user who added this object to the feed. For example, if a client application migrates multiple posts and comments from another application into the feed, `InsertedById` is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • • • • <img> The <img> tag is accessible only via the API and must reference files in Salesforce similar to this example: <img src="sfdc://069B0000000omjh"></img> Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** This field is a standard system field.

Field Name	Details
	When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on the feed item, then `LastModifiedDate` becomes the `CreatedDate` for the FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of the `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.

Field Name	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the solution record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion article associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as a SolutionFeed object of `Type` `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the SolutionFeed. When the `Type` is `LinkPost`, the `LinkUrl` is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of SolutionFeed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence.

Field Name	Details
	• `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case.

Field Name	Details
	• `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

Usage

Use this object to track changes for a solution record.

SEE ALSO:

Solution

EntitySubscription

NewsFeed

UserProfileFeed

SolutionHistory

Represents the history of changes to the values in the fields of a solution.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed. Label is **Custom Field Definition ID**.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed. Limited to 255 characters.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed. Limited to 255 characters.
`SolutionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Solution. Label is **Solution ID**.

Usage

Use this read-only object to identify changes to a solution.

This object respects field-level security on the parent object.

SEE ALSO:

SolutionStatus

SolutionStatus

Represents the status of a Solution, such as Draft, Reviewed, and so on.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, NillableSort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`IsDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this is the default solution status value (`true`) or not (`false`) in the picklist. Only one value can be the default value.
`IsReviewed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this solution status value represents a reviewed Solution (`true`) or not (`false`). Multiple solution status values can represent a reviewed Solution.

Field	Details
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this solution status value. This display value is the internal label that does not get translated.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the solution status picklist. These numbers are not guaranteed to be sequential, as some previous solution status values might have been deleted.

Usage

This object represents a value in the solution status picklist. The solution status picklist provides additional information about the status of a Solution, such as whether a given status value represents a reviewed or unreviewed solution. Your client application can query this object to retrieve the set of values in the solution status picklist, and then use that information while processing Solution objects to determine more information about a given solution. For example, the application could test whether a given case has been reviewed or not based on its `Status` value and the value of the `IsReviewed` property in the associated SolutionStatus record.

SEE ALSO:

Solution

SolutionTag

Associates a word or short phrase with a Solution.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.
`Name`	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
`TagDefinitionId`	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
`Type`	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

SolutionTag stores the relationship between its parent TagDefinition and the Solution being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

SOSDeployment

Represents the general settings for deploying SOS video call capability in a native mobile application. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the deployment.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description The name of the deployment.
OptionsIsBackwardFacingCameraEnabled	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether customers can use the backwards-facing camera on their mobile devices to talk to SOS agents.
OptionsIsEnabled	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether the deployment is enabled for customers to request new SOS video calls.
OptionsIsVoiceOnlyMode	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether video functionality is disabled for customers, making it so customers can only talk to SOS agents using only audio.
QueueId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the queue that's associated with the SOS deployment.

Usage

Use this object to query and manage SOS deployments.

SOSSession

This object is automatically created for each SOS session and stores information about the session. This object is available in API versions 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`AppVersion`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The version of the customer's mobile application in which SOS is implemented.
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the case that's associated with the SOS session.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the contact that's associated with the SOS session.
`DeploymentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the SOS deployment that the SOS session originated from.
`EndTime`	**Type** dateTime

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The time that the SOS session ended.
`IpAddress`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** To protect the customer's privacy, this field is now blank.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the session record was last referenced by a user.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the session record was last viewed.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** The name of the session.
`OpentokSession`	**Type** encryptedstring **Properties** Create, Nillable, Update **Description** The ID of the OpenTok session that's associated with the SOS video call.
`OwnerId`	**Type** reference

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the session record's owner.
`SessionDuration`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The amount of time that the SOS session lasted.
`SessionRecordingUrl`	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL where the SOS session recording is stored.
`SosVersion`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The version of SOS that was used in your organization's mobile application when this session occurred.
`StartTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time that the SOS session began.
`SystemInfo`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Information about the customer's mobile device from which the SOS call originated, such as the device's operating system.

Field Name	Details
`WaitDuration`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The amount of time the customer waited before an agent accepted the SOS session and the call began.

Usage

Use this object to query and manage SOS session records.

SOSSessionActivity

Captures information about specific events that occur during an SOS video call, such as when an SOS call begins or ends. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`ActivityTime`	**Type** dateTime **Properties** Create, Filter, Sort **Description** The time at which the activity occurred.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, idLookup, Filter, Sort **Description** The name of the activity.
`SessionId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the SOS session that's associated with the event.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The kind of activity that occurred.

Usage

Use this object to query and manage SOS session activities.

SOSSessionHistory

This object is automatically created for each SOS session and stores information about changes made to the session. This object is available in API versions 34.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed in a session record.
`NewValue`	**Type** anyType **Properties** Nillable, Sort

Field Name	Details
	Description The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The original value of the field that was changed.
`SOSSessionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the session record that was changed.

Usage

Use this object to identify changes to SOS session records.

SOSSessionOwnerSharingRule

Represents the rules for sharing an SOS session record with users other than the record owner. This object is available in API version 34.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Determines the level of access users have to session records. Specifies whether or not users can read, edit, or transfer session records. Corresponds to the `Default Access` column in the UI.
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum length is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to `Rule Name` in the UI. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID that represents the source group. Session records that are owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update

Field Name	Details
	Description Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to Label in the UI.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID that represents the User or Group that you are granting access to.

Usage

Use this object to manage the sharing rules for SOS session records.

SEE ALSO:

Metadata API Developer Guide: SharingRules

SOSSessionShare

Represents a sharing entry on an SOS session. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the SOSSession. The possible values are: • `Read`

Field Name	Details
	• `Edit` • `All` (This value is not valid for `create()` or `update()` calls.) This field must be set to an access level that is higher than the organization's default access level for live chat transcripts.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values can include: • `Manual`—The user or group has access because a user with "All" access manually shared the SOSSession with them. • `Owner`—The user is the owner of the SOSSession or is in a role above the SOSSession owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the SOSSession.

Usage

This object lets you determine which users and groups can view and edit SOSSession records that are owned by other users.

If you attempt to create a new record that matches an existing record, the `create()` call updates any modified fields and returns the existing record.

Stamp

Represents a User Specialty. This object is available in API version 39.0 and later.

Create User Specialty labels. Specialties can be any term you want, up to 50 characters, including spaces and underscores.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Description
Description	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Use this field to describe what the user specialty means and how it applies to a user. You have a 255 character maximum including spaces and underscores.
MasterLabel	**Type** string **Properties** Filter, Group, Sort **Description** The User Specialty label that appears under the user's profile picture. You can create any label you want as long as it's within the 50 character maximum, including spaces and underscores.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** The id of the org or network.

StampAssignment

Represents assignment of a User Specialty to a user. This object is available in API version 39.0 and later.

Assign a User Specialty to users. This label appears beneath their profile photo.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
StampId	**Type** reference **Properties** Filter, Group, Sort **Description** The unique id generated when creating a user specialty.
SubjectId	**Type** reference **Properties** Filter, Group, Sort **Description** The id for the user getting the User Specialty label.

StaticResource

Represents a static resource that can be used in Visualforce markup.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field	Details
`Body`	**Type** base64 **Properties** Create, Nillable, Update **Description** Required. Encoded file data.

Field	Details
`BodyLength`	**Type** int **Properties** Filter, Group, Sort **Description** Size of the file (in bytes).
`CacheControl`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The sharing policy for the static resource when cached. The cache control can have one of the following values: • *`Private`* specifies that the static resource data cached on the Salesforce server shouldn't be shared with other users. The static resource is only stored in cache for the current user's session. • *`Public`* specifies that the static resource data cached on the Salesforce server be shared with other users in your organization for faster load times.
`ContentType`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Type of content. Label is **Mime Type**. Limit: 120 characters.
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Text description of the static resource. Limit: 255 characters.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the static resource.

Field	Details
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.

Usage

Use static resources to upload content that you can reference in Visualforce markup, including archives (such as .zip and .jar files), images, stylesheets, JavaScript, and other files. Using a static resource is preferable to uploading a file to the Documents tab because:

- You can package a collection of related files into a directory hierarchy and upload that hierarchy as a .zip or .jar archive.
- You can reference a static resource in page markup by name using the `$Resource` global variable instead of hard-coding document IDs.

Encoded Data

The API sends and receives the binary file data encoded as a base64 data type. Prior to creating a record, clients must encode the binary file data as base64. Upon receiving an API response, clients must decode the base64 data to binary (this conversion is usually handled for you by the SOAP client).

Maximum Static Resource Size

You can create or update static resources to a maximum size of 5 MB. An organization can have up to 250 MB of static resources, total.

SEE ALSO:

- ApexComponent
- ApexPage
- *Developer Guide*: Visualforce Developer Guide

StreamingChannel

Represents a channel that is the basis for notifying listeners of generic Streaming API events. Available from API version 29.0 or later.

Supported Calls

REST: DELETE, GET, PATCH, POST (query requests are specified in the URI)

SOAP: `create()`, `delete()`, `describe()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`

Special Access Rules

- This object is available only if Streaming API is enabled for your organization.
- Only users with “Create” permission can create this record.
- You can create a permission set and grant users read and create access to all streaming channels in the org. This access isn’t for a specific channel, like with user sharing.
- You can apply user sharing to StreamingChannel. You can restrict access to receiving or sending events on a channel by sharing channels with specific users or groups. Channels shared with public read-only or read-write access send events only to clients subscribed to the channel that also are using a user session associated with the set of shared users or groups. Only users with read-write access to a shared channel can generate events on the channel, or modify the actual StreamingChannel record.

Dynamic Streaming Channel

Generic Streaming also supports dynamic streaming channel creation, which creates a StreamingChannel when a client first subscribes to the channel. To enable dynamic streaming channels in your org, from Setup, enter *`User Interface`* in the `Quick Find` box, then select **User Interface** and enable **Enable Dynamic Streaming Channel Creation**.

Fields

Field	Field Type	Description
`Description`	string	Description of the StreamingChannel. Limit: 255 characters. **Field Properties:** Create, Filter, Group, Nillable, Sort, Update **Label:** Description

Field	Field Type	Description
ID	ID	System field: Globally unique string that identifies a StreamingChannel record. **Field Properties:** Default on create, Filter, Group, idLookup, Sort
IsDeleted	boolean	System field: Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`). **Field Properties:** Default on create, Filter, Group, Sort
IsDynamic	boolean	`true` if the channel gets dynamically created on subscribe if necessary, `false` otherwise. **Field Properties:** Default on create, Filter, Group, Sort
LastReferencedDate	date	The timestamp for when the current user last viewed a record related to this record. **Field Properties:** Filter, Sort
LastViewedDate	date	The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed. **Field Properties:** Filter, Sort
Name	string	Required. Descriptive name of the StreamingChannel. Limit: 80 characters, alphanumeric and "_", "/" characters only. Must start with "/u/". This value identifies the channel and must be unique. **Field Properties:** Create, Filter, Group, idLookup, Sort, Update **Label:** Streaming Channel Name
OwnerId	reference	The ID of the owner of the StreamingChannel. **Field Properties:** Create, Default on create, Filter, Group, Sort, Update **Label:** Owner Name

Survey

Represents a survey.

Supported Calls

`describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`

Fields

Field Name	Details
ActiveVersionID	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the survey version currently activated.
Description	**Type** string **Properties** Nillable **Description** The description of the survey. This field isn't visible in the UI.
DeveloperName	**Type** string **Properties** Filter, Group, Sort **Description** The survey's unique API name.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the current user last viewed a record related to the survey.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed the survey.
LatestVersionId	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description The ID of the most recent version of this survey.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** The name of the survey that appears in the UI.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user who created the survey.
`TotalVersionsCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of versions of the survey.

SurveyEmailBranding

Represents the configuration settings for invitation emails sent to survey participants for a particular survey.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Create, Update

Field Name	Details
	Description The body text of the invitation email.
DeveloperName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique API name of the email branding configuration.
FooterImageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the content asset that appears in the footer of the invitation email.
FromEmailAddress	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The email address that appears in the "From" field when the invitation is sent to participants.
HeaderImageId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the content asset that appears in the header of the invitation email.
Language	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the emails. Available languages include: • Chinese (Simplified) • Chinese (Traditional) • Danish

Field Name	Details
	• Dutch • English • Finnish • French • German • Italian • Japanese • Korean • Norwegian • Portuguese (Brazilian) • Russian • Spanish • Spanish (Mexican) • Swedish • Thai
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The label for these email configuration settings.
`Subject`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The subject of the invitation email.

SurveyFeed

Represents a single item in the feed displayed on the detail page for the Survey object. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the feed item. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, you comment on a post that already has one published comment, and your comment triggers moderation. Now the post has two comments, but the count shows only one. In a moderated feed, your comment isn't counted until an admin or user with the CanApproveFeedPostAndComment or ModifyAllData permission approves it. This behavior has implications for how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until the end of comments is returned.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text.

Field	Details
	Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available if Communities is enabled for your org.

Field	Details
	`NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the object type to which the FeedItem object is related. For example, set this field to a `UserId` to post to someone's profile feed, or an `AccountId` to post to a specific account.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with the `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create FeedItem types directly from the API.

Field	Details
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** Specifies whether this feed item is available to all users or only internal users. This field is available if Communities is enabled for your org. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available only to internal users. `Visibility` has the following exceptions. • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • `Visibility` can be updated on record posts. • The `Update` property is supported only for feed items posted on records.

SurveyInvitation

Represents the invitation sent to a participant to complete the survey.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CommunityId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the community that you want to send the survey to.
`EmailBrandingId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort **Description** The ID of the survey email branding object that's associated with this invitation.
`InvitationLink`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The URL to the survey that is sent to particpants.
`InviteExpiryDateTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date and time that the survey invitation expires.
`IsDefault`	**Type** boolean **Properties** Create, Defaulted on create, Filter , Group, Sort, Update **Description** Determines whether this is the default survey invitation to use when the survey is sent to participants.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this survey invitation.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp for when the current user last viewed this survey invitation.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the survey invitation that appears in the UI.
OptionsAllowGuestUserResponse	**Type** boolean **Properties** Create, Filter **Description** Determines whether participants who don't have a Salesforce account can complete the survey.
OptionsAllowParticipantAccessTheirResponse	**Type** boolean **Properties** Create, Filter **Description** Determines whether participants can access a copy of their responses after they complete the survey.
OptionsCollectAnonymousResponse	**Type** boolean **Properties** Create, Filter **Description** Determines whether participants can complete the survey anonymously.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who created the survey invitation.
ParticipantId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort **Description** The user ID of the participant if the participant is a Salesforce user or contact.
`SurveyId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the survey that’s sent in the invitation.

SurveyInvitationShare

Represents a sharing entry on a SurveyInvitation object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`,`query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user’s or group’s level of access to the survey invitation. The possible values are: • Read Only • Read/Write • Owner
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the SurveyInvitation object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason that this sharing entry exists. Possible values include: • Owner • Manual Sharing • Sharing Rule • Account Sharing • Associated record owner or sharing • Person Contact • Sales Team • Territory Assignment Rule • Territory Manual • Territory Sharing Rule • Territory assignment for forecasting and reporting
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the SurveyInvitation object. This field can't be updated.

SurveyPage

Represents a page, such as the title page or a question page, in a survey.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique API name of this SurveyPage object.
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The name of the survey page that appears in the UI.
`SurveyVersionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The version of the survey that the page belongs to.

SurveyQuestion

Represents a question in a survey.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort

Field	Details
	Description The API name of the SurveyQuestion object. The API name must be unique within a particular version of the survey.
Name	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** A label for this question in a survey that appears in the UI.
IsDeprecated	**Type** boolean **Properties** Defaulted on create, Filter , Group, Sort **Description** Indicates whether a question was deleted from the survey.
QuestionType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of question.
SurveyPageId	**Type** reference **Properties** Filter, Group, Sort **Description** Lookup to the SurveyPage object that contains the question.
SurveyVersionId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyVersion object that the question belongs to.

SurveyQuestionChoice

Represents an answer choice that a participant can select for a survey question.

Supported Calls

`describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`DeveloperName`	**Type** string **Properties** Filter, Group, Sort **Description** The unique API name of the SurveyQuestionChoice object.
`IsDeprecated`	**Type** boolean **Properties** Defaulted on create, Filter , Group, Sort **Description** Indicates whether a question choice was deleted from the survey.
`Name`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** A label for the question choice that appears in the UI.
`QuestionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyQuestion object that this choice belongs to.
`SurveyVersionId`	**Type** reference

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The version of the survey that this question choice belongs to.

SurveyQuestionResponse

Represents a participant's answer to a specific question.

Supported Calls

`describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`Datatype`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The data type of the question response. Possible values are: • String • Number • Date • Int • Double
`InvitationId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyInvitation object that was sent to the survey participant.
`QuestionChoiceId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description The ID of SurveyQuestionChoice object that the participant chose in response to a question.
`QuestionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyQuestion object that the participant provided an answer for.
`ResponseId`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The ID of the SurveyResponse object that is the parent of this SurveyQuestionResponse object.
`ResponseShortText`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** For a text question type, the text that a participant entered as a response to the question. For other question types, this field stores the value of the QuestionChoice object that the participant selected.
`SurveyVersionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyVersion object that the response belongs to.

SurveyResponse

Represents information about a participant's response to a survey, such as the status of the response, the participant's location, and when the survey was completed.

Supported Calls

`describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`

Fields

Field Name	Details
`CompletionDateTime`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the participant completed the survey.
`InterviewGuid`	**Type** string **Properties** Filter, Group, Nillable **Description** An automatically-generated, unique ID for a saved survey response.
`InvitationId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the SurveyInvitation object that's associated with this response.
`IpAddress`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The IP address of the device the participant used to take the survey.
`Language`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The language that the participant used to complete the survey.

Field Name	Details
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that another Salesforce object last referenced this SurveyResponse object.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that someone last viewed this SurveyResponse object.
Latitude	**Type** double **Properties** Filter, Nillable, Sort **Description** The latitude of the participant's location.
Location	**Type** location **Properties** Nillable **Description** The latitude and longitude coordinates of the participant's location.
Longitude	**Type** double **Properties** Filter, Nillable, Sort **Description** The longitude of the participant's location.
Name	**Type** string **Properties** Filter, Group, Sort

Field Name	Details
	Description The name of the participant.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of the survey. Possible values include: • NotStarted • Started • Paused • Completed
`SubmitterId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the Salesforce user or contact who completed the survey.
`SurveyId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the survey that the participant completed.
`SurveyVersionId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the version of the survey that the participant completed.

SurveyShare

Represents a sharing entry on a Survey object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the survey. The possible values are: • Read Only • Read/Write • Owner
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the Survey object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason that this sharing entry exists. Possible values include: • Owner • Manual Sharing • Sharing Rule • Account Sharing • Associated record owner or sharing • Person Contact • Sales Team • Territory Assignment Rule • Territory Manual • Territory Sharing Rule • Territory assignment for forecasting and reporting

Field Name	Details
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the Survey object. This field can’t be updated.

SurveyVersion

Represents a version of a survey.

Supported Calls

describeLayout(), describeSObjects(), getDeleted(), getUpdated(), query(), retrieve(), search()

Fields

Field Name	Details
Description	**Type** textarea **Properties** Nillable **Description** The description of this survey version.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time that the current user last viewed a record related to this survey.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this survey.

Field Name	Details
Name	**Type** string **Properties** Filter, Group, Sort **Description** The name of the survey that appears in the UI.
SurveyId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the Survey object associated with this survey version.
SurveyStatus	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The status of the survey. Possible values include: • Active • Draft • Obsolete • InvalidDraft
VersionNumber	**Type** int **Properties** Filter, Group, Sort **Description** The version number of the survey.

TabDefinition

Represents a custom tab. Returns only the tabs that the current user has access to. This object is available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `search()`

Fields

Field Name	Details
`DurableId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Unique identifier for the tab. Always retrieve this value before using it, because the value isn't guaranteed to stay the same from one release to the next. Simplify queries by using this field instead of making multiple queries.
`IsAvailableInAloha`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the tab is available in Salesforce Classic.
`IsAvailableInLightning`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the tab is available in Lightning Experience.
`IsCustom`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the tab is a custom tab created by admins in the org.
`Label`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The localized label corresponding to the `MasterLabel` field in the Tooling API object.

Field Name	Details
Name	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The developer name of the tab.
SobjectName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name of the sObject corresponding to the tab.
Url	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The URL that can be used to launch this tab.

TagDefinition

Defines the attributes of child Tag objects.

Supported Calls

delete(), describeSObjects(), query(), retrieve(), search(), undelete(), update()

Fields

Field	Detail
Name	**Type** string **Properties** Filter, Nillable, Update **Description** Identifies the tag word or phrase.

Field	Detail
`Type`	**Type** picklist **Properties** Filter, Nillable, Restricted picklist **Description** Defines the visibility of a tag. Possible value are: • **Public**: The tag can be viewed and manipulated between all users in an organization. • **Personal**: The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

When you create a tag for a record, an association is created with to a corresponding TagDefinition:

- If the value in the tag's `Name` field is new, a new TagDefinition record is automatically created and becomes the parent of the tag.
- If the value in the tag's `Name` field already exists in a TagDefinition, that TagDefinition automatically becomes the parent of the tag.

Each TagDefinition record has a one-to-many relationship with its child tag records.

The following standard objects represent tags for records:

- AccountTag
- AssetTag
- CampaignTag
- CaseTag
- ContactTag
- ContractTag
- DocumentTag
- EventTag
- LeadTag
- NoteTag
- OpportunityTag
- SolutionTag
- TaskTag

Custom objects may also be tagged. Tags for custom objects are identified by a suffix of two underscores immediately followed by the word `tag`. For example, a custom object named `Meeting` has a corresponding tag named Meeting__tag in that organization’s WSDL. Meeting__tag is only valid for `Meeting` objects.

TagDefinition is useful for mass operations on any tag record. For instance, if you want to rename existing tags, you can search for the appropriate TagDefinition object, update it, and the child tag's `Name` values are also changed. The following Java example replaces all `WC` tags with the phrase `West Coast`:

```
public void tagDefinitionSample() {
  String soqlQuery = "SELECT Id, Name FROM TagDefinition " +
      "WHERE Name = 'WC'";
```

```
    QueryResult qResult = null;
    try {
        qResult = connection.query(soqlQuery);
      TagDefinition tagDef = (TagDefinition) qResult.getRecords()[0];
      tagDef.setName("West Coast");
      connection.update(new SObject[]{tagDef});
    } catch (ConnectionException ce) {
      ce.printStackTrace();
    }
}
```

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

Task

Represents a business activity such as making a phone call or other to-do items. In the user interface, Task and Event records are collectively referred to as activities.

Note: Task fields related to calls are exclusive to Salesforce CRM Call Center. Also, `query()`, `delete()`, and `update()` aren't allowed with tasks related to more than one contact in API versions 23.0 and earlier.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Field Type
`AccountId`	**Type** reference **Properties** Group, Sort, Filter, Nillable **Description** Represents the ID of the related Account. The `AccountId` is determined as follows. If the value of `WhatId` is any of the following objects, then Salesforce uses that object's `AccountId`. • Account • Opportunity • Contract • Custom object that is a child of Account If the value of the `WhatId`field is any other object, and the value of the `WhoId` field is a Contact object, then Salesforce uses that contact's `AccountId`. (If your organization uses Shared Activities, then Salesforce uses the `AccountId` of the primary contact.)

Field	Field Type
	Otherwise, Salesforce sets the value of the `AccountId` field to `null`. For information on IDs, see ID Field Type.
`ActivityDate`	**Type** date **Properties** Group, Sort, Create, Filter, Nillable, Update **Description** Represents the due date of the task. This field has a timestamp that is always set to midnight in the Coordinated Universal Time (UTC) time zone. The timestamp is not relevant; do not attempt to alter it to accommodate time zone differences. Label is **Due Date**. Note: This field can't be set or updated for a recurring task (`IsRecurrence` is `true`).
`CallDisposition`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Represents the result of a given call, for example, "we'll call back," or "call unsuccessful." Limit is 255 characters. Not subject to field-level security, available for any user in an organization with Salesforce CRM Call Center.
`CallDurationInSeconds`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Duration of the call in seconds. Not subject to field-level security, available for any user in an organization with Salesforce CRM Call Center.
`CallObject`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Name of a call center. Limit is 255 characters.

Field	Field Type
	Not subject to field-level security, available for any user in an organization with Salesforce CRM Call Center.
CallType	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The type of call being answered: Inbound, Internal, or Outbound.
ConnectionReceivedId	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that shared this record with your organization. This field is available if you enabled Salesforce to Salesforce.
ConnectionSentId	**Type** reference **Properties** Filter, Nillable **Description** ID of the PartnerNetworkConnection that you shared this record with. This field is available if you enabled Salesforce to Salesforce. This field is supported using API versions earlier than 15.0. In all other API versions, this field's value is null. You can use the new PartnerNetworkRecordConnection object to forward records to connections.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Contains a text description of the task.
IsArchived	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the event has been archived.

Field	Field Type
IsClosed	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the task has been completed (`true`) or not (`false`). Is only set indirectly via the `Status` picklist. Label is **Closed**.
IsHighPriority	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates a high-priority task. This field is derived from the `Priority` field.
IsRecurrence	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort **Description** Indicates whether the task is scheduled to repeat itself (`true`) or only occurs once (`false`). This field is read-only on update, but not on create. If this field value is `true`, then `RecurrenceStartDateOnly`, `RecurrenceEndDateOnly`, `RecurrenceType`, and any recurrence fields associated with the given recurrence type must be populated. See Recurring Tasks.
IsReminderSet	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether a popup reminder has been set for the task (`true`) or not (`false`).
IsVisibleInSelfService	**Type** boolean **Properties** Defaulted on create, Filter, Update **Description** Indicates whether a task associated with an object can be viewed in the Customer Portal (`true`) or not (`false`).

Field	Field Type
	If your organization has enabled Communities, tasks marked `IsVisibleInSelfService` are visible to any external user in the community, as long as the user has access to the record the task was created on. This field is available when Customer Portal or partner portal are enabled OR Communities is enabled and you have Customer Portal or partner portal licenses.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the User who owns the record. Label is **Assigned To ID**.
`Priority`	**Type** picklist **Properties** Defaulted on create, Group, Sort, Create, Filter, Update **Description** Required. Indicates the importance or urgency of a task, such as high or low.
`RecurrenceActivityId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Read-only. Not required on create. ID of the main record of the recurring task. Subsequent occurrences have the same value in this field.
`RecurrenceDayOfMonth`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The day of the month in which the task repeats.
`RecurrenceDayOfWeekMask`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The day or days of the week on which the task repeats. This field contains a bitmask. The values are as follows:

Field	Field Type
	• Sunday = 1 • Monday = 2 • Tuesday = 4 • Wednesday = 8 • Thursday = 16 • Friday = 32 • Saturday = 64 Multiple days are represented as the sum of their numerical values. For example, Tuesday and Thursday = 4 + 16 = 20.
`RecurrenceEndDateOnly`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last date on which the task repeats. This field has a timestamp that is always set to midnight in the Coordinated Universal Time (UTC) time zone. The timestamp is not relevant; do not attempt to alter it to accommodate time zone differences.
`RecurrenceInstance`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The frequency of the recurring task. For example, “2nd” or “3rd.”
`RecurrenceInterval`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The interval between recurring tasks.
`RecurrenceMonthOfYear`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The month of the year in which the task repeats.

Field	Field Type
RecurrenceRegeneratedType	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Represents what triggers a repeating task to repeat. Add this field to a page layout together with the `RecurrenceInterval` field, which determines the number of days between the triggering date (due date or close date) and the due date of the next repeating task in the series. Label is **Repeat This Task**. This field has the following picklist values: • **None**: The task doesn't repeat. • **After due date**: The next repeating task will be due the specified number of days after the current task's due date. • **After the task is closed**: The next repeating task will be due the specified number of days after the current task is closed. • **(Task closed)**: This task, now closed, was opened as part of a repeating series. Note: When tasks in a series are set to repeat after their due date, Salesforce doesn't create recurrences that would have been due in the past. Instead, Salesforce keeps adding the interval until a repeated task has a due date in the future. For example, suppose that someone sets a task to repeat three days after it's due. But, that person doesn't complete the task (mark it Closed) until five days after it's due. Instead of creating a task that's already overdue, Salesforce gives the new task a due date of tomorrow. This due date is equivalent to 6 days after the due date; two intervals of three days each. If that person completes the repeating task (marks it Closed) before the due date, the next task is still due three days after the due date.
RecurrenceStartDateOnly	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date when the recurring task begins. Must be a date and time before `RecurrenceEndDateOnly`.
RecurrenceTimeZoneSidKey	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update

Field	Field Type
	Description The time zone associated with the recurring task. For example, "UTC-8:00" for Pacific Standard Time.
`RecurrenceType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates how often the task repeats. For example, daily, weekly, or every nth month (where "nth" is defined in `RecurrenceInstance`).
`ReminderDateTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** Represents the time when the reminder is scheduled to fire, if `IsReminderSet` is set to `true`. If `IsReminderSet` is set to `false`, then the user may have deselected the reminder checkbox in the Salesforce user interface, or the reminder has already fired at the time indicated by the value.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Required. The status of the task, such as In Progress or Completed. Each predefined `Status` field implies a value for the `IsClosed` flag. To obtain picklist values, query the TaskStatus object. Note: This field can't be updated for recurring tasks (`IsRecurrence` is `true`).
`Subject`	**Type** combobox **Properties** Create, Filter, Nillable, Sort, Update **Description** The subject line of the task, such as "Call" or "Send Quote." Limit: 255 characters.
`TaskSubtype`	**Type** picklist

Field	Field Type
	Properties Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Provides standard subtypes to facilitate creating and searching for specific task subtypes. This field isn't updateable. `TaskSubtype` values: • Task • Email • List Email • Call
`TaskWhoIds`	**Type** JunctionIdList **Properties** Create, Update **Description** A string array of contact or lead IDs related to this task. This `JunctionIdList` field is linked to the `TaskWhoRelations` child relationship. `TaskWhoIds` is only available when the shared activities setting is enabled. The first contact or lead ID in the list becomes the primary `WhoId` if you don't specify a primary `WhoId`. If you set the `EventWhoIds` field to null, all entries in the list are deleted and the value of `WhoId` is added as the first entry. Warning: Adding a `JunctionIdList` field name to the `fieldsToNull` property deletes all related junction records. This action can't be undone.
`Type`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** The type of task, such as Call or Meeting.
`WhatCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Available to organizations that have Shared Activities enabled. Count of related TaskRelations pertaining to `WhatId`. Count of the `WhatId` must be *1* or less.

Field	Field Type
WhatId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The WhatId represents nonhuman objects such as accounts, opportunities, campaigns, cases, or custom objects. WhatIds are polymorphic. Polymorphic means a WhatId is equivalent to the ID of a related object. The label is Related To ID.
WhoCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Available to organizations that have Shared Activities enabled. Count of related TaskRelations pertaining to WhoId.
WhoId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The WhoId represents a human such as a lead or a contact. WhoIds are polymorphic. Polymorphic means a WhoId is equivalent to a contact's ID or a lead's ID. The label is Name ID. If Shared Activities is enabled, the value of this field is the ID of the related lead or primary contact. If you add, update, or remove the WhoId field, you might encounter problems with triggers, workflows, and data validation rules that are associated with the record. The label is Name ID. Beginning in API version 37.0, if the contact or lead ID in the WhoId field is not in the TaskWhoIds list, no error occurs and the ID is added to the TaskWhoIds as the primary WhoId. If WhoId is set to null, an arbitrary ID from the existing TaskWhoIds list is promoted to the primary position.

Usage

Recurring Tasks

- Recurring tasks are available in API version 16.0 and later.
- After a task is created, it can't be changed from recurring to nonrecurring or vice versa.

- When a user creates a series of recurring tasks, Salesforce creates a main record and subsequent occurrences. For the main record, `IsRecurrence` is set to `true` and other fields that define the recurrence pattern are populated. The ID of the main record of the recurring task is saved in the subsequent occurrences, in the `RecurrenceActivityId` field.
- When you delete a recurring task series through the API, all open and closed task occurrences in the series are removed. However, when you delete a recurring task series through the user interface, only open tasks occurrences (`IsClosed` is `false`) in the series are removed.
- If `IsRecurrence` is `true`, then `RecurrenceStartDateOnly`, `RecurrenceEndDateOnly`, `RecurrenceType`, and any properties associated with the given recurrence type (see the following table) must be populated.
- When you change the `RecurrenceStartDateOnly` field or the recurrence pattern, all open tasks occurrences in the series are deleted and new open task occurrences are created based on the new recurrence pattern. The following fields determine the recurrence pattern: `RecurrenceType`, `RecurrenceTimeZoneSidKey`, `RecurrenceInterval`, `RecurrenceDayOfWeekMask`, `RecurrenceDayOfMonth`, `RecurrenceInstance`, and `RecurrenceMonthOfYear`.
- When you change the value of `RecurrenceEndDateOnly` to an earlier date (for example, from January 20th to January 10th), all open task occurrences in the series with the `ActivityDate` value greater than the new end date value are deleted. Other open and closed task occurrences in the series are not affected.
- When you change the value of `RecurrenceEndDateOnly` to a later date (for example, from January 10th to January 20th), new task occurrences are created up to the new end date. Existing open and closed tasks in the series are not affected.

The following table describes the usage of recurrence fields. Each recurrence type must have all of its properties set. All unused properties must be set to null.

RecurrenceType Value	Properties	Example Pattern
RecursDaily	RecurrenceInterval	Every second day
RecursEveryWeekday	RecurrenceDayOfWeekMask	Every weekday - can't be Saturday or Sunday
RecursMonthly	RecurrenceDayOfMonth RecurrenceInterval	Every second month, on the third day of the month
RecursMonthlyNth	RecurrenceInterval RecurrenceInstance RecurrenceDayOfWeekMask	Every second month, on the last Friday of the month
RecursWeekly	RecurrenceInterval RecurrenceDayOfWeekMask	Every three weeks on Wednesday and Friday
RecursYearly	RecurrenceDayOfMonth RecurrenceMonthOfYear	Every March on the twenty-sixth day of the month
RecursYearlyNth	RecurrenceDayOfWeekMask RecurrenceInstanceRecurrenceMonthOfYear	The first Saturday in every October

JunctionIdList

The `JunctionIdList` field is now implemented in the Event and Task objects. With a single API call, it's easy to create many-to-many relationships between the Event or Task object with contacts, leads, or users.

To create a Task with related Contacts without `JunctionIdList`, you first have to create the task, then use the returned task ID to create the `TaskRelation` records. If the `TaskRelation` save call fails, error handling is your responsibility because the task has already been committed to the database.

```
public void createTasksOld(Contact[] contacts) {
 Task task = new Task();
 task.setSubject("New Task");
 SaveResult[] results = null;
 try {
  results = connection.create(new Task[] {
   task
  });
  if (results[0].isSuccess()) {
   TaskRelation[] relations = new TaskRelation[contacts.size()];
   for (int i = 0; i < contacts.length; i++) {
    relations[i] = new TaskRelation();
    relations[i].setTaskId(results[0].getID());
    relations[i].setRelationId(contacts[i].getID());
   }
   results = connection.create(relations);
  }
 } catch (ConnectionException ce) {
  ce.printStackTrace();
 }
}
```

To create a task using `JuncionIdList`, IDs are pulled from the related contacts and both the task and the `TaskRelation` records are created in one API call. If the `TaskRelation` fails, the task is rolled back because it's all done in a single API call.

```
public void createTaskNew(Contact[] contacts) {
 String[] contactIds = new String[contacts.size()];
 for (int i = 0; i < contacts.size(); i++) {
  contactIds[i] = contacts[i].getID();
 }
 Task task = new Task();
 task.setSubject("New Task");
 task.setTaskWhoIds(contactIds);
 SaveResult[] results = null;
 try {
  results = connection.create(new Task[] {
   task
  });
 } catch (ConnectionException ce) {
  ce.printStackTrace();
 }
}
```

SEE ALSO:

Object Basics

TaskFeed

Represents a single feed item in the feed on a Task. This object is available in API version 20.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of TaskFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.

Field	Details
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
ContentSize	**Type** int **Properties** Group, Nillable, Sort

Field	Details
	Description Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean

Field	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field.

Field	Details
	When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference

Field	Details
	Properties Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the task record. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed.

Field	Details
	• `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values:

Field	Details
	• AllUsers—The feed item is available to all users who have permission to see the feed item. • InternalUsers—The feed item is available to internal users only. Note the following exceptions for Visibility: • For record posts, Visibility is set to InternalUsers for all internal users by default. • External users can set Visibility only to AllUsers. • On user and group posts, only internal users can set Visibility to InternalUsers.

Usage

Use this object to track changes for a task record.

TaskPriority

Represents the importance or urgency of a Task, such as High, Normal, or Low.

Supported Calls

describeSObjects(), query(), retrieve()

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
ApiName	**Type** string **Properties** Filter, Group, NillableSort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
IsDefault	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether this is the default task priority value (`true`) or not (`false`) in the picklist. Only one value in the picklist can be the default value.
`IsHighPriority`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this task priority value represents a high priority Task (`true`) or not (`false`). Multiple task priority values can represent a high-priority Task.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Master label for this task priority value. This display value is the internal label that does not get translated. Limit: 255 characters.
`SortOrder`	**Type** int **Properties** Filter, Nillable, Group, Sort **Description** Number used to sort this value in the task priority picklist. These numbers are not guaranteed to be sequential, as some previous task priority values might have been deleted.

Usage

This object represents a value in the task priority picklist. The task priority picklist provides additional information about the importance of a Task, such as whether a given priority value represents a high priority. Your client application can query on this object to retrieve the set of values in the task priority picklist, and then use that information while processing Task objects to determine more information about a given task. For example, the application could test whether a given Task is high priority based on its `Priority` value and the value of the `IsHighPriority` in the associated TaskPriority object.

SEE ALSO:

Object Basics

TaskRelation

Represents the relationship between a task and a lead, contacts, and other objects related to the task. If Shared Activities is enabled, this object doesn't support triggers, workflow, or data validation rules. This object is available in API version 24.0 and later.

TaskRelation is only available if you've enabled Shared Activities in your organization.

TaskRelation allows the following relationships:

- A task can be related to one lead or up to 50 contacts.
- A task can also be related to one account, asset, campaign, case, contract, opportunity, product, solution, or custom object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `queryAll()`, `retrieve()`

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the Account ID of the relation. For information on IDs, see ID Field Type.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a task has been deleted; label is **Deleted**. When a TaskRelation record is deleted, it isn't moved to the Recycle Bin and can't be undeleted, unless the record was cascade-deleted when the parent object was deleted. Don't use the `IsDeleted` field to detect deleted records in SOQL queries or `queryAll()` calls on directly deleted relation records. Instead, use the call `getDeleted()`.
`IsWhat`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description Indicates whether the relation is an Account, Opportunity, Campaign, Case, other standard object, or a custom object. Value is `false` if `RelationId` is a contact or lead and `true` otherwise.
`RelationId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Indicates the `WhatId` or `WhoId` in the relationship. For more information, see `Task`. For information on IDs, see ID Field Type.
`TaskId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Represents the ID of the associated Task. For information on IDs, see ID Field Type.

Usage

See contacts associated with a task

```
public void queryWhosOfTaskSample() {
     String soqlQuery = "SELECT Id, Subject, (SELECT RelationId, Relation.Name, IsWhat
 from TaskRelations WHERE isWhat = false) FROM Task WHERE Id = '00T x00000050KEN'";
    QueryResult qResult = null;
    try {
        qResult = connection.query(soqlQuery);
        TaskRelation relation1 =
(TaskRelation)qResult.getRecords()[0].getTaskRelations().getRecords()[0];
    }catch (ConnectionException ce) {
        ce.printStackTrace();
     }
 }
```

SEE ALSO:

Task

TaskWhoRelation

TaskStatus

Represents the status of a Task, such as Not Started, Completed, or Closed.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`ApiName`	**Type** string **Properties** Filter, Group, NillableSort **Description** Uniquely identifies a picklist value so it can be retrieved without using an id or master label.
`IsClosed`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this task status value represents a closed Task (`true`) or not (`false`). Multiple task status values can represent a closed Task.
`IsDefault`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether this is the default task status value (`true`) or not (`false`) in the picklist.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort

Field	Details
	Description Master label for this task status value. This display value is the internal label that does not get translated. Limit: 255 characters.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Number used to sort this value in the task status picklist. These numbers are not guaranteed to be sequential, as some previous task status values might have been deleted.

Usage

This object represents a value in the task status picklist. The task status picklist provides additional information about the status of a Task, such as whether a given status value represents an open or closed task. Your client application can query this object to retrieve the set of values in the task status picklist, and then use that information while processing Task records to determine more information about a given task. For example, the application could test whether a given task is open or closed based on the Task `Status` value and the value of the `IsClosed` property in the associated TaskStatus record.

SEE ALSO:

Object Basics

TaskTag

Associates a word or short phrase with a Task.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ItemId`	**Type** reference **Properties** Create, Filter **Description** ID of the tagged item.

Field Name	Details
Name	**Type** string **Properties** Create, Filter **Description** Name of the tag. If this value does not already exist, a new TagDefinition is created and becomes the parent of this Tag object. Otherwise, a TagDefinition with the same name becomes the parent of this Tag object. Parent relationships are created automatically.
TagDefinitionId	**Type** reference **Properties** Filter **Description** ID of the parent TagDefinition object that owns the tag.
Type	**Type** picklist **Properties** Create, Filter, Restricted picklist **Description** Defines the visibility of a tag. Valid values: • `Public`—The tag can be viewed and manipulated by all users in an organization. • `Personal`—The tag can be viewed or manipulated only by a user with a matching `OwnerId`.

Usage

TaskTag stores the relationship between its parent TagDefinition and the Task being tagged. Tag objects act as metadata, allowing users to describe and organize their data.

When a tag is deleted, its parent TagDefinition will also be deleted if the name is not being used; otherwise, the parent remains. Deleting a TagDefinition sends it to the Recycle Bin, along with any associated tag entries.

TaskWhoRelation

Represents the relationship between a task and a lead or contacts. This object is available in API version 29.0 and later.

This derived object is a filtered version of the TaskRelation on page 2183 object; that is, IsParent is *true* and IsWhat is *false*. It doesn't represent relationships to accounts, opportunities, or other objects.

TaskWhoRelation allows a variable number of relationships: one lead or up to 50 contacts. Available only if you've enabled Shared Activities for your organization.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`RelationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the contacts or lead related to the task.
`TaskId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the task.
`Type`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates whether the person related to the task is a lead or contact.

Usage

Apex example that queries contacts associated with a task

```
public void queryWhosOfTaskSample() {
    String soqlQuery = "SELECT Id, Subject, (SELECT RelationId, Relation.Name, IsWhat
from TaskWhoRelations) FROM Task WHERE Id = '00Tx0000005OKEN'";
    QueryResult qResult = null;
    try {
        qResult = connection.query(soqlQuery);
        TaskWhoRelation relation1 =
(TaskWhoRelation)qResult.getRecords()[0].getTaskWhoRelations().getRecords()[0];
    } catch (ConnectionException ce) {
```

```
        ce.printStackTrace();
    }
}
```

SEE ALSO:

Task

TaskRelation

TenantSecret

This object stores an encrypted organization-specific key fragment that is used with the master secret to produce organization-specific data encryption keys. This object is available in API version 34.0 and later.

You can rotate tenant secrets of the `Data` type once every four hours in a sandbox org or every 24 hours in production orgs. You can rotate tenant secrets of the `SearchIndex` type once every seven days.

Note: This information is about Shield Platform Encryption and not Classic Encryption.

Supported Calls

`create()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the tenant secret.
`KeyDerivationMode`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The key derivation mode applied to customer-supplied key material. Modes are: **PBKDF2** The customer-supplied key material is used by the Shield KMS to create a derived data encryption key.

Field Name	Details
	NONE The customer-supplied key material is used by the Shield KMS as the final data encryption key to directly encrypt and decrypt data. Available in API version 43.0 and later.
SecretValue	**Type** base64 **Properties** Create, Nillable, Update **Description** The encrypted 256-bit secret value encoded in base64.
SecretValueCertificate	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The certificate needed to upload a customer-supplied tenant secret. Each certificate has a unique name.
SecretValueHash	**Type** base64 **Properties** Create **Description** The matching tenant secret hash for an uploaded customer-supplied tenant secret.
Source	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The source of the encryption key material. Values are: **HSM** A Salesforce-generated tenant secret. **UPLOADED** A customer-supplied tenant secret or data encryption key. Available in API version 43.0 and later.

Field Name	Details
`Status`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The status of the tenant secret. Values are: **ACTIVE** Can be used to encrypt and decrypt new or existing data. **ARCHIVED** Cannot encrypt new data. Can be used to decrypt data previously encrypted with this key when it was active. **DESTROYED** Cannot encrypt or decrypt data. Data encrypted with this key when it was active can no longer be decrypted. Files and attachments encrypted with this key can no longer be downloaded.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** The type of tenant secret. The `Type` field is available in API version 39.0 and later. The following values appear in the `Type` picklist: • `Data`—data stored in the Salesforce database. Includes data in encrypted fields, files, and attachments but not search index files. Tenant secrets created in API version 34.0 and later default to the `Data` type. • `SearchIndex`—search index files (available in API version 39.0 and later). • `Analytics`—Einstein Analytics data (available in API version 39.0 and later). • `DeterministicData`—data stored in the Salesforce database. Includes data in encrypted fields, files, and attachments, but not search index files (available in API version 39.0 and later). • `EventBus`—Change Data Capture event data (available in API version 43.0 and later). Change Data Capture is part of a pilot.
`Version`	**Type** int **Properties** Filter, Group, idLookup, Sort **Description** The version number of this secret. The version number is unique within your org.

Usage

Use this object to create or update an org-specific tenant secret or customer-supplied key material. For example, you can build an automated tenant secret creation and activation solution similar to the following.

1. Start by creating an Apex class to create the new tenant secret. Specify the value of the tenant secret to encrypt data of a particular type.

```
global class CreateNewSecret implements Schedulable {
   global void execute(SchedulableContext SC) {
      TenantSecret secret = new TenantSecret ();
      secret.description = 'Created new secret from scheduled job';
      secret.type= 'SearchIndex';
      insert secret;
   }
}
```

   Note: `Type` is available in API version 39.0 and later. `Type` is optional; all tenant secrets default to the `Data` type.

2. Schedule the Apex class to run at the specified interval.

   This Apex code only needs to be run a single time to schedule the job. This code runs the job every 90 days.

```
CreateNewSecret secret = new CreateNewSecret();
String schedule = '0 0 0 1 JAN,APR,JUL,OCT ?';
String jobID = system.schedule('Automated secret creation and activation', schedule,
secret);
```

3. Validate that the job is scheduled.
4. Validate that tenant secrets are created after the job is run.

You can also upload a customer-supplied tenant secret or customer-supplied data encryption key.

1. Create a certificate that is compatible with customer-supplied (BYOK) key material. See “Generate a BYOK-Compatible Certificate” in the Platform Encryption REST API Developer Guide.
2. Then upload your matching key material and key material hash. Include the unique name of the compatible certificate. The key material is uploaded in encrypted form.

```
      TenantSecret secret = new TenantSecret ();
      secret.description = 'New uploaded secret';
      secret.type= 'Data';
      secret.SecretValue = ...
      EncodingUtil.base64Decode('...');;
      secret.SecretValueCertificate = ...;
      secret.SecretValueHash = ...
      EncodingUtil.base64Decode('...');
      insert secret;
```

   You can use this script to generate a customer-supplied tenant secret and tenant secret hash.

3. Validate that the key material is uploaded.

You can opt out of key derivation on a key-by-key basis when you upload key material. When you upload your key material, specify `'Source':UPLOADED` and `'KeyDerivationMode':'NONE'`, and set non-null values for the SecretValueCertificate, SecretValue, and SecretValueHash.

Here's an example of how to import a tenant secret of the `Data` type.

```
TenantSecret secret = [SELECT Id FROM TenantSecret WHERE Type = 'Data' AND Version = 2];
secret.SecretValue = "<previously_exported_secret_as_a_String>";
update secret;
```

You can also export a tenant secret by writing the `secret.SecretValue` to a file. Here's an example that uses a tenant secret of the `SearchIndex` type.

```
TenantSecret secret = [SELECT SecretValue FROM TenantSecret WHERE Type = 'TenantSecret'
AND Version = 2];
secret.SecretValue =...;
update secret;
```

Here's an example of how to destroy a tenant secret of the `Data` type.

Warning: Your tenant secret is unique to your organization and to the specific data to which it applies. Once you destroy a tenant secret, related data is not accessible unless you previously exported the key and then import the key back into Salesforce.

```
TenantSecret secret = [SELECT Id FROM TenantSecret WHERE Type = 'Data' AND Version = 2];
secret.SecretValue = NULL;
update secret;
```

Territory

Represents a flexible collection of accounts and users where the users have at least read access to the accounts, regardless of who owns the accounts. Only available if territory management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`AccountAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** Account access level granted to users assigned to this territory.
`CaseAccessLevel`	**Type** picklist

Field	Details
	Properties Create, Filter, Nillable, Group, Sort, Update **Description** Case access level granted to users assigned to this territory.
`ContactAccessLevel`	**Type** picklist **Properties** Filter, Group, Nillable, Sort **Description** A value that represents the type of access granted to the target Group, UserRole, or User for any associated contacts. The possible values are: • `None` • `Read` • `Edit` Note: When `DefaultContactAccess` is set to "Controlled by Parent," you can't create or update this field.
`Description`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the territory that is 1,000 characters or less.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Territory Name** in the user interface. This field is available in API version 24.0 and later. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.

Field	Details
ForecastUserId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the Forecast Manager, who is the user to whom forecasts from this territory's child territories roll up.
MayForecastManagerShare	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the forecast manager can manually share their own forecast.
Name	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** A name for the territory. Limit is 80 characters. Corresponds to **Label** on the user interface.
OpportunityAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** Opportunity access level granted to users assigned to this territory.
ParentTerritoryID	**Type** reference **Properties** Create, Filter, Nillable, Update **Description** Territory immediately above this territory in the territory hierarchy. Label is **Parent Territory ID**.
RestrictOppTransfer	**Type** boolean **Properties** Create, Defaulted on create, Filter, Update

Field	Details
	Description Indicates whether the opportunities associated with this territory are kept within the bounds of this territory and this territory's children when account assignment rules are run (`true`), or if opportunities associated with this territory can be assigned to other nodes of the territory hierarchy when account assignment rules are run (`false`). Label is **Confine Opportunity Assignment**.

Usage

Use the Territory object to query your organization's territory hierarchy. Use it to obtain valid territory IDs when querying or modifying records associated with territories.

SEE ALSO:

AccountTerritoryAssignmentRule

AccountTerritoryAssignmentRuleItem

UserTerritory

Territory2

Represents a sales territory. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your organization's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`AccountAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Represents the default account record access levels for users that are assigned to the territory. Values are: • `Read Only` • `Read/Write` • `Owner`
`CaseAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Represents the default case record access levels for users that are assigned to the territory. Values are: • `Private` • `Read Only` • `Read/Write`
`ContactAccessLevel`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Represents the default contact record access levels for users that are assigned to the territory. Values are: • `Private` • `Read Only` • `Read/Write`
`Description`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The description of the territory.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field Name	Details
	Description Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters and must be unique in your organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. The field label in the user interface is `Territory Name`. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the territory. The field label in the user interface is `Label`.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Represents the default opportunity record access levels for users that are assigned to the territory. Values are: • `Private` • `Read Only` • `Read/Write`
`ParentTerritory2Id`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the territory's parent territory (if any). If the territory has no parent territory, this value is `null`.
`Territory2ModelId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the territory model that the territory belongs to.

Field Name	Details
`Territory2TypeId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the territory type that the territory belongs to.

Territory2Model

Represents a territory model. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your organization's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`ActivatedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the territory model was activated.
`DeactivatedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the territory model was archived.
`Description`	**Type** textarea

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The description of the territory model.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters and must be unique in your organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. The field label in the user interface is `Territory Model Name`. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`LastOppTerrAssignEndDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Read-only. The date when the opportunity territory assignment filter was last run. Used for Filter-Based Opportunity Territory Assignment (Pilot in Spring '15 / API version 33).
`LastRunRulesEndDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the last rules run was completed.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The territory model name. The field label in the user interface is `Label`.

Field Name	Details
`State`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The state of the territory model. Values are: `Planning`, `Activating`, `Activation Failed`, `Active`, `Archiving`, `Archiving Failed`, `Archived`, `Deleting`, and `Deletion Failed`.

Territory2ModelHistory

Represents the history of changes to the values in the fields on a territory model. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field whose value was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the changed field.
`OldValue`	**Type** anyType **Properties** Nillable, Sort

Field Name	Details
	Description The previous value of the changed field.
`Territory2ModelId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the territory model whose history is tracked.

Usage

This object is automatically generated whenever any field value changes on a territory model record. Use this object it to identify those changes.

Territory2Type

Represents a category for territories (Territory2). Every Territory2 must have a Territory2Type. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

All users (including standard users) have access to this object in the user interface

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The description of the territory type.
`DeveloperName`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Sort, Update **Description** Required. The unique name of the object in the API. This name can contain only underscores and alphanumeric characters and must be unique in your organization. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. The field label in the user interface is `Territory Type Name`. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`Language`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The language of the master label in the user interface.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required The user interface label for the territory type.
`Priority`	**Type** int **Properties** Create, Filter, Group, SortUpdate **Description** Required. Used for Filter-Based Opportunity Territory Assignment (Pilot in Spring '15 / API version 33). Lets you specify a priority for a territory type. For opportunity assignments, the filter examines all territories assigned to the account that the opportunity is assigned to. The account-assigned territory whose territory type priority is highest is then assigned to the opportunity. The `priority` field value on each territory type must be unique. Further, if there are multiple territories with the same territory type (and therefore the same priority) assigned to the account, no territory is assigned to the opportunity.

TestSuiteMembership

Associates an Apex class with an ApexTestSuite. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Description
`ApexClassId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The Apex class whose tests are to be executed.
`ApexTestSuiteId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The test suite to which the Apex class is assigned.

Usage

Insert a TestSuiteMembership object using an API call to associate an Apex class with an ApexTestSuite object. (ApexTestSuite and TestSuiteMembership aren't editable through Apex DML.) To remove the class from the test suite, delete the TestSuiteMembership object. If you delete an Apex test class or test suite, all TestSuiteMembership objects that contain that class or suite are deleted.

The following SOQL query returns the membership object that relates this Apex class to this test suite.

```
SELECT Id FROM TestSuiteMembership WHERE ApexClassId = '01pD0000000Fhy9IAC'
    AND ApexTestSuiteId = '05FD00000004CDBMA2'
```

SEE ALSO:

ApexTestSuite

ThirdPartyAccountLink

Represents the list of external users who authenticated using an Auth. Provider. This object is available in API version 32.0 and later.

A list of third-party account links is generated when users of an organization authenticate using an external Auth. Provider. Use this object to list and revoke a given user's social sign-on connections (such as Facebook©).

Supported Calls

`describeSObjects()`, `query()`

Fields

Field Name	Details
`Handle`	**Type** string **Properties** Filter, Nillable, Sort **Description** The username in the third-party system.
`IsNotSsoUsable`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Support for single sign-on. If *`true`*, the link cannot be used for a single sign-on flow. It is only available OAuth access and refresh tokens.
`Provider`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The third-party account provider name.
`RemoteIdentifier`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The unique ID for the user in the third-party system.
`SsoProvider`	**Type** AuthProvider on page 291

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The foreign key to the AuthProvider of the third-party system.
`SsoProviderId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID associated with the `SsoProvider` value.
`SsoProviderName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The name associated with the AuthProvider of the third-party system, in case the user has no access to the provider foreign key (the `SsoProvider` value).
`ThirdPartyAccountLinkKey`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A concatenated string including the organization ID, the `SsoProviderId` value, the `SsoProvider` value, and the `RemoteIdentifier` value.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The Salesforce user associated with this third-party account link.

Usage

Administrators (with the “Manage Users” permission) querying this object can see all the links for all users in the organization. Without the “Manage Users” permission, users can only retrieve their own links. A user might not have access to the `SsoProvider` value (the foreign key). In this case, use the `SsoProviderName` to render the name of the provider for the associated link.

Use the Apex method `Auth.AuthToken.revokeAccess()` to revoke a link.

To make the ThirdPartyAccountLink standard object writable for Salesforce admins, contact Salesforce Customer Support. With this feature, you can easily add or delete third-party account links using the API, but you can't update existing account links.

In API version 34.0 and later, this object was enhanced to help manage high instance counts. A `query()` call returns up to 500 rows. A `queryMore()` call returns 500 more, up to 2500 total. No more records are returned after 2500. To make sure that you don't miss any records, issue a `COUNT()` query in a SELECT clause for ThirdPartyAccountLink. This query gives you the total number of records. If there are more than 2500 records, divide your query by filtering on fields, like `UserId`, to return subsets of less than 2500 records.

TimeSheet

Represents a schedule of a service resource's time in field service.

Time sheets are composed of time sheet entries, which typically track individual tasks like travel or asset repair.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only if the multicurrency feature is enabled. Contains the ISO code for any currency allowed by the organization. The label in the user interface is `Currency ISO Code`.
`EndDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The last day the time sheet covers.
`LastReferencedDate`	**Type** dateTime

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the time sheet.
`ServiceResourceId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The service resource whose time is being tracked with the time sheet.
`StartDate`	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The first day the time sheet covers.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The status of the time sheet. The picklist includes the following values, which can be customized: • New • Submitted • Approved
`TimeSheetEntryCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** (Read Only) The number of related time sheet entries.
`TimeSheetNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the time sheet.

TimeSheetEntry

Represents a span of time that a service resource spends on a field service task.

Time sheets are composed of time sheet entries. Time sheet entries typically track individual tasks like travel or asset repair.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only if the multicurrency feature is enabled. Contains the ISO code for any currency allowed by the organization. The label in the user interface is `Currency ISO Code`. Time sheet entries inherit their time sheet's currency code. Updates to a time sheet's currency code aren't reflected in existing time sheet entries' currency code.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** Notes on how the time was spent. For example, "This service took longer than normal because the machine was jammed."
EndTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date and time the activity finished.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`StartTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date and time the activity began.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the time sheet entry. The picklist includes the following values, which can be customized: • New • Submitted • Approved
`Subject`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Activity performed; for example, repair, lunch, or travel.
`TimeSheetEntryNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, Sort **Description** An auto-generated number identifying the time sheet entry.
`TimeSheetId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The time sheet associated with the time sheet entry.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The type of work performed. The picklist includes the following values, which can be customized: • Direct • Indirect
`WorkOrderId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order related to the time sheet entry. Work orders are searchable by their content.
`WorkOrderLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order line item related to the time sheet entry. Work order line items are searchable by their content.

TimeSheetEntryFeed

Represents a single feed item on a time sheet entry record detail page.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn’t create, you must have one of these permissions:

- “Modify All Data”
- “Modify All” on the TimeSheetEntry object
- “Moderate Chatter”

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the time sheet entry record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkURL` field is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

TimeSheetEntryHistory

Represents the history of changes made to tracked fields on a time sheet entry in field service.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`TimeSheetEntryId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the time sheet entry being tracked. The history is displayed on the detail page for this record.

TimeSheetFeed

Represents a single feed item on a time sheet record detail page.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the TimeSheet object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`InsertedById`	**Type** reference

Field Name	Details
	Properties Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the time sheet record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort

Field Name	Details
	Description ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the `LinkURL` field is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

TimeSheetHistory

Represents the history of changes made to tracked fields on a time sheet in field service.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.

Field Name	Details
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`TimeSheetId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the time sheet being tracked. The history is displayed on the detail page for this record.

TimeSheetOwnerSharingRule

Represents the rules for sharing a time sheet with user records other than the owner or anyone above the owner in the role hierarchy.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A time sheet owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`ServiceResourceAccessLevel`	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

TimeSheetShare

Represents a sharing entry on a field service time sheet.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the time sheet. The possible values are: • *`Read`*

Field Name	Details
	• *Edit* • *All* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default time sheet access level.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The time sheet associated with the sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *Manual* (default). Valid values include: • *Manual*—The user or group has access because a user with "All" access manually shared the time sheet. • *Owner*—The user is the owner of the time sheet. • *Team*—The user or group has team access. • *Rule*—The user or group has access via a time sheet sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the time sheet.

TimeSlot

Represents a period of time on a specified day of the week during which field service work can be performed. Operating hours consist of one or more time slots. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`DayOfWeek`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The day of the week when the time slot takes place.
`EndTime`	**Type** time **Properties** Create, Filter, Sort, Update **Description** The time when the time slot ends.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.

Field Name	Details
`OperatingHoursId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The operating hours that the time slot belongs to. An operating hours' time slots appear in the Operating Hours related list.
`StartTime`	**Type** time **Properties** Create, Filter, Sort, Update **Description** The time when the time slot starts.
`TimeSlotNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the time slot. The name is auto-populated to a day and time format—for example, `Monday 9:00 AM - 10:00 PM`—but you can manually update it if you wish.
`Type`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of time slot. Possible values are *`Normal`* and *`Extended`*. You may choose to use *`Extended`* to represent overtime shifts.

Usage

Operating hours are composed of time slots, which indicate the hours of operation for a particular day. After you create operating hours, create time slots for each day. For example, if the operating hours should be 8 AM to 5 PM Monday through Friday, create five time slots, one per day. To reflect breaks such as lunch hours, create multiple time slots in a day: for example, *`Monday 8:00 AM - 12:00 PM`* and *`Monday 1:00 PM - 5:00 PM`*.

Tip: Time slots don't come with any built-in rules, but you can create Apex triggers that limit time slot settings in your org. For example, you may want to restrict the start and end times on time slots to half-hour increments, or to prohibit end times later than 8 PM.

TimeSlotHistory

Represents the history of changes made to tracked fields on a time slot. This object is available in API version 38.0 and later.

Supported Calls

`getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and field tracking for time slot fields must be configured.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`TimeSlotId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the time slot being tracked. The history is displayed on the detail page for this record.

Topic

Represents a topic on a Chatter post or record. This object is available in API version 28.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Fields

Field Name	Details
`Description`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the topic.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update Note: You can change only the spacing and capitalization of a topic name with the update property. **Description** Name of the topic.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Identifier of the community to which the Topic belongs. This field is available only if Salesforce Communities is enabled in your organization.

Field Name	Details
TalkingAbout	**Type** int **Properties** Filter, Group, Sort **Description** Number of people talking about the topic over the last two months, based on factors such as topic additions and comments on posts with the topic.

Usage

Use this object to query a specific topic or to get a list of all topics, even those used solely in private groups and on records, and the number of people talking about them.

Use this object to create, edit, or delete topics. To create a topic, you must have the "Create Topics" permission. To edit a topic, you must have the "Edit Topics" permission. To delete a topic, you must have the "Delete Topics" or "Modify All Data" permission.

TopicAssignment

Represents the assignment of a topic to a specific feed item, record, or file. This object is available in API version 28.0 and later.

Administrators must enable topics for objects before users can add topics to records of that object type. Topics for most objects are available in API version 30.0 and later. Topics for ContentDocument are available in API version 37.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
EntityId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Identifier of the feed item, record, or file.
EntityKeyPrefix	**Type** string **Properties** Filter, Group, idLookup, Sort

Field Name	Details
	Description The first three digits of the `EntityID` field, which identify the object type (account, opportunity, etc). This read-only field is available in API version 32.0 and later. Interface label is "Record Key Prefix," which appears only in reports.
`EntityType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The standard name for the object type (account, opportunity, etc). This read-only field is available in API version 33.0 and later. Interface label is "Object Type," which appears only in reports. Tip: In most cases, you should use this field rather than `EntityKeyPrefix`, which exists primarily to support older reports.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Identifier of the community to which the TopicAssignment belongs. This field is available only if Salesforce Communities is enabled in your organization.
`TopicId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Identifier of the topic.

Usage

Use this object to query the assignments of topics to feed items, records, or files. To assign or remove topics, you must have the "Assign Topics" permission.

In SOQL `SELECT` syntax, this object supports nested semi-joins, allowing queries on Knowledge articles assigned to specific topics. For example:

```
SELECT parentId FROM KnowledgeArticleViewStat
    WHERE parentId in (SELECT KnowledgeArticleId FROM KnowledgeArticleVersion
```

```
WHERE publishStatus = 'Online' AND language = 'en_US'
AND  Id in (select EntityId from TopicAssignment where TopicId ='0T0xx0000000xxx'))
```

No SOQL limit if logged-in user has “View All Data” permission. If not, do one of the following:

- Specify a LIMIT clause of 1,100 records or fewer.
- Filter on `Id` or `Entity` when using a `WHERE` clause with "=".

SEE ALSO:

Topic

FeedItem

TopicFeed

Represents a single feed item on a topic page. This object is available in API version 29.0 and later.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn’t create, you must have one of these permissions:

- “Modify All Data”
- “Moderate Chatter”

Note: Users with the “Moderate Chatter” permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is `TextPost` or `AdvancedTextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
ContentDescription	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.

Field Name	Details
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is the size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is the MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the InsertedBy value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item Body contains rich text. Set IsRichText to true if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b>

Field Name	Details
	• `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field Name	Details
	• `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the topic.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. For Work.com thanks posts, it's the ID of the WorkThanks object associated with a `RypplePost`. This field is typically null for all posts except `ContentPost` and `RypplePost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of FeedItem: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email

Field Name	Details
	tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event.

Field Name	Details
	• `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

TopicLocalization—Beta

Represents the translated version of a topic name. Topic localization applies only to navigational and featured topics in communities. This object is available in API version 33.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Users with the Translation Workbench enabled can view topic translations, but the “Customize Application,” “Manage Translation,” or “Manage Categories” permission is required to create or update them.

Fields

Field Name	Details
`Language`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The combined language and locale ISO code, which controls the language for labels displayed in an application. (The values in this field are not related to the default locale selection.) This picklist contains the following fully-supported languages: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th` The following end-user only languages are available. • Arabic: `ar`

Field Name	Details
	• Bulgarian: bg • Croatian: hr • Czech: cs • English (UK): en_GB • Greek: el • Hebrew: iw • Hungarian: hu • Indonesian: in • Polish: pl • Portuguese (European): pt_PT • Romanian: ro • Slovak: sk • Slovenian: sl • Turkish: tr • Ukrainian: uk • Vietnamese: vi The following platform languages are available for organizations that use Salesforce exclusively as a platform. • Albanian: sq • Arabic (Algeria): ar_DZ • Arabic (Bahrain): ar_BH • Arabic (Egypt): ar_EG • Arabic (Iraq): ar_IQ • Arabic (Jordan): ar_JO • Arabic (Kuwait): ar_KW • Arabic (Lebanon): ar_LB • Arabic (Libya): ar_LY • Arabic (Morocco): ar_MA • Arabic (Oman): ar_OM • Arabic (Qatar): ar_QA • Arabic (Saudi Arabia): ar_SA • Arabic (Sudan): ar_SD • Arabic (Syria): ar_SY • Arabic (Tunisia): ar_TN • Arabic (United Arab Emirates): ar_AE • Arabic (Yemen): ar_YE • Armenian: hy • Basque: eu

Field Name	Details
	• Bosnian: `bs` • Bengali: `bn` • Catalan: `ca` • Chinese (Simplified—Singapore): `zh_SG` • Chinese (Traditional—Hong Kong): `zh_HK` • Dutch (Belgium): `nl_BE` • English (Australia): `en_AU` • English (Canada): `en_CA` • English (Hong Kong): `en_HK` • English (India): `en_IN` • English (Ireland): `en_IE` • English (Malaysia): `en_MY` • English (Philippines): `en_PH` • English (Singapore): `en_SG` • English (South Africa): `en_ZA` • Estonian: `et` • French (Belgium): `fr_BE` • French (Canada): `fr_CA` • French (Luxembourg): `fr_LU` • French (Switzerland): `fr_CH` • Georgian: `ka` • German (Austria): `de_AT` • German (Belgium): `de_BE` • German (Luxembourg): `de_LU` • German (Switzerland): `de_CH` • Hindi: `hi` • Icelandic: `is` • Irish: `ga` • Italian (Switzerland): `it_CH` • Latvian: `lv` • Lithuanian: `lt` • Luxembourgish: `lb` • Macedonian: `mk` • Malay: `ms` • Maltese: `mt` • Romanian (Moldova): `ro_MD` • Montenegrin: `sh_ME` • Romansh: `rm`

Field Name	Details
	- Serbian (Cyrillic): `sr` - Serbian (Latin): `sh` - Spanish (Argentina): `es_AR` - Spanish (Bolivia): `es_BO` - Spanish (Chile): `es_CL` - Spanish (Colombia): `es_CO` - Spanish (Costa Rica): `es_CR` - Spanish (Dominican Republic): `es_DO` - Spanish (Ecuador): `es_EC` - Spanish (El Salvador): `es_SV` - Spanish (Guatemala): `es_GT` - Spanish (Honduras): `es_HN` - Spanish (Nicaragua): `es_NI` - Spanish (Panama): `es_PA` - Spanish (Paraguay): `es_PY` - Spanish (Peru): `es_PE` - Spanish (Puerto Rico): `es_PR` - Spanish (United States): `es_US` - Spanish (Uruguay): `es_UY` - Spanish (Venezuela): `es_VE` - Tagalog: `tl` - Tamil: `ta` - Urdu: `ur` - Welsh: `cy`
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: - In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This

Field Name	Details
	field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID that identifies the topic. After a TopicLocalization record is created, this ID can't be modified.
`Value`	**Type** string **Properties** Create, Filter, Sort, Update **Description** The translated text for the topic name. Label is **Topic Name Translation**.

TopicUserEvent

Represents an action (such as comment, post, like, or share) made by a user on a topic. This object is available in API version 42.0 and later.

Supported Calls

`delete()`, `query()`, `retrieve()`

Special Access Rules

Only users with the "Modify All Data" permission can view and delete these data.

Fields

Field	Details
`ActionEnum`	**Type** picklist

Field	Details
	Properties Filter, Group, Restricted picklist, Sort, Update **Description** The action taken by a user on a topic. The possible values are: • LIKE • COMMENT • POST • ASSIGN • SHARE • FAVORITE • UNFAVORITE • AT_MENTION • BANG_MENTION • COMMENT_LIKE • USER_ENDORSEMENT • SKILL_PEER_ENDORSEMENT • SKILL_SELF_ENDORSEMENT • BEST_ANSWER
`NetworkID`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the network (community) where the action was performed.
`TopicId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Identifier of the topic.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Unique Salesforce user ID.

Usage

Use the TopicUserEvent object to delete topic-related activities by community users who would like all their topic-related activities to be removed from a community.

TransactionSecurityPolicy

Represents a transaction security policy definition.

This object is available in API version 42.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field	Details
`ActionConfig`	**Type** textarea **Properties** Create, Update **Description** Describes the action to take when the matching Transaction Security policy is triggered. Also indicates the type of notifications selected and the ID of the intended recipient. Multiple actions can be taken. The actions available depend on the `Event Type` field.
`ApexPolicyId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Represents the Apex `TxnSecurity.PolicyCondition` interface for this policy.
`Description`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The description entered for this policy.
`DeveloperName`	**Type** string

Field	Details
	Properties Create, Filter, Group, Sort, Update **Description** The API, or program name, for this policy.
`EventName`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Used in Real-Time Events pilot only. Indicates the name of the event the policy monitors. This field is available in API 31.0 and later. Valid values are: • `AdminSetupEvent`—Tracks user operations involving managing encryption keys in your organization. • `ApiEvent`—Tracks user API calls in your organization. This object is available in API version 36.0 and later. • `LoginEvent`—Represents a trackable user login event in your org. This object is available in API version 36.0 and later. • `ReportEvent`—Tracks when reports are run in your organization. This object is available in API version 42.0 and later.
`EventType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Indicates the type of event the policy monitors. Valid values are: • `AccessResource`—Notifies you when the selected resource has been accessed. • `AuditTrail`—Reserved for future use. • `DataExport`—Notifies you when any API query is made, such as from the Data Loader API client, or when a Report export occurs. • `Entity`—Notifies you on use of an object type such as an authentication provider or chatter post. • `Login`—Notifies you when a user logs in.
`ExecutionUserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description The ID of the user whose context will be established to execute the Apex policy. This user must be active and assigned the System Administrator profile.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The policy's name.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ResourceName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A resource used to narrow down the conditions under which the policy triggers. For example, with a `DataExport` event, you can select a resource Lead to specifically monitor export activity occurring on your Lead entities. The resources available depend on the `EventType` field.
`State`	**Type** picklist

Field	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates whether the policy is active. Valid values are: • `Disabled` • `Enabled`
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of validation that the policy uses. The valid values are: • `CustomApexPolicy`— Created with Apex editor. • `CustomConditionBuilderPolicy`— Created with Condition Builder .

TwoFactorInfo

Stores a user's secret for two-factor operations. Use this object when customizing two-factor authentication in your organization. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

You need the "Manage Two-Factor Authentication in API" permission to create or update this object.

Fields

Field Name	Details
`SharedKey`	**Type** string **Properties** Create, Group, Sort, Update

Field Name	Details
	Description This field is never read-enabled, though it is write-enabled. A request for this value always returns `null`. The value must be a base32-encoded string of a 20-byte secret. You can use the Apex method `Auth.SessionManagement.getQrCode()` to get a value to write to this field. Note: If you write a secret to this field, in API version 37.0 and later the user gets an email notification that a new identity verification method was added to the user's account.
`Type`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The two-factor method. • `TOTP`—The time-based one-time password.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID for the user who's associated with the authentication secret.

TwoFactorMethodsInfo

Stores information about which identity verification methods a user has registered. This object is available in API version 37.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Special Access Rules

You need the "Manage Two-Factor Authentication in API" permission to access this object.

Fields

Field Name	Details
ExternalId	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A unique system-generated numerical identifier for the user.
HasSalesforceAuthenticator	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has connected the Salesforce Authenticator mobile app. The user can verify identity by approving a notification sent to the app. If the user sets a trusted location in the app, Salesforce Authenticator verifies automatically when the user is in the trusted location.
HasTempCode	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has a temporary verification code generated by a Salesforce admin or user with "Manage Two-Factor Authentication in User Interface" permission.
HasTotp	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has connected an authenticator app that generates verification codes, also known as time-based one-time passwords (TOTP). The user can verify identity by entering a code generated by the app.
HasU2F	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field Name	Details
	Description If `true`, the user has registered a U2F security key. The user can verify identity by inserting the security key into a USB port to generate credentials.
`HasUserVerifiedEmailAddress`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has self-registered and verified an email address. This parameter is available in API version 43 and later.
`HasUserVerifiedMobileNumber`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has self-registered and verified a mobile phone number. Salesforce can text a verification code to the user at that number. This parameter is available in API version 43 and later.
`HasVerifiedMobileNumber`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the user has a mobile phone number that was added by an administrator or self-registered by the user. Salesforce can text a verification code to the user at that number.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the user who's associated with the identity verification methods.

TwoFactorTempCode

Stores information about a user's temporary identity verification code. This object is available in API version 37.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

You need the "Manage Two-Factor Authentication in API" permission to access this object.

Fields

Field Name	Details
`Expiration`	**Type** dateTime **Properties** Filter, Sort **Description** The date and time when the temporary verification code expires. The code expires in 1 to 24 hours after it's generated. Salesforce admins and non-admin users with the "Manage Two-Factor Authentication in User Interface" permission set the expiration time when generating the code.
`Identifier`	**Type** string **Properties** Filter, Group, Sort **Description** The unique identifier for the temporary code. This is a required field that can take any value.
`TempCode`	**Type** encryptedstring **Description** A request for this value always returns `null`.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID for the user who's associated with the temporary verification code.

UndecidedEventRelation

Represents invitees with the status `Not Responded` for a given event. This object is available in API versions 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`EventId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the event.
`RelationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** Indicates the ID of the invitee.
`RespondedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** This field is always `null`.
`Response`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** Indicates the content of the response field. Label is `Comment`.
`Type`	**Type** string

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** Indicates whether the invitee is a user, lead or contact, or resource.

Usage

Query invitees who have not responded to an invitation to an event

```
SELECT eventId, type, response FROM UndecidedEventRelation WHERE
eventid='00UTD000000ZH5LA'
```

SEE ALSO:

AcceptedEventRelation

DeclinedEventRelation

User

Represents a user in your organization.

Supported Calls

`create()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

- To create or update a User record, you must have the "Manage Internal Users" permission. Additionally, if the user is a Customer Portal user, you must have the "Edit Self-Service Users" permission, and if the user is a partner portal user, you must have the "Manage External Users" permission.
- If Communities is enabled in your organization, to create or update external users for Customer Portal, partner portal, or Communities, you must also have the "Manage External Users" permission.
- Information in hidden fields in a user's profile is not searchable by external users (with a portal profile) in a community. For example, if a user in a community has a hidden email address and an external user searches for it, the user record is not returned in the search results. Hidden field values are also not returned when external users perform searches on non-hidden fields. So if an external user searches for a user's name (cannot be hidden), any hidden field values associated with the user record (for example, a hidden email address) are not returned in the search results.

  Internal users from your organization who belong to the same community, however, can both search for and view hidden field values in search results.
- When requested by portal users, queries that look up to the User object, such as `owner.name` or `owner.email` might not return values when the portal user making the request doesn't have Read access to the User record being queried.

The behavior depends on the number of domains associated with the lookup field. If the object can look up to more than one domain, `owner.name` returns a value, but other detail fields don't. For example, Case owner can look up to the User or Queue objects. In this case, portal users can see only the value of `owner.name`. Other User detail fields, such as `owner.email` or `owner.phone` don't return a value.

If the object can look up to only a single domain, such as Account owner, then no detail fields return values, including `owner.name`.

- Changing ownership of a record by updating its `OwnerId` field requires the user making the change to have both the "Transfer Record" permission and Read access to the User record of the new record owner.

Fields

Field	Details
`AboutMe`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Information about the user, such as areas of interest or skills. This field is available even if Chatter is disabled.
`AccountId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the Account associated with a Customer Portal user. This field is null for Salesforce users.
`Address` (beta)	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
`Alias`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The user's alias. For example, `jsmith`.

Field	Details
BadgeText	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The text description of a user badge that appears over a user’s photo. Users of the same Chatter user type (internal, external) are badged. Different user types are not badged.
BannerPhotoUrl	**Type** string **Properties** Filter, Nillable, Sort **Description** The URL for the user's banner photo. This field is available in API version 36.0 and later.
CallCenterId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** If Salesforce CRM Call Center is enabled, represents the call center to which this user is assigned.
City	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city associated with the user. Up to 40 characters allowed.
CommunityNickname	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Name used to identify this user in the Community application, which includes the ideas and answers features.
CompanyName	**Type** string

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The name of the user's company.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the Contact associated with this account. The contact must have a value in the `AccountId` field or an error occurs.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The country associated with the user. Up to 80 characters allowed.
`CountryCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO country code associated with the user.
`CurrentStatus`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Text that describes what the user is working on. Note: If you update this field, the API automatically adds a post of type `UserStatus` on the user's profile in Chatter. This field is deprecated in API version 25.0. To achieve similar behavior, post to the user directly by creating a FeedItem with the user's ParentId.
`DefaultCurrencyIsoCode`	**Type** picklist

Field	Details
	Properties Create, Defaulted on create, Filter, Nillable, Restricted picklist, Update **Description** The user's default currency setting for new records. For example, a user in France could have a `DefaultCurrencyIsoCode` set to Euros, and that would be their default currency in the application. Only applicable for organizations that use multiple currencies.
`DefaultDivision`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** This record’s default division. Only applicable if divisions are enabled for your organization.
`DefaultGroupNotificationFrequency`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Required. The default frequency for sending the user's Chatter group email notifications when the user joins groups. The valid values are: • `P`—Email on every post • `D`—Daily digests • `W`—Weekly digests • `N`—Never The default value is `N`. For Professional, Enterprise, Unlimited, and Developer Edition organizations that existed prior to API version 22.0, the default value remains `D`. This field is available in API version 21.0 and later.
`DelegatedApproverId`	**Type** reference **Properties** Create, Filter, Group, Nillable,Sort, Update **Description** Id of the user who is a delegated approver for this user.

Field	Details
Department	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The company department associated with the user.
DigestFrequency	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Required. The frequency at which the system sends the user's Chatter personal email digest. The valid values are: • D = Daily • W = Weekly • N = Never The default value is D.
Division	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The division associated with this user, similar to Department and unrelated to DefaultDivision.
Email	**Type** email **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Required. The user's email address.
EmailEncodingKey	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field	Details
	Description Required. The email encoding for the user, such as `ISO-8859-1` or `UTF-8`.
`EmailPreferencesAutoBcc`	**Type** boolean **Properties** Create, Filter, Update **Description** Determines whether the user receives copies of sent emails. This option applies only if compliance BCC emails are not enabled.
`EmployeeNumber`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's employee number.
`Extension`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's phone extension number.
`Fax`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's fax number.
`FederationIdentifier`	**Type** string **Properties** Create, Filter, idLookup, Nillable, Sort, Update **Description** Indicates the value that must be listed in the `Subject` element of a Security Assertion Markup Language (SAML) *IDP certificate* to authenticate the user for a client application using single sign-on. This value must be specified if the `SAML User ID Type` is Assertion

Field	Details
	contains Federation ID from the User record. Otherwise, this field can't be edited.
`FirstName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's first name.
`ForecastEnabled`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the user is enabled as a Forecast Manager (`true`) or not (`false`) in customizable forecasting. Forecast managers see forecast rollups from users below them in the forecast hierarchy.
`FullPhotoUrl`	**Type** string **Properties** Filter, Nillable, Sort **Description** The URL for the user's profile photo. This field is available even if Chatter is disabled. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo. This field is available in API version 20.0 and later.
`GeocodeAccuracy`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. A geocoding service typically provides this value based on the address's latitude and longitude coordinates.

Field	Details
IndividualId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the data privacy record associated with this user. This field is available if Data Protection and Privacy is enabled.
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the user has access to log in (`true`) or not (`false`). You can modify a User's active status from the user interface or via the API.
IsPartner	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the user is a partner who has access to the partner portal (`true`) or not (`false`). This field is not available for release 9.0 and later. Instead, use `UserType` with the value `Partner` or `Power Partner`.
IsPortalEnabled	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the user has access to Communities or portals (`true`) or not (`false`). This field is only available if one of the following conditions is true: • Communities are enabled in your organization and you have community or portal user licenses • Portals are enabled in your organization
IsPortalSelfRegistered	**Type** boolean

Field	Details
	Properties Create, Defaulted on create, Filter, Group, Sort **Description** Indicates whether the user is a Customer Portal user who self-registered for your organization's Customer Portal (`true`) or not (`false`). This field is not available for release 9.0 and earlier.
`IsPrmSuperUser`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Available for partner portal users only. Indicates whether the user has super user access in the partner portal (`true`) or not (`false`). This field is available in API version 24.0 and later. Note: This field is not automatically enabled. Contact Salesforce to enable this field.
`IsProfilePhotoActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user has a profile photo (`true`) or not (`false`). This field is available in API version 36.0 and later.
`JigsawImportLimitOverride`	**Type** int **Properties** Create, Filter, Group Nillable, Sort, Update **Description** The Data.com user's monthly addition limit. The value must be between zero and the organization's monthly addition limit. Label is **Data.com Monthly Addition Limit**. This field is available in API version 27.0 and later.
`LanguageLocaleKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field	Details
	Description Required. The user's language, such as "French" or "Chinese (Traditional)." Label is **Language**.
`LastLoginDate`	**Type** dateTime **Properties** Filter, Sort, Nillable **Description** The date and time when the user last successfully logged in. This value is updated if 60 seconds have elapsed since the user's last login.
`LastName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. The user's last name.
`LastReferencedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed a record related to this record.
`LastViewedDate`	**Type** date **Properties** Filter, Nillable, Sort, Update **Description** The timestamp for when the current user last viewed this record. If this value is null, this record might only have been referenced (`LastReferencedDate`) and not viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field	Details
	Description Used with `Longitude` to specify the precise geolocation of an address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`LocaleSidKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. This field is a restricted picklist field. The value of the field affects formatting and parsing of values, especially numeric values, in the user interface. It does not affect the API. The field values are named according to the language, and country if necessary, using two-letter ISO codes. The set of names is based on the ISO standard. It can often be more convenient to manually set a user's locale in the user interface, and then use that value for inserting or updating other users via the API.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Latitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`Manager`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** User lookup field used to select the user's manager. This establishes a hierarchical relationship, preventing you from selecting a user that directly or indirectly reports to itself.
`ManagerId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field	Details
	Description The Id of the user who manages this user.
`MediumBannerPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for the medium sized user profile banner photo.
`MiddleName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's middle name. Maximum size is 40 characters. Contact Salesforce Customer Support to enable this field.
`MobilePhone`	**Type** phone **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's mobile or cellular phone number.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName` and `LastName`. Limited to 121 characters.
`OfflineTrialExpirationDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time when the user's Connect Offline trial expires.
`Phone`	**Type** phone

Field	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The user's phone number.
PortalRole	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The role of the user in the Customer Portal (either Executive, Manager, User, or PersonAcount). Prior to API version 16.0, you could set this field to null and the system automatically included a portal role. In API version 16.0 and above, when you set this field to null, a portal role is not automatically created. When this field is null and a ContactId is provided, the user is assigned to the User role. The Update property is available in API version 43.0 and later. The field is available if Customer Portal is enabled OR Communities is enabled and have available partner portal, Customer Portal, or High-Volume Portal User licenses.
PostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's postal or ZIP code. Label is **Zip/Postal Code**.
ProfileId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Required. ID of the user's Profile. Use this value to cache metadata based on profile. In earlier releases, this was RoleId.
ReceivesAdminInfoEmails	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Indicates whether the user receives email for administrators from Salesforce (`true`) or not (`false`).
`ReceivesInfoEmails`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the user receives informational email from Salesforce (`true`) or not (`false`).
`SenderEmail`	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The email address used as the From address when the user sends emails. This is the same value shown in Setup on the My Email Settings page.
`SenderName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The name used as the email sender when the user sends emails. This is the same value shown in Setup on the My Email Settings page.
`Signature`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The signature text added to emails. This is the same value shown in Setup on the My Email Settings page.
`SmallBannerPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for the small user profile banner photo.

Field	Details
SmallPhotoUrl	**Type** string **Properties** Filter, Nillable, Sort **Description** The URL for a thumbnail of the user's profile photo. This field is available even if Chatter is disabled. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo. This field is available in API version 20.0 and later.
State	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state associated with the User. Up to 80 characters allowed.
StateCode	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ISO state code associated with the user.
Street	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street address associated with the User.
Suffix	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user’s name suffix. Maximum size is 40 characters. Contact Salesforce Customer Support to enable this field.

Field	Details
`TimeZoneSidKey`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. This field is a restricted picklist field. A User time zone affects the offset used when displaying or entering times in the user interface. However, the API does not use a User time zone when querying or setting values. Values for this field are named using region and key city, according to ISO standards. It can often be more convenient to manually set one User time zone in the user interface, and then use that value for creating or updating other User records via the API.
`Title`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user's business title, such as "Vice President."
`Username`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Required. Contains the name that a user enters to log in to the API or the user interface. The value for this field must be in the form of an email address, and all characters should be lowercase. It must also be unique across all organizations. If you try to create or update a User with a duplicate value for this field, the operation is rejected. Each inserted User also counts as a license. Every organization has a maximum number of licenses. If you attempt to exceed the maximum number of licenses by inserting User records, the create is rejected.
`UserPermissionsCallCenterAutoLogin`	**Type** boolean **Properties** Create, Filter, Update **Description** Required if Salesforce CRM Call Center is enabled. Indicates whether the user is enabled to use the auto login feature of the call center (`true`) or not (`false`).

Field	Details
UserPermissionsChatterAnswersUser	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the portal user is enabled to use the Chatter Answers feature (`true`) or not (`false`). This field defaults to `false` when a Customer Portal user is created from the API.
UserPermissionsInteractionUser	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user can run flows or not. Label is **Lightning Platform Flow User**.
UserPermissionsJigsawProspectingUser	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user is allocated one Data.com user license (`true`) or not (`false`). The Data.com user license lets the user add Data.com contact and lead records to Salesforce in supported editions. Label is **Data.com User**.
UserPermissionsKnowledgeUser	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user is enabled to use Salesforce Knowledge (`true`) or not (`false`). Label is **Knowledge User**.
UserPermissionsLiveAgentUser	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user is enabled to use Live Agent (`true`) or not (`false`). Label is **Live Agent User**.

Field	Details
`UserPermissionsMarketingUser`	**Type** boolean **Properties** Create, Filter, Update **Description** Required. Indicates whether the user is enabled to manage campaigns in the user interface (`true`) or not (`false`). Label is **Marketing User**.
`UserPermissionsOfflineUser`	**Type** boolean **Properties** Create, Filter, Update **Description** Required. Indicates whether the user is enabled to use Offline Edition (`true`) or not (`false`). Label is **Offline User**.
`UserPermissionsSFContentUser`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user is allocated one Salesforce CRM Content User License (`true`) or not (`false`). Label is **Salesforce CRM Content User**. The Salesforce CRM Content User license grants the user access to the Salesforce CRM Content application.
`UserPermissionsSiteforceContributorUser`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the user is allocated one Site.com Contributor feature license (`true`) or not (`false`). Label is **Site.com Contributor User**. The Site.com Contributor feature license grants the user access to the Site.com application. Users with a Contributor license can use Site.com Studio to edit site content only.
`UserPermissionsSiteforcePublisherUser`	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description Indicates whether the user is allocated one Site.com Publisher feature license (`true`) or not (`false`). Label is **Site.com Publisher User**. The Site.com Publisher feature license grants the user access to the Site.com application. Users with a Publisher license can build and style websites, control the layout and functionality of pages and page elements, and add and edit content.
`UserPermissionsSupportUser`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the user can use the Salesforce console.
`UserPermissionsWirelessUser`	**Type** boolean **Properties** Create, Update **Description** Required if the Wireless permission is enabled for your organization. Indicates whether the user is enabled to use Wireless Edition (`true`) or not (`false`). Label is **Wireless User**. Note: As of November 2005, Salesforce Wireless Edition is no longer available for purchase. If you are a Professional Edition customer and purchased Wireless Edition prior to November 7, 2005 or are an Enterprise Edition customer who has signed or renewed your Salesforce contract prior to November 7, 2005, you may continue using Wireless Edition through the end of your existing contract term.
`UserPermissionsWorkDotComUserFeature`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates whether the Work.com feature is enabled for the user (`true`) or not (`false`).
`UserPreferencesActivityRemindersPopup`	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description When `true`, a reminder popup window automatically opens when an activity reminder is due. Corresponds to the `Trigger alert when reminder comes due` checkbox at the Reminders page in the personal settings in the user interface.
`UserPreferencesApexPagesDeveloperMode`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, indicates the user has enabled developer mode for editing Visualforce pages and controllers.
`UserPreferencesContentEmailAsAndWhen`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, a user with Salesforce CRM Content subscriptions receives a once daily email summary if activity occurs on his or her subscribed content, libraries, tags, or authors. To receive email, the `UserPreferencesContentNoEmail` field must also be `false`. The default value is `false`. Note: This field is only visible when Salesforce CRM Content is enabled for your organization.
`UserPreferencesContentNoEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, a user with Salesforce CRM Content subscriptions receives email notifications if activity occurs on his or her subscribed content, libraries, tags, or authors. To receive real-time email alerts, set this field to `false` and set the `UserPreferencesContentEmailAsAndWhen` field to `true`. The default value is `false`. Note: This field is only visible when Salesforce CRM Content is enabled for your organization.

Field	Details
UserPreferencesEnableAutoSubForFeeds	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the user automatically subscribes to feeds for any objects that the user creates. This field is available in API version 25.0 and later.
UserPreferencesDisableAllFeedsEmail	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email for all updates to Chatter feeds, based on the types of feed emails and digests the user has enabled. This field is available in API version 24.0 and later.
UserPreferencesDisableAutoSubForFeeds	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically subscribes to feeds for any objects that the user creates. This field is deprecated in API version 25.0 and later. Starting with API version 25.0, use `UserPreferencesEnableAutoSubForFeeds` to enable or disable auto-follow for objects a user creates.
UserPreferencesDisableBookmarkEmail	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone comments on a Chatter feed item after the user has bookmarked it. This field is available in API version 24.0 and later.
UserPreferencesDisableChangeCommentEmail	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description When `false`, the user automatically receives email every time someone comments on a change the user has made, such as an update to their profile. This field is available in API version 24.0 and later.
`UserPreferencesDisableEndorsementEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the member automatically receives email every time someone endorses them for a topic.
`UserPreferencesDisableFileShareNotificationsForApi`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, email notifications are sent from the person who has shared a file to the users with whom the file has been shared. This field is available in API version 25.0 and later.
`UserPreferencesDisableFollowersEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone starts following the user in Chatter.This field is available in API version 24.0 and later.
`UserPreferencesDisableLaterCommentEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone comments on a feed item after the user has commented on the feed item. This field is available in API version 24.0 and later.
`UserPreferencesDisableLikeEmail`	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone likes a post or comment the user has made. This field is available in API version 24.0 and later.
`UserPreferencesDisableMentionsPostEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time the user is mentioned in posts. This field is available in API version 24.0 and later.
`UserPreferencesDisableProfilePostEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone posts to the user's profile. This field is available in API version 24.0 and later.
`UserPreferencesDisableSharePostEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time the user's post is shared. This field is available in API version 24.0 and later.
`UserPreferencesDisableFeedbackEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives emails related to Work.com feedback. This includes when someone requests or offers feedback, shares feedback with the user, or reminds the user to answer a feedback request.

Field	Details
`UserPreferencesDisCommentAfterLikeEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone comments on a post the user has liked. This field is available in API version 24.0 and later.
`UserPreferencesDisMentionsCommentEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time the user is mentioned in comments. This field is available in API version 24.0 and later.
`UserPreferencesDisableMessageEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email for Chatter messages sent to the user. This field is available in API version 24.0 and later.
`UserPreferencesDisableRewardEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives emails related to Work.com rewards. This includes when someone gives a reward to the user.
`UserPreferencesDisableWorkEmail`	**Type** boolean **Properties** Filter

Field	Details
	Description When `false`, the user receives emails related to Work.com feedback, goals, and coaching. The user must also sign up for individual emails listed on the Work.com email settings page. When `true`, the user doesn't receive any emails related to Work.com feedback, goals, or coaching even if they are signed up for individual emails.
`UserPreferencesDisProfPostCommentEmail`	**Type** boolean **Properties** Create, Filter, Update **Description** When `false`, the user automatically receives email every time someone comments on posts on the user's profile. This field is available in API version 24.0 and later.
`UserPreferencesEventRemindersCheckboxDefault`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, a reminder popup is automatically set on the user's events. Corresponds to the `By default, set reminder on Events to...` checkbox on the Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.
`UserPreferencesHideBiggerPhotoCallout`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, users can choose to hide the callout text below the large profile photo.
`UserPreferencesHideChatterOnboardingSplash`	**Type** boolean **Properties** Filter **Description** When `true`, the initial Chatter onboarding prompts do not appear.

Field	Details
UserPreferencesHideCSNDesktopTask	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the Chatter recommendations panel never displays the recommendation to install Chatter Desktop. This field is available in API version 26.0 and later.
UserPreferencesHideCSNGetChatterMobileTask	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the Chatter recommendations panel never displays the recommendation to install Chatter Mobile. This field is available in API version 26.0 and later.
UserPreferencesHideEndUserOnboardingAssistantModal	**Type** boolean **Properties** CreateFilterUpdate **Description** Reserved for future use.
UserPreferencesHideLightningMigrationModal	**Type** boolean **Properties** CreateFilterUpdate **Description** Reserved for future use.
UserPreferencesHideSecondChatterOnboardingSplash	**Type** boolean **Properties** Filter **Description** When `true`, the secondary Chatter onboarding prompts do not appear.
UserPreferencesHideS1BrowserUI	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Controls the interface that the user sees when logging in to Salesforce from a supported mobile browser. If `false`, the user is automatically redirected to the Salesforce mobile web. If `true`, the user sees the full Salesforce site. The default value is `false`. Label is **Salesforce User**. This field is available in API version 29.0 or later.
`UserPreferencesHideSfxWelcomeMat`	**Type** boolean **Properties** CreateFilterUpdate **Description** Controls whether a user sees the Lightning Experience new user message. That message welcomes users to the new interface and provides step-by-step instructions that describe how to return to Salesforce Classic.
`UserPreferencesJigsawListUser`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the user is a Data.com List user and, therefore, shares record additions from a pool. UserPermissionsJigsawProspectingUser must also be set to `true`. Label is **Data.com List User**. This field is available in API version 27.0 and later.
`UserPreferencesLightningExperiencePreferred`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, redirects the user to the Lightning Experience interface. Label is **Switch to Lightning Experience**. This field is available in API version 35.0 and later.
`UserPreferencesOptOutOfTouch`	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description This field is deprecated in API version 29.0. When `false`, the user automatically accesses the Salesforce Touch app when logging in to Salesforce from an iPad. If `true`, automatic access to the Salesforce Touch app is turned off and the user's iPad is directed to the full Salesforce site instead. The default value is `false`. Note: Salesforce Touch must be enabled before this field is visible.
`UserPreferencesPathAssistantCollapsed`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, Sales Path appears collapsed or hidden to the user. This field is available in API version 35.0 and later.
`UserPreferencesProcessAssistantCollapsed`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, Sales Path appears collapsed or hidden to the user. This field is available in API versions 33.0 and 34.0 only. In API versions 35.0 and later, use `UserPreferencesPathAssistantCollapsed`.
`UserPreferencesReminderSoundOff`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, a sound automatically plays when an activity reminder is due. Corresponds to the `Play a reminder sound` checkbox on the Reminders page in the user interface.
`UserPreferencesShowCityToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the city field in the user's contact information. City is visible only to internal members of the user's organization when:

Field	Details
	• This field is `false`. When `false`, this field returns the value `#N/A`. City is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowCityToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowCityToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the city field in the user's contact information. When `true`, city is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowCityToExternalUsers`, making the user's city visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowCountryToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the country field in the user's contact information. Country is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Country is visible to external members in a community when: • This field is `true`, or

Field	Details
	• This field is `false` but `UserPreferencesShowCountryToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
UserPreferencesShowCountryToGuestUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the country field in the user's contact information. When `true`, country is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowCountryToExternalUsers`, making the user's country visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
UserPreferencesShowEmailToExternalUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the email address field in the user's contact information. Email address is visible only to internal members of the user's organization when this field is `false`. Email address is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
UserPreferencesShowEmailToGuestUsers	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description Indicates the visibility of the email address field in the user's contact information. When `true`, the email address is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowEmailToExternalUsers`, making the user's email address visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.
`UserPreferencesShowFaxToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the fax number field in the user's contact information. Fax number is visible only to internal members of the user's organization when this field is `false`. Fax number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowFaxToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the fax number field in the user's contact information. When `true`, the fax number field is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowFaxToExternalUsers`, making the user's fax number visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.
`UserPreferencesShowManagerToExternalUsers`	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Indicates the visibility of the manager field in the user's contact information. Manager is visible only to internal members of the user's organization when this field is `false`. Manager is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowManagerToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the manager field in the user's contact information. When `true`, the manager field is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowManagerToExternalUsers`, making the user's manager visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.
`UserPreferencesShowMobilePhoneToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the mobile or cellular phone number field in the user's contact information. The number is visible only to internal members of the user's organization when this field is `false`. The number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowMobilePhoneToGuestUsers`	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Indicates the visibility of the mobile phone field in the user's contact information. When `true`, the mobile phone field is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowMobilePhoneToExternalUsers`, making the user's mobile phone visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.
`UserPreferencesShowPostalCodeToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the postal or ZIP code field in the user's contact information. Postal code is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Postal code is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowPostalCodeToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowPostalCodeToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the postal or ZIP code field in the user's contact information. When `true`, postal code is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages

Field	Details
	in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowPostalCodeToExternalUsers`, making the user's postal code visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowProfilePicToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the user's profile photo. When `true`, the photo is visible to guest users in a community. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the stock photo. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowStateToExternalUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the state field in the user's contact information. State is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. State is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowStateToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowStateToGuestUsers`	**Type** boolean

Field	Details
	Properties Create, Filter, Update **Description** Indicates the visibility of the state field in the user's contact information. When `true`, state is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowStateToExternalUsers`, making the user's state visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
UserPreferencesShowStreetAddressToExternalUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the street address field in the user's contact information. The address is visible only to internal members of the user's organization when this field is `false`. The address is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
UserPreferencesShowStreetAddressToGuestUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the street address field in the user's contact information. When `true`, the street address field is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowStreetAddressToExternalUsers`, making the user's street address visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.

Field	Details
UserPreferencesShowTitleToExternalUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the business title field in the user's contact information. Title is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Title is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowTitleToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `true`. This field is available in API version 26.0 and later.
UserPreferencesShowTitleToGuestUsers	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the business title field in the user's contact information. When `true`, title is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowTitleToExternalUsers`, making the user's title visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
UserPreferencesShowWorkPhoneToExternalUsers	**Type** boolean **Properties** Create, Filter, Update

Field	Details
	Description Indicates the visibility of the work phone number field in the user's contact information. The number is visible only to internal members of the user's organization when this field is `false`. The number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowWorkPhoneToGuestUsers`	**Type** boolean **Properties** Create, Filter, Update **Description** Indicates the visibility of the work phone field in the user's contact information. When `true`, the work phone field is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `true`, this field overrides the value `false` in `UserPreferencesShowWorkPhoneToExternalUsers`, making the user's work phone visible to guests. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 34.0 and later.
`UserPreferencesSortFeedByComment`	**Type** boolean **Properties** Create, Filter, Update **Description** Specifies the data value used in sorting a user's feed. When `true`, the feed is sorted by most recent comment activity. When `false`, the feed is sorted by post date.
`UserPreferencesSuppressEventSFXReminders`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, event reminders don't appear. Corresponds to the **Show event reminders in Lightning Experience** checkbox on the Activity

Field	Details
	Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.
`UserPreferencesSuppressTaskSFXReminders`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, task reminders don't appear. Corresponds to the **Show task reminders in Lightning Experience**. checkbox on the Activity Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.
`UserPreferencesTaskRemindersCheckboxDefault`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, a reminder popup is automatically set on the user's tasks. Corresponds to the `By default, set reminder on Tasks to...` checkbox on the Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.
`UserPreferencesUserDebugModePref`	**Type** boolean **Properties** Create, Filter, Update **Description** When `true`, the Lightning Component framework executes in debug mode for the user. Corresponds to the `Debug Mode` checkbox on the Advanced User Details page of personal settings in the user interface.
`UserRoleId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the user's UserRole. Label is **Role ID**.
`UserType`	**Type** picklist **Properties** Filter, Group, Nillable, Sort, Restricted picklist

Field	Details
	Description The category of user license. Each `UserType` is associated with one or more UserLicense records. Each UserLicense is associated with one or more profiles. In API version 10.0 and later, valid values include: • Standard: user license. This user type also includes Salesforce Platform and Salesforce Platform One user licenses. Label is **Standard**. • PowerPartner: User whose access is limited because he or she is a partner and typically accesses the application through a partner portal or community. Label is **Partner**. • CSPLitePortal: user whose access is limited because he or she is an organization's customer and accesses the application through aCustomer Portal or community. Label is **High Volume Portal**. • CustomerSuccess: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal User**. • PowerCustomerSuccess: user whose access is limited because he or she is an organization's customer and accesses the application through a Customer Portal. Label is **Customer Portal Manager**. Users with this license type can view and edit data they directly own or data owned by or shared with users below them in the Customer Portal role hierarchy. • CsnOnly: user whose access to the application is limited to Chatter. This user type includes Chatter Free and Chatter moderator users. Label is **Chatter Free**.
`WirelessEmail`	**Type** email **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Wireless email address associated with this user. For use with Salesforce Wireless Edition. This field is available only if the Wireless and Email permissions are enabled for your organization. Note: As of November 2005, Salesforce Wireless Edition is no longer available for purchase. If you are a Professional Edition customer and purchased Wireless Edition prior to November 7, 2005 or are an Enterprise Edition customer who has signed or renewed your Salesforce contract prior to November 7, 2005, you may continue using Wireless Edition through the end of your existing contract term.

Usage

Use this object to query information about users and to provision and modify users in your organization. Unlike other objects, the records in the User table represent actual users—not data owned by users. Any user can query or describe User records.

For example, the following SOQL code finds users with a particular user role.

```
SELECT Id, Username
FROM User
WHERE UserRoleId='00ED0000000xicT'
```

Each portal user is associated with a portal account. A portal account can have a maximum of three portal roles (Executive, Manager, and User). You can select the default number of roles to be created from the user interface. The role hierarchy is maintained when you insert and delete portal roles, and roles are created bottom-up. Deleting the User role causes the Manager role to be renamed to User role. Deleting both the Executive and User roles causes the Manager role to be renamed to User role. Before deleting a role, you must assign users under that role to another role.

Deactivate Users

You can't delete a user in the user interface or the API. You can deactivate a user in the user interface; and you can deactivate or disable a Customer Portal or partner portal user in the user interface or the API. Because users can never be deleted, we recommend that you exercise caution when creating them.

If you deactivate a user, any EntitySubscription where the user is associated with the ParentId or SubscriberId field, meaning all subscriptions both to and from the user, are soft deleted. If the user is reactivated, the subscriptions are restored. However, if you deactivate multiple users at once and these users follow each other, their subscriptions are hard deleted. In this case, the user-to-user EntitySubscription is deleted twice (double deleted). Such subscriptions can't be restored upon user reactivation.

Passwords

For security reasons, you can't query User passwords via the API or the user interface. However, the API allows you to set and "reset" User passwords using the `setPassword()` and `resetPassword()` calls. The password lockout status and the ability to reset the User locked-out status is not available via the API. You must check and reset the User password lockout status using the user interface.

SEE ALSO:

UserRole

UserLicense

UserAccountTeamMember

Represents a User on the default account team of another User.

See also OpportunityTeamMember, which represents a User on the opportunity team of an Opportunity

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`AccountAccessLevel`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Required. For Account records that the user has added to his or her default account team, the level of access the account team member has. . The possible values are: • `Read` • `Edit` This field must be set to an access level that is higher than the organization’s default access level for accounts.
`CaseAccessLevel`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Required. Level of access that the account team member has to Case records related to the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is higher than the organization's default access level for cases.
`ContactAccessLevel`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Required. ForContact records related to the account, the level of access that the account team member has. The possible values are: • `None` • `Read` • `Edit`

Field	Details
	This field must be set to an access level that is higher than the organization's default access level for contacts. **Note:** When `DefaultContactAccess` is set to `Controlled by Parent`, you can't create or update this field.
`OpportunityAccessLevel`	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Required. Level of access that the team member has to Opportunity records related to the account. The possible values are: • `None` • `Read` • `Edit` This field must be set to an access level that is higher than the organization's default access level for opportunities.
`OwnerId`	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who owns the default account team.
`TeamMemberRole`	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Role that the team member has on opportunities for which the user has added his or her default account team. The valid values are set by the organization's administrator in the Account Team Roles picklist. Label is **Team Role**.
`UserId`	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who is a member of the default account team. This field cannot be updated.

Usage

This object is available only in organizations that have enabled the account teams functionality, which can be done using the user interface.

If you attempt to create a record that matches an existing record, the create call updates any modified fields and returns the existing record.

You can set up a User record so the default account team includes the others who typically work with them on accounts.

UserAppInfo

Stores the last Lightning app logged in to. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`AppDefinitionId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the last Lightning app that the user logged in to. This field is available in API version 43.0 and later.
`FormFactor`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The relative size of the app as displayed. Values are: • Small—suitable for a small device like a mobile phone • Medium—suitable for a tablet • Large—suitable for a large display device, like a monitor It's possible to have three versions of the app as the one last logged in to, where each version has a different form factor.
`UserId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the user that used this app.

UserAppMenuCustomization

Represents an individual user's settings for items in the app menu or App Launcher. This object is available in API version 35.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`ApplicationId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The 15-character ID for the application associated with the menu item.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user for these specific settings.
`SortOrder`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The index value that controls where this item appears in the menu. For example, a menu item with a sort order value of 5 will appear between items with sort order values of 3 and 9.

Usage

See the AppMenuItem object for the organization-wide default settings This object contains the fields representing any changes the user made to the menu.

UserAppMenuCustomizationShare

Represents a sharing entry on a UserAppMenuCustomization record. This object is available in API version 35.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing allowed. The possible values are: • `Read` • `Edit`
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Values may include: • `Manual`—The User or Group has access because a user with “All” access manually shared the UserAppMenuCustomization record with them.

Field Name	Details
	• `Owner`—The User is the owner of the UserAppMenuCustomization record or is in a role above the UserAppMenuCustomization record owner in the role hierarchy.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the UserAppMenuCustomization record.

UserAppMenuItem

Represents the organization-wide settings for items in the app menu or App Launcher that the requesting user has access to in Setup. This object is available in API version 35.0 and later.

Supported Calls

`describeLayout()`, `describeSObjects()`, `query()`, `search()`

Fields

Field Name	Details
`AppMenuItemId`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The 15-character ID for the menu item.
`ApplicationId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 15-character ID for the application associated with the menu item.

Field Name	Details
`Description`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** A description of this menu item.
`IconUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The icon for the menu item's application.
`InfoUrl`	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The URL for more information about the application.
`IsUsingAdminAuthorization`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the app is pre-authorized for certain users by the administrator.
`IsVisible`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** If `true`, the app is visible to the user.
`Label`	**Type** string **Properties** Group, Nillable

Field Name	Details
	Description The app's name.
LogoUrl	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The logo for the menu item's application. The default is the initials of the Label value.
MobileStartUrl	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The location mobile users are directed to after they've authenticated. This is only used with connected apps.
Name	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The API name of the item.
SortOrder	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The index value that controls where this item appears in the menu. For example, a menu item with a sort order value of 5 will appear between items with sort order values of 3 and 9.
StartUrl	**Type** url **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The location users are directed to after they've authenticated. For a connected app, this is the location specified by the `StartUrl`. Otherwise it's the application's default start page.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of application represented by this item. The types are: • ConnectedApplication • Network • ServiceProvider • TabSet
`UserSortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The index value that represents where the user set this item in the menu (or App Launcher). For example, an item with a sort order value of 5 will appear between items with sort order values of 3 and 9. This value is separate from SortOrder so you can create logic incorporating both values. For example, if you want the user-sorted items to appear first, followed by the organization order for the rest, use: `SELECT ApplicationId,SortOrder,UserSortOrder FROM AppMenuItem order by userSortOrder NULLS LAST, sortOrder NULLS LAST`

Usage

See the AppMenuItem object for the organization-wide default settings This object contains the fields the requesting user has permission to see.

UserConfigTransferButton

Represents the association between a Live Agent configuration and a live chat button. This association allows users associated with a specific configuration to transfer chats to a button queue.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`LiveChatButtonId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the live chat button that agents can transfer chats to.
`LiveChatUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the Live Agent configuration; agents associated with this configuration can transfer chats to the chat button indicated by the `LiveChatButtonId`.

UserConfigTransferSkill

Represents the association between a Live Agent configuration and a skill. This association allows users associated with a specific configuration to transfer chats to agents who have that skill.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`LiveChatUserConfigId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the Live Agent configuration; agents associated with this configuration can transfer chats to the chat button indicated by the `LiveChatButtonId`.
`SkillId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the skill group that agents can transfer chats to.

UserCustomBadge

Represents a custom badge for a user. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`BadgeType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of badge. Valid values are: • `Customer` • `Partner` • `Employee`
`CustomText`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Custom text for the badge.

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the community or org that the badge is in.

UserCustomBadgeLocalization

Represents the translated version of a custom badge for a user. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Special Access Rules

- Translation Workbench must be enabled for your org.
- Users with the “Customize Application” or “Manage Translation” permission can create or update UserCustomBadge translations.

Fields

Field Name	Details
`Language`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** The language the UserCustomBadge is translated into. This picklist contains these fully supported languages. • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi` • French: `fr` • German: `de`

Field Name	Details
	• Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th`
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the UserCustomBadge.
`Value`	**Type** string

Field Name	Details
	Properties Create, Filter, Sort, Update **Description** The translated text for the UserCustomBadge. Label is **Translation Text**.

UserDevice

Represents information unique to a device. Available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You must have View Devices enabled to see devices.

Fields

Field Name	Details
`BrowserType`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The browser used for login.
`DeviceNativeUid`	**Type** string **Properties** Filter, Group, idLookup, Nillable, Sort **Description** A unique string used to identify a mobile device.
`DeviceType`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort

Field Name	Details
	Description The device used to log in to Salesforce. The picklist options are: • Desktop • Tablet • iPad • iPhone • Phone • Unknown
IsVerified	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Reserved for future use.
LastLoginHistoryId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The most recent LoginHistory associated with the device.
Name	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** This field is system-generated and cannot be changed.
PlatformType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The operating system of the device. The picklist options are: • iOS • Android • OSX • Linux

Field Name	Details
	• Phone • Windows • AppleApp • Blackberry • Other
`Status`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The activity status of the device. The picklist options are: • Active • Revoked • New
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user.
`UserLastSeen`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date and time of the user's last access.

UserDeviceApplication

Represents information on applications installed on a device that is accessing Salesforce. Available in API version 43.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You must have View Devices enabled to see devices.

Fields

Field Name	Details
ApplicationType	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The type of application used to log in to Salesforce.
Name	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** This field is system-generated and cannot be changed.
Status	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The activity status of the device application. The picklist options are: • Active • Revoked • New
UserDeviceId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The unique identifier used to identify a device when tracking events. `UserDeviceId` is a generated value that's created when the mobile app is initially run after installation.
UserId	**Type** reference

Field Name	Details
	Properties Filter, Group, Sort **Description** The ID of the user.

UserFeed

Represents a single feed item in the feed displayed on a Chatter user profile feed. A user profile feed shows changes to a user record for fields that are tracked in feeds, and posts and comments about the record. This object is available in API version 18.0 and later.

A user feed shows recent changes to a user record for any fields that are tracked in feeds, and posts and comments about the record. It is a useful way to stay up-to-date with changes made to users in the organization.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

If you use the FeedComment object to comment on a user record, the user can delete the comment. For example, if John Smith makes a comment about Sasha Jones, Sasha can delete the comment.

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the User object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of UserFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.

Field	Details
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn't updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn't counted until it's approved by an admin or a person with "CanApproveFeedPostAndComment" or "ModifyAllData" permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator. The `ConnectionId` contains the ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.

Field	Details
ContentFileName	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
ContentSize	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
CreatedDate	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
FeedPostId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.

Field	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>`

Field	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community.

Field	Details
	• `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the user record. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging).

Field	Details
	For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object • `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.

Field	Details
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to track changes for a user record.

SEE ALSO:

User

EntitySubscription

NewsFeed

UserProfileFeed

UserLicense

Represents a user license in your organization. A user license entitles a user to specific functionality and determines the profiles and permission sets available to the user.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field	Details
LicenseDefinitionKey	**Type** string **Properties** Filter, Nillable **Description** A string that uniquely identifies a particular user license. Label is `License Def. ID`. Values are: **AUL**: corresponds to the Salesforce Platform user license **AUL1**: corresponds to the Salesforce Platform One user license **AUL_LIGHT** corresponds to the Salesforce Platform Light user license **FDC_ONE** corresponds to the Lightning Platform - One App user license **FDC_SUB** corresponds to the Lightning Platform App Subscription user license **High Volume Customer Portal_User**: corresponds to the High Volume Customer Portal user license **Overage_Platform_Portal_User** corresponds to the Overage Authenticated Website user license **PID_STRATEGIC_PRM**: corresponds to the Gold Partner user license **PID_CHATTER** corresponds to the Chatter Only user license **PID_CONTENT** corresponds to the Content Only user license **PID_Customer_Portal_Basic**: corresponds to the Customer Portal Manager Standard user license and the Customer Portal User license **PID_Customer_Portal_Standard**: corresponds to the Customer Portal Manager Custom user license **PID_FDC_FREE** corresponds to the Lightning Platform Free user license **PID_IDEAS** corresponds to the Ideas Only user license **PID_Ideas_Only_Portal** corresponds to the Ideas Only Portal user license **PID_Ideas_Only_Site** corresponds to the Ideas Only Site user license **PID_KNOWLEDGE** corresponds to the Knowledge Only user license **PID_Customer_Community** corresponds to the Customer Community license. **PID_Customer_Community_Login** corresponds to the Customer Community Login license. **PID_Partner_Community** corresponds to the Partner Community license. **PID_Partner_Community_Login** corresponds to the Partner Community Login license. **PID_Limited_Customer_Portal_Basic**: corresponds to the Limited Customer Portal Manager Standard user license

Field	Details
	PID_Limited_Customer_Portal_Standard: corresponds to the Limited Customer Portal Manager Custom user license **PID_Overage_Customer_Portal_Basic**: corresponds to the Overage Customer Portal Manager Standard user license **PID_Overage_High Volume Customer Portal** corresponds to the Overage High Volume Customer Portal user license **Platform_Portal_User**: corresponds to the Authenticated Website user license **POWER_PRM**: corresponds to the Partner user license **POWER_SSP**: corresponds to the Customer Portal Manager user license **SFDC**: corresponds to the Full CRM user license
`MasterLabel`	**Type** string **Properties** Filter, Group, Sort **Description** The user license label. This field is available in API version 32.0 and later.
`MonthlyLoginsEntitlement`	**Type** int **Properties** Filter, Nillable **Description** The maximum number of customer or partner portal logins allowed per month. A `null` value in this field means the user license is charged according to the number of users rather than the number of logins. This field is available in API version 20.0 and later.
`MonthlyLoginsUsed`	**Type** int **Properties** Nillable **Description** The number of successful logins for all users associated with a customer or partner portal user license. This field has a non-`null` value if `MonthlyLoginsEntitlement` has a non-`null` value. This field is available in API version 20.0 and later.
`Name`	**Type** string

Field	Details
	Properties Filter, Group, Sort **Description** The internal name of the user license. Note: Your organization may also include custom user licenses.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The current status of the user license. Valid values for this field are `Active` and `Disabled`. This field is available in API version 32.0 and later.
`TotalLicenses`	**Type** int **Properties** Filter, Group, Sort **Description** The number of user licenses in the organization. This field is available in API version 32.0 and later.
`UsedLicenses`	**Type** int **Properties** Filter, Group, Sort **Description** The number of user licenses that are assigned to active users in the organization. This field is available in API version 32.0 and later.
UsedLicensesLastUpdated	**Type** dateTime **Properties** aggregate, Filter, Sort **Description** The timestamp of the query. If your license count exceeds your org's allotted threshold, the count timestamp reflects the previous day, otherwise the timestamp reflects the current day and time. This field is available in API version 41.0 and later.

Usage

Users with the "View Setup and Configuration" permission can use the UserLicense object to view the set of currently defined user licenses in your organization.

The UserLicense object is currently used by bulk user creation to determine the user license to which each profile and permission set belongs. For example, if you use the API to create portal users and you want to know which profile belongs to each portal user license, you can query this object for each profile and check the `LicenseDefinitionKey` to identify the associated user license.

SEE ALSO:

Profile

UserListView

Represents the customizations a user made to a list view. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Name	Details
`LastViewedChart`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The last chart a user viewed.
`ListViewId`	**Type** ID **Properties** Create, Filter, Group, Sort **Description** The ID of the list view.
`SobjectType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The API name of the sObject for the user list view.

Name	Details
UserId	**Type** ID **Properties** Create, Filter, Group, Sort **Description** The ID of the user.

UserListViewCriterion

Represents the criterion for a user's customized list view. The criterion consists of the filters or sort order a user added to a list view for the Salesforce Mobile app. This object is available in API version 32.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Name	Details
ColumnName	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the column in the user list view.
Operation	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The criteria to apply, such as “equals” or “starts with.”
SortOrder	**Type** int **Properties** Create, Filter, Group, Sort, Update

Name	Details
	Description The order in which the list view is evaluated compared to other UserListViewCriterion objects for the given UserListView.
`UserListViewId`	**Type** ID **Properties** Create, Filter, Group, Sort **Description** The ID of the user list view.
`Value`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The field values used to filter the list view. For example, a value of `94105` if the Field is `Billing Zip/Postal Code` shows only rows that have a billing ZIP code of 94105.

UserLogin

Represents the settings that affect a user's ability to log into an organization. To access this object, you need the `UserPermissions.ManageUsers` permission. This object is available in API version 29.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`IsFrozen`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, the user account associated with this object is frozen.
`IsPasswordLocked`	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, the user account associated with this object is locked because of too many login failures. From the API, you can set this field to `false`, but not `true`
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the associated user account. This field can't be updated.

Usage

To query for all frozen users in your organization:

```
SELECT Id, UserId
FROM UserLogin
WHERE IsFrozen = true
```

UserMembershipSharingRule

Represents the rules for sharing user records from a source group to a target group. A user record contains details about a user. Users who are members of the source group can be shared with members of the target group. The source and target groups can be based on roles, portal roles, public groups, or territories. This object is available in API version 26.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters. This field is available in API version 29.0 and later.

Field	Details
DeveloperName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique DeveloperName for each record. If no DeveloperName is specified, performance may slow while Salesforce generates one for each record.
GroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group.
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
UserAccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing being allowed. The possible values are: • Read • Edit
UserOrGroupId	**Type** reference

Field	Details
	Properties Create, Filter, Group, Sort **Description** The ID representing the target group being given access.

Usage

Use this object to manage sharing rules for user records. Source and target groups can include internal users, portal users, Chatter or Chatter External users.

UserPackageLicense

Represents a license for an installed managed package, assigned to a specific user. This object is available in API version 31.0 and later.

Supported Calls

`create()`, `delete()`, `query()`, `retrieve()`, `update()`

Fields

Field Name	Details
`PackageLicenseId`	**Type** reference **Properties** Filter, Group, Sort **Description** The 18-character Globally Unique ID (GUID) that identifies the package license
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** The User ID of the user licensed to use this package

Usage

Use this object, in conjunction with PackageLicense, to provide users access to a managed package installed in your organization.

UserPermissionAccess

Represents the permissions accessibility for a current user. Available in API version 41.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field	Details
`LastCacheUpdate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The last modified date and time of either the user info or org info, whichever is later.
`Permissions<PermissionName>`	**Type** boolean **Properties** Filter **Description** The name of the permission, such as `PermissionsActivateContract` or `PermissionsAuthorApex` and whether it's available to the user (`true`) or not (`false`).

Usage

API users without `PermissionsViewSetup` can use this object to check if their own sessions have access to a feature.

UserPreference

Represents a functional preference for a specific user in your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`Preference`	**Type** picklist **Properties** Create, Defaulted on Create, Filter, Group, Restricted picklist, Sort, Update **Description** The name of the user preference. Supported values are: • `Event Reminder Default Lead Time` • `Task Reminder Default Time` • `Prevent Logs on Load` • `Autocomplete Apex After Key Press` • `Visualforce Viewstate Inspector` • `Forecasting Displayed Type` • `Editor Theme` • `Editor Font Size` • `Pinned Folders` • `Enable Query Plan` • `Enable New Open Dialog` • `Email Transport Type` • `Pinned Wave Folders` `Event Reminder Default Lead Time` and `Task Reminder Default Time` are related to these fields on the User object: • `UserPreferencesEventRemindersCheckboxDefault` • `UserPreferencesTaskRemindersCheckboxDefault` • `UserPreferencesSuppressEventSFXReminders` • `UserPreferencesSuppressTaskSFXReminders` `Enable New Open Dialog` is reserved for future use. When creating SOQL queries, `tolabel` is required to return accurate results. For example, `select Id, tolabel(Preference), Value, UserId from UserPreference`.
`UserId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user associated with this role. The corresponding field label is **User ID**. Admin users can create and edit preferences for other users.

Field	Details
	Standard users can delete their own preferences only. For a standard user, the value of the `UserId` field must be their own UserId.
`Value`	**Type** textarea **Properties** Filter, Nillable, Sort **Description** The value of the user preference. For `Event Reminder Default Lead Time`, the values are increasing intervals of time from 0 minutes to 2 days. For `Task Reminder Default Time`, the values are half-hours from 12:00 AM to 11:30 PM. To view the respective sets of values, access the Reminders in your personal settings in the online application.

Usage

Use this object to query the set of currently configured user preferences in your organization. In your client application, you can query the User object to obtain valid User IDs to access the UserPreference object.

All users can invoke the supported calls with this object. Standard users can invoke these calls, but only on their own preferences.

UserProfile

Represents a Chatter user profile.

Note: This object has been deprecated as of API version 32.0. Use the User object to query information about a user in API version 32.0 and later.

Supported Calls

`describeLayout()`, `query()`, `retrieve()`

Special Access Rules

- Information in hidden fields in a user's profile is not searchable by external users (with a portal profile) in a community. For example, if a user in a community has a hidden email address and an external user searches for it, the user record is not returned in the search results. Hidden field values are also not returned when external users perform searches on non-hidden fields. So if an external user searches for a user's name (cannot be hidden), any hidden field values associated with the user record (for example, a hidden email address) are not returned in the search results.

  Internal users from your organization who belong to the same community, however, can both search for and view hidden field values in search results.

- Any fields that have been restricted in visibility will be returned empty, whether or not they are, and will not be removed from the field listing.

Fields

Field	Details
AboutMe	**Type** textarea **Properties** Filter, Nillable, Sort **Description** Information about the user, such as areas of interest or skills.
Address (beta)	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address. Read-only. See Address Compound Fields for details on compound address fields.
City	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The city associated with the user profile.
CompanyName	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The company associated with the user profile.
Country	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The country associated with the user profile.
Email	**Type** email **Properties** Filter, Group, idLookup, Sort

Field	Details
	Description The email address associated with the user profile.
`Fax`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The fax number associated with the user profile.
`FirstName`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user’s first name.
`FullPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for the user's profile photo if Chatter is enabled. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the user has access to log in (`true`) or not (`false`). You can modify a User's active status from the user interface or via the API.
`IsBadged`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort

Field	Details
	Description Indicates whether the user is visually badged (`true`) or not (`false`). Users of the same Chatter user type (internal, external) are badged. Different user types are not badged.
`LastName`	**Type** string **Properties** Filter, Group, Sort **Description** The user's last name.
`Latitude` (beta)	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Longitude` to specify the precise geolocation of an address. Acceptable values are numbers between –90 and 90 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`Longitude` (beta)	**Type** double **Properties** Filter, Nillable, Sort **Description** Used with `Latitude` to specify the precise geolocation of an address. Acceptable values are numbers between –180 and 180 up to 15 decimal places. For details on geolocation compound fields, see Compound Field Considerations and Limitations.
`ManagerId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user who manages this user.
`MobilePhone`	**Type** phone

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The user’s mobile or cellular phone number.
`Name`	**Type** string **Properties** Filter, Group, Sort **Description** Concatenation of `FirstName` and `LastName`.
`Phone`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The user’s phone number.
`PostalCode`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user’s postal or ZIP code. Label is **Zip/Postal Code**.
`SmallPhotoUrl`	**Type** url **Properties** Filter, Nillable, Sort **Description** The URL for a thumbnail of the user's profile photo if Chatter is enabled. The URL is updated every time a photo is uploaded and reflects the most recent photo. The URL returned for an older photo is not guaranteed to return a photo if a newer photo has been uploaded. You should always query this field for the URL of the most recent photo.
`State`	**Type** string

Field	Details
	Properties Filter, Group, Nillable, Sort **Description** The state associated with the user profile.
`Street`	**Type** textarea **Properties** Filter, Group, Nillable, Sort **Description** The street address associated with the user profile.
`Title`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The user's business title, such as "Vice President."
`UserPreferencesActivityRemindersPopup`	**Type** boolean **Properties** Filter **Description** When `true`, a reminder popup window automatically opens when an activity reminder is due. Corresponds to the `Trigger alert when reminder comes due` checkbox at the Reminders page in the personal settings in the user interface.
`UserPreferencesApexPagesDeveloperMode`	**Type** boolean **Properties** Filter **Description** When `true`, indicates the user has enabled developer mode for editing Visualforce pages and controllers.
`UserPreferencesDisableAllFeedsEmail`	**Type** boolean **Properties** Filter

Field	Details
	Description When `false`, the user automatically receives email for all updates to Chatter feeds, based on the types of feed emails and digests the user has enabled.
`UserPreferencesDisableBookmarkEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone comments on a Chatter feed item after the user has bookmarked it.
`UserPreferencesDisableChangeCommentEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone comments on a change the user has made, such as an update to their profile.
`UserPreferencesDisableEndorsementEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the member automatically receives email every time someone endorses them for a topic.
`UserPreferencesDisableFeedbackEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives emails related to Work.com feedback. This includes when someone requests or offers feedback, shares feedback with the user, or reminds the user to answer a feedback request.
`UserPreferencesDisableFileShareNotificationsForApi`	**Type** boolean

Field	Details
	Properties Filter **Description** When `false`, email notifications are sent from the person who has shared a file to the users with whom the file has been shared.
`UserPreferencesDisableFollowersEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone starts following the user in Chatter.
`UserPreferencesDisableLaterCommentEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone comments on a feed item after the user has commented on the feed item.
`UserPreferencesDisableLikeEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone likes a post or comment the user has made.
`UserPreferencesDisableMentionsPostEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time the user is mentioned in posts.
`UserPreferencesDisableMessageEmail`	**Type** boolean

Field	Details
	Properties Filter **Description** When `false`, the user automatically receives email for Chatter messages sent to the user.
`UserPreferencesDisableProfilePostEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone posts to the user's profile.
`UserPreferencesDisableRewardEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives emails related to Work.com rewards. This includes when someone someone gives a reward to the user.
`UserPreferencesDisableSharePostEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time the user's post is shared.
`UserPreferencesDisableWorkEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user receives emails related to Work.com feedback, goals, and coaching. The user must also sign up for individual emails listed on the Work.com email settings page. When `true`, the user will not receive any emails related to Work.com feedback, goals, or coaching even if they are signed up for individual emails.

Field	Details
`UserPreferencesDisCommentAfterLikeEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone comments on a post the user has liked.
`UserPreferencesDisMentionsCommentEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time the user is mentioned in comments.
`UserPreferencesDisProfPostCommentEmail`	**Type** boolean **Properties** Filter **Description** When `false`, the user automatically receives email every time someone comments on posts on the user's profile.
`UserPreferencesEnableAutoSubForFeeds`	**Type** boolean **Properties** Filter **Description** When `true`, the user automatically subscribes to feeds for any objects that the user creates.
`UserPreferencesEventRemindersCheckboxDefault`	**Type** boolean **Properties** Filter **Description** When `true`, a reminder popup is automatically set on the user's events. Corresponds to the `By default, set reminder on Events to...` checkbox on the Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.

Field	Details
UserPreferencesHideChatterOnboardingSplash	**Type** boolean **Properties** Filter **Description** When `true`, the initial Chatter onboarding prompts do not appear.
UserPreferencesHideCSNDesktopTask	**Type** boolean **Properties** Filter **Description** When `true`, the Chatter recommendations panel never displays the recommendation to install Chatter Desktop.
UserPreferencesHideCSNGetChatterMobileTask	**Type** boolean **Properties** Filter **Description** When `true`, the Chatter recommendations panel never displays the recommendation to install Chatter Mobile.
UserPreferencesHideS1BrowserUI	**Type** boolean **Properties** Filter **Description** Controls the interface that the user sees when logging in to Salesforce from a supported mobile browser. If `false`, the user is automatically redirected to the Salesforce mobile web. If `true`, the user sees the full Salesforce site. The default value is `false`. Label is **Salesforce User**. This field is available in API version 29.0 or later.
UserPreferencesHideSecondChatterOnboardingSplash	**Type** boolean **Properties** Filter **Description** When `true`, the secondary Chatter onboarding prompts do not appear.

Field	Details
UserPreferencesReminderSoundOff	**Type** boolean **Properties** Filter **Description** When `true`, a sound automatically plays when an activity reminder is due. Corresponds to the `Play a reminder sound` checkbox on the Reminders page in the user interface.
UserPreferencesShowCityToExternalUsers	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the city field in the user's contact information. City is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. City is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowCityToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
UserPreferencesShowCityToGuestUsers	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the city field in the user's contact information. When `true`, city is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowCityToExternalUsers`, making the user's city visible to external members.

Field	Details
	The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowCountryToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the country field in the user's contact information. Country is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Country is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowCountryToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowCountryToGuestUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the country field in the user's contact information. When `true`, country is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowCountryToExternalUsers`, making the user's country visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowEmailToExternalUsers`	**Type** boolean

Field	Details
	Properties Filter **Description** Indicates the visibility of the email address field in the user's contact information. Email address is visible only to internal members of the user's organization when this field is `false`. Email address is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowFaxToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the fax number field in the user's contact information. Fax number is visible only to internal members of the user's organization when this field is `false`. Fax number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowManagerToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the manager field in the user's contact information. Manager is visible only to internal members of the user's organization when this field is `false`. Manager is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowMobilePhoneToExternalUsers`	**Type** boolean **Properties** Filter

Field	Details
	Description Indicates the visibility of the mobile or cellular phone number field in the user's contact information. The number is visible only to internal members of the user's organization when this field is `false`. The number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowPostalCodeToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the postal or ZIP code field in the user's contact information. Postal code is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Postal code is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowPostalCodeToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowPostalCodeToGuestUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the postal or ZIP code field in the user's contact information. When `true`, postal code is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`.

Field	Details
	When `true`, this field overrides the value `false` in `UserPreferencesShowPostalCodeToExternalUsers`, making the user's postal code visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowProfilePicToGuestUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the user's profile photo. When `true`, the photo is visible to guest users in a community. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the stock photo. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowStateToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the state field in the user's contact information. State is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. State is visible to external members in a community when: • This field is `true`, or • This field is `false` but `UserPreferencesShowStateToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowStateToGuestUsers`	**Type** boolean

Field	Details
	Properties Filter **Description** Indicates the visibility of the state field in the user's contact information. When `true`, state is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowStateToExternalUsers`, making the user's state visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
`UserPreferencesShowStreetAddressToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the street address field in the user's contact information. The address is visible only to internal members of the user's organization when this field is `false`. The address is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
`UserPreferencesShowTitleToExternalUsers`	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the business title field in the user's contact information. Title is visible only to internal members of the user's organization when: • This field is `false`. When `false`, this field returns the value `#N/A`. Title is visible to external members in a community when: • This field is `true`, or

Field	Details
	• This field is `false` but `UserPreferencesShowTitleToGuestUsers` is `true`, which overrides this field's value. External users are users with Community, Customer Portal, or partner portal licenses. The default value is `true`. This field is available in API version 26.0 and later.
UserPreferencesShowTitleToGuestUsers	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the business title field in the user's contact information. When `true`, title is visible to guest users. Guest users can access public Site.com and Salesforce sites, and public pages in Communities, via the Guest User license associated with each site or community. When `false`, this field returns the value `#N/A`. When `true`, this field overrides the value `false` in `UserPreferencesShowTitleToExternalUsers`, making the user's title visible to external members. The default value is `false`. This field is available in API version 28.0 and later.
UserPreferencesShowWorkPhoneToExternalUsers	**Type** boolean **Properties** Filter **Description** Indicates the visibility of the work phone number field in the user's contact information. The number is visible only to internal members of the user's organization when this field is `false`. The number is visible to external members in a community when this field is `true`. External users are users with Community, Customer Portal, or partner portal licenses. When `false`, this field returns the value `#N/A`. The default value is `false`. This field is available in API version 26.0 and later.
UserPreferencesTaskRemindersCheckboxDefault	**Type** boolean **Properties** Filter

Field	Details
	Description When `true`, a reminder popup is automatically set on the user's tasks. Corresponds to the `By default, set reminder on Tasks to...` checkbox on the Reminders page in the user interface. This field is related to UserPreference and customizing activity reminders.

Usage

Use this object to query Chatter—related information about the user. While the User object contains all the information about a user and is historically tied to user management, UserProfile is a read-only entity that contains the information that is relevant in a Chatter context.

UserProfileFeed

Represents a user profile feed, which tracks all actions by a user on records that can be tracked in a feed. This feed is displayed on the user profile page.

UserProfileFeed is available in API version 18.0 through API 26.0. In API version 27.0 and later, UserProfileFeed is no longer available in the SOAP API. Use the Chatter REST API to access UserProfileFeed.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Moderate Chatter"

  Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

- "Manage Unlisted Groups"

  Only users with this permission can delete items in unlisted groups.

Fields

Field	Details
`Body`	**Type** textarea

Field	Details
	Properties Nillable, Sort **Description** The content of UserProfileFeed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item. Tip: In a feed that supports pre-moderation, `CommentCount` isn’t updated until a comment is published. For example, say that you comment on a post that already has one published comment and your comment triggers moderation. Now there are two comments on the post, but the count says there's only one. In a moderated feed, your comment isn’t counted until it's approved by an admin or a person with “CanApproveFeedPostAndComment” or “ModifyAllData” permission. Feed moderation has implications on how you retrieve feed comments. In a moderated feed, rather than retrieving comments by looping through `CommentCount`, go through pagination until end of comments is returned.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Required if `Type` is `ContentPost`. Encoded file data in any format, and can’t be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort

Field	Details
	Description This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The size of the file (in bytes) uploaded to the feed. This field is read-only and is automatically determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The MIME type of the file uploaded to the feed. This field is read-only and is automatically determined during insert.
`CreatedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when this record was created. This field is a standard system field. Ordering by `CreatedDateDESC` sorts the feed by the most recent feed item.
`FeedPostId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** This field was removed in API version 22.0, and is available in earlier versions for backward compatibility only. ID of the associated FeedPost. A FeedPost represents the following types of changes in an FeedItem: changes to tracked fields, text posts, link posts, and content posts.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort

Field	Details
	Description ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the `InsertedBy` value is set to the ID of the logged-in user.
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Standard system field. Indicates whether the record has been moved to the Recycle Bin (`true`) or not (`false`).
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** Date and time when a user last modified this record. This field is a standard system field. When a feed item is created, `LastModifiedDate` is the same as `CreatedDate`. If a FeedComment is inserted on that feed item, then `LastModifiedDate` becomes the `CreatedDate` for that FeedComment. Deleting the FeedComment does not change the `LastModifiedDate`. Ordering by `LastModifiedDate DESC` sorts the feed by both the most recent feed item or comment.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist

Field	Details
	Properties Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the account record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the user profile record. When the `Type` is `LinkPost`, the `LinkUrl` is the URL and this field is the link name.

Field	Details
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item: • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `CaseCommentPost`—generated event when a user adds a case comment for a case object

Field	Details
	• `EmailMessageEvent`—generated event when an email related to a case object is sent or received • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `ChangeStatusPost`—generated event when a user changes the status of a case • `AttachArticleEvent`—generated event when a user attaches an article to a case Note: If you set `Type` to `ContentPost`, also specify `ContentData` and `ContentFileName`.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available to all users or internal users only. This field is available in API version 26.0 and later, if Salesforce Communities is enabled for your organization. `Visibility` can have the following values: • `AllUsers`—The feed item is available to all users who have permission to see the feed item. • `InternalUsers`—The feed item is available to internal users only. Note the following exceptions for `Visibility`: • For record posts, `Visibility` is set to `InternalUsers` for all internal users by default. • External users can set `Visibility` only to `AllUsers`. • On user and group posts, only internal users can set `Visibility` to `InternalUsers`.

Usage

Use this object to query and retrieve record changes tracked in a user profile feed. Note the following when working with user profile feeds:

- This object is read only in the API.
- Queries retrieve feed items that include mentions from other users.
- Use this object to query and retrieve lead feed items that were associated with a converted lead record.
- Include a `WITH` clause and specify the `UserId` of the user whose profile you want to query. The `WITH` clause must come after a `WHERE` clause.

Users that do not have the "View All Data" permission have the following limitations when querying records:

- Must specify a `LIMIT` clause and the limit must be less than or equal to 1000.

- Can include a `WHERE` clause that references UserProfileFeed fields, but cannot include references to fields in related objects. For example, you can filter by `CreatedDate` or `ParentId`, but not by `Parent.Name`.
- Can include an `ORDER BY` clause that references UserProfileFeed fields, but cannot include references to fields in related objects. For example, you can `ORDER BY CreatedDate` or `ParentId`, but not by `Parent.Name`.

Tip: To query for the most recent feed items, you should `ORDER BY CreatedDate DESC, Id DESC`.

Note the following SOQL restrictions.

- No SOQL limit if logged-in user has "View All Data" permission. If not, specify a LIMIT clause of 1,000 records or fewer.
- SOQL ORDER BY on fields using relationships is not available. Use ORDER BY on fields on the root object in the SOQL query.

SEE ALSO:

EntitySubscription

FeedComment

FeedTrackedChange

UserProvAccount

Represents information that links a Salesforce user account with an account in a third-party (target) system, such as Google, for users of connected apps with Salesforce user provisioning enabled. This object is available in API version 33.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`ConnectedAppId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The 15 character application ID.
`DeletedDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date and time when the associated user account in the target system was deleted. This value is automatically updated during the provisioning and reconciling processes.

Field	Details
ExternalEmail	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The email address as stored in the target system for the associated user account.
ExternalFirstName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The first name as stored in the target system for the associated user account.
ExternalLastName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last name as stored in the target system for the associated user account.
ExternalUserId	**Type** string **Properties** Create, Filter, Group, idLookup, Nillable, Sort, Update **Description** The unique identifier for the user as stored in the target system.
ExternalUsername	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The username as stored in the target system for the associated user account.
IsKnownLink	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Setting the `IsKnownLink` value to `true` implies the administrator or another user is managing the relationship between the Salesforce user account and the third-party user account, manually. This field helps Salesforce coordinate updates between the UserProvAccountStaging object and the UserProvAccount object while committing staged accounts. Typically, for a matching user account (the same `ExternalUserId` for both objects), Salesforce copies the values from the UserProvAccountStaging object to the UserProvAccount object. However, if Salesforce encounters a UserProvAccountStaging object with a matching `ExternalUserId` but different `LinkState` and `SalesforceUserId` values during this process, Salesforce checks the UserProvAccount `IsKnownLink` value. If the `IsKnownLink`value is `true`, Salesforce doesn't copy the `LinkState` and `SalesforceUserId` values from the UserProvAccountStaging object to the UserProvAccount object (all other values are copied). The default is `false`, meaning Salesforce manages the account relationship.
`LinkState`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The state of the current connection between the user account in the Salesforce organization and the associated user account in the target system. The valid values are: • `linked`— changes to the account in the Salesforce organization are queued to be updated for the associated user account in the target system. • `duplicate`— an associated account in the target system exists. • `orphaned`—no associated account exists in the target system. • `ignored`— changes to the account in the Salesforce organization have no effect on the associated user account in the target system.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The unique name for this object.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Namepointing, Sort, Update

Field	Details
	Description The user ID of the owner of this object—typically a Salesforce administrator.
`SalesforceUserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user ID for the user account in the Salesforce organization that is associated with the user account in the target system.
`Status`	**Type** picklist **Properties** Create, Filter, Group, Sort, Update **Description** The status of the account in the target system. The valid values are: • `Active` • `Deactivated` • `Deleted`

UserProvAccountStaging

Temporarily stores user account information while a user completes the User Provisioning Wizard. This information that is stored in the UserProvAccount object when you click the button to collect and analyze accounts on the target system.

User provisioning links a Salesforce user account with an account in a third-party (target) system. To configure user provisioning, you use a User Provisioning Wizard that guides you through the setup process. As you enter values about account details in the wizard, these values are stored in this object until you click the button to collect and analyze accounts on the target system. The general user provisioning configuration details are stored in the UserProvisioningConfig object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`ConnectedAppId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The 15 character connected app ID.
ExternalEmail	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The email address as stored in the target system for the associated user account.
ExternalFirstName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The first name as stored in the target system for the associated user account.
ExternalLastName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last name as stored in the target system for the associated user account.
ExternalUserId	**Type** string **Properties** Create, Filter, Group, idLookup, Nillable, Sort, Update **Description** The unique identifier for the user as stored in the target system.
ExternalUsername	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The username as stored in the target system for the associated user account.

Field Name	Details
LinkState	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The state of the current connection between the user account in the Salesforce organization and the associated user account in the target system. The valid values are: • linked— a user account matches one in the target system. • duplicate— an associated account in the target system exists. • orphaned—no associated account exists in the target system. • ignored— changes to the account in the Salesforce organization have no effect on the associated user account in the target system.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The unique name for this object.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The user ID of the owner of this object—typically a Salesforce administrator.
SalesforceUserId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The user ID for the user account in the Salesforce organization that is associated with the user account in the target system.
Status	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description The status of the account in the target system. The valid values are: • `Active` • `Deactivated` • `Deleted`

Usage

When committing fields from a UserProvAccountStaging to a UserProvAccount object, Salesforce looks up the UserProvAccount record where `UserProvAccountStaging.ExternalUserId = UserProvAccount.ExternalUserId`.

- If an `ExternalUserId` doesn't match an existing account, Salesforce creates a UserProvAccount record based on the UserProvAccountStaging record.
- If an `ExternalUserId` matches, then Salesforce checks the `UserProvAccount.isKnownLink` value, and does the following.
  - If `UserProvAccount.IsKnownLink = true`, Salesforce copies the UserProvAccountStaging values to the UserProvAccount object, except for the `ExternalUserId` and `LinkState` values.
  - If `UserProvAccount.IsKnownLink = false`, Salesforce copies all of the UserProvAccountStaging values to the UserProvAccount object.

UserProvMockTarget

Represents an entity for testing user data before committing the data to a third-party system for user provisioning.

During the user provisioning process, user account information is sent to a third-party system to create, update or delete a user account on that system. While configuring user provisioning for your organization using a flow or Apex plugin, you can use this object to confirm the associated flow or plugin is sending the desired data. After confirming the correct fields and values, you can update the flow or Apex plugin to send the data to the target system.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`ExternalEmail`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The email address as stored in the target system for the associated user account.
ExternalFirstName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The first name as stored in the target system for the associated user account.
ExternalLastName	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The last name as stored in the target system for the associated user account.
ExternalUserId	**Type** string **Properties** Create, Filter, Group, idLookup, Nillable, Sort, Update **Description** The unique identifier for the user as stored in the target system.
ExternalUsername	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The username as stored in the target system for the associated user account.
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The unique name for this object.
OwnerId	**Type** reference

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** The user ID of the owner of this object—typically a Salesforce administrator.

UserProvisioningConfig

Represents information for a flow to use during a user provisioning request process, such as the attributes for an update. This object is available in API version 34.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`ApprovalRequired`	**Type** textarea **Properties** Create, Nillable, Update **Description** Denotes whether approvals are required for provisioning users for the associated connected app. If the value is null, no approval is required.
`ConnectedAppId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The 18-digit application ID for the connected app.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with

Field Name	Details
	a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package, and the changes are reflected in a subscriber's organization.
`Enabled`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether user provisioning is enabled for the associated connected app (`true`) or not (`false`).
`EnabledOperations`	**Type** textarea **Properties** Create, Nillable, Update **Description** Lists the operations, as comma-separated values, that create a UserProvisioningRequest object for the associated connected app. Allowed values are: • `Create` • `Update` • `EnableAndDisable` (activation and deactivation) • `SuspendAndRestore` (freeze and unfreeze)
`Language`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The two- to five-character code that represents the language and locale ISO. This code controls the language for labels displayed in an application.
`LastReconDateTime`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description The date and time when user accounts were last reconciled between Salesforce and the target system.
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The master label for this object. This value is the internal label that doesn't get translated.
`NamedCredentialId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce ID of the named credential that's used for a request. The named credential identifies the third-party system and the third-party authentication settings.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.

Field Name	Details
Notes	**Type** textarea **Properties** Create, Nillable, Update **Description** A utility field for administrators to add any additional information about the configuration. This field is for internal reference only, and is not used by any process.
OnUpdateAttributes	**Type** textarea **Properties** Create, Nillable, Update **Description** Lists the user attributes, as comma-separated values, that generate a UserProvisioningRequest object during an update.
ReconFilter	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** When collecting and analyzing users on a third-party system, the plug-in uses this filter to limit the scope of the collection.
UserAccountMapping	**Type** textarea **Properties** Create, Nillable, Update **Description** Stores the attributes used to link the Salesforce user to the account on the third-party system, in JSON format. For example: `{"linkingSalesforceUserAttribute":"Username", "linkingTargetUserAttribute":"Email"}`

UserProvisioningLog

Represents messages generated during the process of provisioning users for third-party applications. This object is available in API version 33.0 and later.

Some messages for this object are generated automatically by Salesforce, and others are created by the developers of the user provisioning plugin. Developers can use this object to log messages from the flow associated with the user provisioning process or the Apex plugin that calls the target system. Administrators can use this object as a log of all user provisioning activity and as a troubleshooting tool if desired behavior is missing. This object is available as a custom report type.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`Details`	**Type** textarea **Properties** Create, Nillable, Update **Description** The value of this field depends on the log entry. For example, if the target system returns an error, the error message may be recorded in this field.
`ExternalUserId`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique identifier for the user in the target system.
`ExternalUsername`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The username set in the target system for the associated user account.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort

Field	Details
	Description The unique name for this object.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Salesforce ID of the Group or User who owns this object.
`Status`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The status of the user provisioning request. Based on the context of the log, it can contain different values, such as an HttpStatusCode.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce ID of the user making the request.
`UserProvisioningRequestId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A unique identifier for the user provisioning request.

UserProvisioningRequest

Represents an individual provisioning request to create, update, or delete a single user account in a third-party service system (or another Salesforce organization). This object is available in API version 33.0 and later.

A UserProvisioningRequest (UPR) record is created for each provisioning action for each user, and for each connected app available to the user. For example, if a user has two connected apps, and a provisioning request is sent to two different services to create an account for the user, Salesforce creates two UPR objects. Provisioning actions include creating, updating, or deleting a user account.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field	Details
`AppName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the connected app associated with the service provider.
`ApprovalStatus`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The status of the approval for the current request. If the user provisioning setup for the connected app does not have an approval process enabled, the status is `Not Required`. If an approval process is enabled, supported values are: • `Required`— An approval process is enabled in the user provisioning setup for the associated connected app, but there is no response to the request yet. • `Not Required`— An approval process is not enabled in the user provisioning setup for the associated connected app. • `Approved` • `Denied`
`ConnectedAppId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The 18-digit application ID for the connected app.
`ExternalUserId`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique identifier for the user in the target system.

Field	Details
ManagerId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce ID of the user who manages the user specified in the `SalesforceUserId` field. If an approval process is configured for the user provisioning request. this value allows the manager to approve the request. Available in API version 34.0 and later.
Name	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The unique name for this object.
Operation	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The Apex method called by the trigger associated with the provisioning request (typically a change to the User object). Supported values are: • `Create` • `Read` • `Update` • `Deactivate` • `Activate` • `Freeze` • `Unfreeze` • `Reconcile` • `Linking` For example, when the User object field `isActive` is set to `false`, the UPR object `Operation` field value is set to `Deactivate`.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field	Details
	Description Salesforce ID of the Group or User who owns this object.
ParentID	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** When a retry event is created, the failed UPR is cloned and resubmitted. This field contains a lookup to the failed UPR that was cloned to create the current record.
Retry Count	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** Number of retry attempts performed on a UPR. Retry Count enables custom business logic such as "Retry 5 times then stop and notify your admin."
`SalesforceUserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce ID of the user making the request.
`ScheduleDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** When to send this request to the service provider. Note: Scheduling is not implemented yet. Currently, provisioning changes are queued immediately to be sent to the service provider.
`State`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Status of this request. Supported values are:

Field	Details
	• New • Requested • Completed • Failed • Collecting • Collected • Analyzing • Analyzed • Committing • Retried • Manually Completed The State goes from New to Requested to Completed or Failed, unless a reconciliation process is occurring. For details about the reconciliation process State value changes, see Usage. The State goes from Failed to Retried or Manually Completed when troubleshooting UPR failures. For details about handling failures, see State Values for Managing Provisioning Failures.
UserProvAccountId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID value of the associated UserProvAccount object.
UserProvConfigId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID value of the associated UserProvisioningConfig object. Available in API version 34.0 and later.

Usage

The State value changes during a reconciliation process (Operation = Reconcile) to gather and compare users on the third-party system to Salesforce users. Typically, when a UPR entry is first created, it has a State value of New. When a collection process is triggered, the State transitions to Collecting until that process is finished and the State is Collected. When an analyze process is triggered, the State transitions to Analyzing until that process is finished and the State is Analyzed. If a process commits the request, the State then transitions to Committing, and the properties move from the

UserProvAccountStaging object to the UserProvAccount object. When those properties are saved in the UserProvAccount object, the `State` transitions to `Completed`.

However, the `State` does not necessarily start at `New`. For example, UserProvAccountStaging entries can be inserted programmatically. If a process is initiated that triggers linking these rows to accounts on the third-party service, a UPR entry could start with the `Analyzing State`.

Also, the `State` cannot go backwards from an active task. For example, a successful `Analyzing State` must progress to `Analyzed`; unless the active process fails, and then the `State` must change to `Failed`. Certain `State` transitions cannot be made programmatically and must be triggered by Salesforce.

The following table shows the `State` transitions that can occur for each `State` value. Each row corresponds to a current `State` value and each column corresponds to a new `State` after a potential transition.

- ✗ — the transition to this value is not allowed.
- ✓ — the transition to this value is allowed.
- ☁ — only Salesforce can transition the `State` to this value.

	New	Requested	Collecting	Collected	Analyzing	Analyzed	Committing	Completed	Failed	Retried	Manually Completed
New	✓	☁	✓	✓	✓	✓	✓	✓	✓	✗	✗
Requested	✗	✓	☁	☁	☁	☁	☁	☁	☁	✗	✗
Collecting	✗	✗	✓	☁	☁	☁	☁	☁	☁	✗	✗
Collected	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗
Analyzing	✗	✗	✗	☁	✓	☁	☁	☁	☁	✗	✗
Analyzed	✗	✗	✗	✗	✗	✓	✓	✓	✓	✗	✗
Committing	✗	✗	✗	✗	✗	☁	✓	☁	☁	✗	✗
Completed	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗
Failed	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓
Retried	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Manually Completed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

State Values for Managing Provisioning Failures

The `state` value changes to `Failed` for several reasons, such as network outages, session timeouts, permissions issues, and record locks. The `Failed` state can transition to either `Retried` or `Manually Completed` to indicate what action was taken to address the failure. Actions can include correcting the root cause of the failure and requesting that the provisioning engine retry the UPR. Or, it can be completing the action against the target manually. Each UPR is an independent transaction and it's possible the retry causes a failure with a different root cause. So it's hard to distinguish failed events that you addressed from the ones that require more action.

If you tried to correct the cause of the failure and requested the provisioning engine to retry the UPR, you can mark the failed UPR `Retried`. Or, if the action against the target was completed manually, you can mark it `Manually Completed`.

When a retry event is created, the failed UPR is cloned, and resubmitted. The `ParentID` field contains a lookup to the failed UPR to use to clone the new UPR. The `Retry Count` field contains the number of retry attempts that were performed on a UPR. With the `Retry Count` field, you can add custom business logic like "Retry 5 times then stop and notify your admin."

UserProvisioningRequestOwnerSharingRule

Represents a rule for sharing a UserProvisioningRequest object with users other than the owner. This object is available in API version 34.0 and later.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing allowed. The possible values are: • `Read` • `Edit`
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two

Field Name	Details
	consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. **Note:** When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. UserProvisioningRequest objects owned by users in the source group trigger the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** in the user interface.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the target user or group. Target users or groups have access to the UserProvisioningRequest object.

SEE ALSO:

Metadata API Developer Guide: SharingRules

UserProvisioningRequestShare

Represents a sharing entry on a UserProvisioningRequest record. This object is available in API version 34.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of sharing allowed. The possible values are: • `Read` • `Edit`
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent record, if any.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Values may include: • `Manual`—The User or Group has access because a user with "All" access manually shared the UserProvisioningRequest record with them. • `Owner`—The User is the owner of the UserProvisioningRequest record or is in a role above the UserProvisioningRequest record owner in the role hierarchy.
UserOrGroupId	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the UserProvisioningRequest record.

UserRecordAccess

Represents a user's access to a set of records. This object is read only and is available in API version 24.0 and later.

Supported Calls

`describeSObjects()`, `query()`

Fields

Field	Details
`HasAllAccess`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user can share the record.
`HasDeleteAccess`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user has delete access to the record (`true`) or not (`false`).
`HasEditAccess`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user has edit access to the record (`true`) or not (`false`).

Field	Details
HasTransferAccess	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user has transfer access to the record (`true`) or not (`false`).
HasReadAccess	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether a user has read access to the record (`true`) or not (`false`).
MaxAccessLevel	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Indicates a user's maximum level of access to a record. Valid values are: • `None` • `Read` • `Edit` • `Delete` • `Transfer` • `All`
RecordId	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** ID of the record.
UserId	**Type** reference **Properties** Filter, Group

Field	Details
	Description ID of the user.

Usage

Use this object to query a user's access to records. You can't create, delete, or update any records using this object.

Up to 200 record IDs can be queried. You can include an `ORDER BY` clause for any field that is being selected in the query.

The following sample query returns the records, whether the queried user has read and transfer access to each record, and the user's maximum access level to each record.

```
SELECT RecordId, HasReadAccess, HasTransferAccess, MaxAccessLevel
     FROM UserRecordAccess
     WHERE UserId = [single ID]
     AND RecordId = [single ID]      //or Record IN [list of IDs]
```

The following query returns the records to which a queried user has read access.

```
SELECT RecordId
     FROM UserRecordAccess
     WHERE UserId = [single ID]
     AND RecordId = [single ID]      //or Record IN [list of IDs]
     AND HasReadAccess = true
```

Using API version 30.0 and later, UserRecordAccess is a foreign key on the records. You can't filter by or provide the `UserId` or `RecordId` fields when using this object as a lookup or foreign key. The previous sample queries can be run as:

```
SELECT Id, Name, UserRecordAccess.HasReadAccess, UserRecordAccess.HasTransferAccess,
UserRecordAccess.MaxAccessLevel
      FROM Account
```

```
SELECT Id, Name, UserRecordAccess.HasReadAccess
      FROM Account
```

SOQL restrictions:

- When the running user is querying a user's access to a set of records, records that the running user does not have read access to are filtered out of the results.
- When filtering by `UserId` and `RecordId` only, you must use `SELECT RecordId` and optionally one or more of the access level fields:`HasReadAccess`, `HasEditAccess`, `HasDeleteAccess`, `HasTransferAccess`, and `HasAllAccess`. You may include `MaxAccessLevel`.
- When filtering by `UserId`, `RecordId`, and an access level field, you must use `SELECT RecordId` only.

UserRole

Represents a user role in your organization.

Note: This object was called "Role" in previous versions of the API documentation.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

Field	Details
`CaseAccessForAccountOwner`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The case access level for the account owner.
`ContactAccessForAccountOwner`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The contact access level for the account owner. Note: When `DefaultContactAccess` is set to `Controlled by Parent`, you can't create or update this field.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Role Name** in the user interface. This field is available in API version 24.0 and later.

Field	Details
	Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`ForecastUserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the forecast manager associated with this role. Label is **User ID**.
`IsPartner`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the user role is a partner who has access to the partner portal (`true`) or not (`false`). This field is not available for release 9.0 and later. Instead, use `PortalType` with the value `Partner`.
`MayForecastManagerShare`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the forecast manager can manually share their own forecast.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name of the role. Corresponds to **Label** on the user interface.
`OpportunityAccessForAccountOwner`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field	Details
	Description Required. The opportunity access level for the account owner. Note that you can't set a user role with an opportunity access less than that specified in organization-wide defaults.
`ParentRoleId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the parent role.
`PortalRole`	**Type** picklist **Properties** Filter, Nillable **Description** The portal role: Executive, Manager, User, or PersonAccount.
`PortalType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** This value indicates the type of portal for the role: • None: Salesforce application role. • CustomerPortal: Customer portal role. • Partner: partner portal role. The field `IsPartner` used in release 8.0 will map to this value. This field replaces `IsPartner` beginning with release 9.0.
`RollupDescription`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Description of the forecast rollup. Label is **Description**.

Usage

Use this object to query the set of currently configured user roles in your organization. Use it in your client application to obtain valid UserRole IDs to use when querying or modifying a User record.

Users with the View Roles and Role Hierarchy permission can query or describe this object. If your client application logs in with the "Manage Users" permission, it can query, create, update, or delete UserRole records.

Note: You can't update any field for a portal role.

For example, the following code finds all roles that are not assigned to any users.

```
SELECT Id, Name, DeveloperName
FROM UserRole
WHERE Id NOT IN (SELECT UserRoleId
                 FROM User
                 WHERE UserRoleId !='000000000000000')
```

SEE ALSO:

Object Basics

UserServicePresence

Represents a presence user's real-time presence status. This object is available in API version 32.0 and later.

Supported Calls

`delete()`, `query()`, `getDeleted()`, `getUpdated()`, `retrieve()`, `undelete()`

Fields

Field	Details
ConfiguredCapacity	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The user's total configured capacity.
IsAway	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the user's status is `Away`.

Field	Details
`Name`	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** An automatically generated ID number that identifies the record.
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the owner of the `UserServicePresence` entity. For external routing, allows the entity to be used in the Streaming API to listen to events whenever a `UserServicePresence` record is created, modified, or deleted.
`ServicePresenceStatusId`	**Type** reference **Properties** Create, Filter, Nillable, Sort, Update **Description** The ID of the presence status that's associated with the presence user that's specified by the `UserId`.
`UserId`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the Omni-Channel user.

Usage

Apex triggers aren't supported with `UserServicePresence`.

Sharing rules aren't supported with `UserServicePresence` even if the `OwnerId` field is enabled.

In API version 41.0 or later, `UserServicePresence` records can be deleted programmatically. The "Customize Application" permission is required.

UserShare

Represents a sharing entry on a user record. This object is available in API version 26.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Customer Portal users can't access this object.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field	Details
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Read-only. Indicates whether the User has access to log in (`true`) or not (`false`). You can modify a User's active status from the user interface or via the API.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can only write to this field when its value is either omitted or set to `Manual` (default). You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Possible values include: • `Manual`—The User or Group has access to the user record because a User with “All” access manually shared the User with them. • `Rule`—The User or Group has access to the user record via a User sharing rule.
`UserAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the User or Group has to the specified user. The specified user is denoted by the `UserId`. The possible values are:

Field	Details
	• `Read` • `Edit` This field must be set to an access level that is at least equal to the organization's default `UserAccessLevel`. `UserAccessLevel` can be updated only if `RowCause` is set to `Manual Sharing`.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User being shared.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the User or Group that has been given access to the User. This field can't be updated.

Usage

This object allows you to determine which users and groups can view or edit User records owned by other users.

UserTeamMember

Represents a single User on the default opportunity team of another User.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- This object is available only in organizations that have enabled the team selling functionality.
- Customer Portal users can't access this object.

Fields

Field	Details
OpportunityAccessLevel	**Type** picklist **Properties** Create, Filter, Restricted picklist, Update **Description** Required. Level of access that the team member has to opportunities for which the user has added his or her default opportunity team. The possible values are: • Read • Edit This field must be set to an access level that is higher than the organization's default access level for opportunities.
OwnerId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who owns the default opportunity team. This field can't be updated.
TeamMemberRole	**Type** picklist **Properties** Create, Filter, Nillable, Update **Description** Role that the team member has on opportunities for which the User has added his or her default opportunity team. The valid values are set by the organization's administrator in the Opportunity Team Roles picklist. Label is **Team Role**.
UserId	**Type** reference **Properties** Create, Filter **Description** Required. ID of the User who is a member of the default opportunity team. This field can't be updated.

Usage

If you attempt to create a record that matches an existing record, the create request updates any modified fields and returns the existing record.

Users can set up their default opportunity team to include other users that typically work with them on opportunities.

SEE ALSO:

OpportunityTeamMember

UserTerritory

Represents a User who has been assigned to a Territory.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

- Only available if territory management has been enabled for your organization.
- Customer Portal users can't access this object.

Fields

Field	Details
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the user is active in the given territory (`true`), or inactive in the given territory (`false`): • Users who are active in a territory are explicitly assigned to the territory and can have open opportunities, closed opportunities, or no opportunities associated with that territory. • Users who are inactive in a territory are not explicitly assigned to the territory, but own an open or closed opportunity that is associated with the territory. For example, a user may have been transferred out of a territory, but still own opportunities in his or her old territory. Until a user is deleted from a territory (not simply removed from the territory), the record is not returned in a `getDeleted()` call.

Field	Details
IsDeleted	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (`true`) or not (`false`). Label is **Deleted**.
TerritoryId	**Type** reference **Properties** Create, Filter **Description** ID of the Territory to which the user has been assigned. This field is required when creating a record in API version 20.0 and later.
UserId	**Type** reference **Properties** Create, Filter **Description** ID of the user. This field is required when creating a record.

Usage

If a user is inactive in a territory, and the opportunities they own that are associated with the territory are all closed, the user is not returned in the Territories related list on the User page in Setup. Regardless of whether the user is inactive or the opportunities are closed, the user is returned in the Quotas related list.

SEE ALSO:

Territory

AccountTerritoryAssignmentRule

AccountTerritoryAssignmentRuleItem

UserTerritory2Association

Represents an association (by assignment) between a territory and a user record. Available only if Enterprise Territory Management has been enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

If a territory model is in `Active` state, any user can view that model, including its territories and assignment rules. For territories in an active model, any user can view assigned records and assigned users subject to your organization's sharing settings. Users cannot view territory models in other states (such as `Planning` or `Archived`).

Fields

Field Name	Details
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the user is active (`true`) or inactive (`false`) in the given territory.
`RoleInTerritory2`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The role of the user in a territory. Possible values are: Owner, Administrator, Sales Rep. Label is `Role in Territory`.
`Territory2Id`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the territory that the user is assigned to.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user who is assigned to the territory.

VerificationHistory

Represents the past six months of your org users' attempts to verify their identity. This object is available in API version 36.0 and later.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Only users with "Manage Users" permission can access this object.

Fields

Field Name	Details
`Activity`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The action the user attempted that requires identity verification. The label is User Activity. Available values are: • AccessReports—The user attempted to access reports or dashboards. • Apex—The user attempted to access a Salesforce resource with a verification Apex method. • ChangeEmail—The user attempted to change an email address. • ConnectToopher—The user attempted to connect Salesforce Authenticator. • ConnectTotp—The user attempted to connect a one-time password generator. • ConnectU2F—The user attempted to register a U2F security key. • ConnectedApp—The user attempted to access a connected app. • EnableLL—The user attempted to enroll in Lightning Login. • ExportPrintReports—The user attempted to export or print reports or dashboards. • ExtraVerification—Reserved for future use. • Login—The user attempted to log in. • Registration—Reserved for future use. • TempCode—The user attempted to generate a temporary verification code.
`EventGroup`	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** ID of the verification attempt. Verification can involve several attempts and use different verification methods. For example, in a user's session, a user enters an invalid verification code (first attempt). The user then enters the correct code and successfully verifies identity (second attempt). Both attempts are part of a single verification and, therefore, have the same ID. The label is Verification Attempt.
`LoginGeoId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The 18-character ID for the record of the geographic location of the user for a successful or unsuccessful identity verification attempt. Due to the nature of geolocation technology, the accuracy of geolocation fields (for example, country, city, postal code) may vary.
`LoginHistoryId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID for the record of the user's successful or unsuccessful login attempt.
`Policy`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The identity verification security policy or setting. The label is Triggered By. Available values are: • CustomApex—Identity verification made by a verification Apex method. • DeviceActivation—Identity verification required for users logging in from an unrecognized device or new IP address. This verification is part of Salesforce's risk-based authentication. • EnableLightningLogin—Identity verification required for users enrolling in Lightning Login. This verification is triggered when the user attempts to enroll. Users are eligible to enroll if they have the "Lightning Login User" user permission and the org has enabled "Allow Lightning Login" in Session Settings. • ExtraVerification—Reserved for future use.

Field Name	Details
	• HighAssurance—High assurance session required for resource access. This verification is triggered when the user tries to access a resource, such as a connected app, report, or dashboard that requires a high-assurance session level. • LightningLogin—Identity verification required for internal users logging in via Lightning Login. This verification is triggered when the enrolled user attempts to log in. Users are eligible to log in if they have the "Lightning Login User" user permission, have successfully enrolled in Lightning Login, and the org has enabled "Allow Lightning Login" in Session Settings. • PageAccess—Identity verification required for users attempting to perform an action, such as changing an email address or adding a two-factor authentication method. • PasswordlessLogin—Identity verification required for external users attempting to log in to a community that is set up for passwordless login. The admin controls which registered verification methods can be used, for example, email, SMS, Salesforce Authenticator, or TOTP. • ProfilePolicy—Session security level required at login. This verification is triggered by the "Session security level required at login" setting on the user's profile. • TwoFactorAuthentication—Two-factor authentication required at login. This verification is triggered by the "Two-Factor Authentication for User Interface Logins" user permission assigned to a custom profile. Or, the user permission is included in a permission set that is assigned to a user.
`Remarks`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The text the user sees on the screen or in Salesforce Authenticator when prompted to verify identity. For example, if identity verification is required for a user's login, the user sees "You're trying to Log In to Salesforce". In this instance, the `Remarks` value is "Log In to Salesforce". The exception is when the `Activity` value is Apex. In this instance, the `Remarks` value is a custom description passed by the Apex method. If the user is verifying identity using the Salesforce Authenticator app, the custom description displays in the app as well. If the custom description isn't specified, the default value is the name of the Apex method. The label is Activity Message.
`ResourceId`	**Type** reference **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description If the `Activity` value is ConnectedApp, the `ResourceId` value is the ID of the connected app. The label is Connected App ID.
`SourceIp`	**Type** string **Properties** Filter, Group, Sort **Description** The IP address of the machine from which the user attempted the action that requires identity verification. For example, the IP address of the machine from where the user tried to log in or access reports. If it's a non-login action that required verification, the IP address can be different from the address from where the user logged in. This address can be an IPv4 or IPv6 address.
`Status`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The status of the identity verification attempt. Available values are: • AutomatedSuccess—Salesforce Authenticator approved the request for access because the request came from a trusted location. After users enable location services in Salesforce Authenticator, they can designate trusted locations. When a user trusts a location for a particular activity, such as logging in from a recognized device, that activity is approved from the trusted location for as long as the location is trusted. • Denied—The user denied the approval request in the authenticator app, such as Salesforce Authenticator. • FailedGeneralError—An error caused by something other than an invalid verification code, too many verification attempts, or authenticator app connectivity. • FailedInvalidCode—The user provided an invalid verification code. • FailedTooManyAttempts—The user attempted to verify identity too many times. For example, the user entered an invalid verification code repeatedly. • Initiated—Salesforce initiated identity verification but hasn't yet challenged the user. • InProgress—Salesforce challenged the user to verify identity and is waiting for the user to respond or for Salesforce Authenticator to send an automated response. • RecoverableError—Salesforce can't reach the authenticator app to verify identity, but will retry.

Field Name	Details
	• ReportedDenied—The user denied the approval request in the authenticator app, such as Salesforce Authenticator, and also flagged the approval request to report to an administrator. • Succeeded—The user's identity was verified.
UserId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the user verifying identity.
VerificationMethod	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The method by which the user attempted to verify identity in the verification event. The label is Method. Available values are: • Email—Salesforce sent an email with a verification code to the address associated with the user's account. • EnableLL—Salesforce Authenticator sent a notification to the user's mobile device to enroll in Lightning Login. This value is available in API version 38.0 and later. • LL—Salesforce Authenticator sent a notification to the user's mobile device to approve login via Lightning Login. This value is available in API version 38.0 and later. • SalesforceAuthenticator—Salesforce Authenticator sent a notification to the user's mobile device to verify account activity. • Sms—Salesforce sent a text message with a verification code to the user's mobile device. • TempCode—A Salesforce admin or a user with the "Manage Two-Factor Authentication in User Interface" permission generated a temporary verification code for the user. This value is available in API version 37.0 and later. • Totp—An authenticator app generated a time-based, one-time password (TOTP) on the user's mobile device. • U2F—A U2F security key generated required credentials for the user. This value is available in API version 38.0 and later.
VerificationTime	**Type** dateTime

Field Name	Details
	Properties Filter, Sort **Description** The time of the identity verification attempt. The time zone is based on GMT. The label is Time.

Usage

Here are two examples of the types of API queries you can perform.

Query	String
Show verification history for a user's login record	`SELECT Activity, EventGroup, Policy, Remarks, Status, UserId,VerificationMethod, VerificationTime FROM VerificationHistory WHERE LoginHistoryId = '0YaD000#########'`
Get detailed geographic location information for a user's verification attempt	`SELECT City, CountryIso, Latitude, Longitude, PostalCode FROM LoginGeo WHERE LoginGeoId = '0LE###############'`

VisualforceAccessMetrics

Represents summary statistics for Visualforce pages.

Supported Calls

`count()`, `query()`, `retrieve()`

Fields

Field	Details
`ApexPageId`	**Type** reference **Properties** Aggregate, Filter, Group, Sort **Description** The ID of the Visualforce page.
`DailyPageViewCount`	**Type** integer

Field	Details
	Properties Aggregate, Filter, Group, Nillable, Sort **Description** The number of views received by the specified Visualforce page.
MetricsDate	**Type** date **Properties** Aggregate, Filter, Group, Sort **Description** The date the metrics are queried.

Usage

Use this object to query information on the Visualforce pages in your org.

```
SELECT ApexPageId,DailyPageViewCount,Id,MetricsDate FROM VisualforceAccessMetrics
```

VoiceCall

Represents a Lightning Dialer phone call.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Fields

Field Name	Details
CallDisposition	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The status of a phone call, such as whether a phone call is in progress, busy, or failed.
CallDurationInSeconds	**Type** int

Field Name	Details
	Properties Filter, Group, Nillable, Sort **Description** The total call duration in seconds.
CallEndDateTime	**Type** dateTime **Properties** Filter, Sort **Description** The time when a call ends.
CallerIdType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The number displayed for outbound calls. The possible values are: • VendorLine • CompanyNumber • LocalPresence
CallStartDateTime	**Type** dateTime **Properties** Filter, Sort **Description** The time when a call starts.
CallType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Whether a call is internal, inbound, or outbound.
ConferenceKey	**Type** string **Properties** Filter, Group, Nillable, Sort

Field Name	Details
	Description The related conference key. This field's only available if call monitoring is enabled.
CurrencyCode	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The currency used to bill the call.
FromCountry	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The country that the context user is dialing from.
FromPhoneNumber	**Type** phone **Properties** Filter, Group, Sort **Description** The phone number of the user who initiated the call.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this VoiceCall.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this VoiceCall. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.

Field Name	Details
OwnerId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user who owns the phone number.
Price	**Type** double **Properties** Filter, Nillable, Sort **Description** The cost of the phone call.
RelatedRecordId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the related record.
ToCountry	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The country that is being called.
ToPhoneNumber	**Type** phone **Properties** Filter, Group, Sort **Description** The recipient of the phone call.
UserId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the Dialer user.

Field Name	Details
VendorCallKey	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID of the child leg of the call that's provided by the Dialer vendor.
VendorParentCallKey	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The ID of the parent leg of the call that's provided by the Dialer vendor.
VendorType	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Whether the vendor is Twilio or a custom vendor.
VoiceVendorLineId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the associated Dialer vendor line.

VoiceCallList

Represents a prioritized list of numbers to call.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Whether the call list is active or not.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the call list.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the call list owner.

VoiceCallListItem

Represents a single phone number in a prioritized call list.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CallListId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the related call list.
`Ordinal`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The order of the item in the overall call list.
`RelatedRecordId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the related record.
`State`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Whether the call list item is not called, called, or skipped.

VoiceCallListShare

Represents a sharing entry on a VoiceCallList.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description Level of access that the user or group has to the VoiceCallList. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization’s default access level for call lists.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceCallList that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. Valid values include: • Owner • Manual • Rule
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the call list. This field can’t be updated.

VoiceCallShare

Represents a sharing entry on a VoiceCall object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceCall. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for Dialer calls.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceCall that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. Valid values include: • Owner • Manual • Rule
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The ID of the user or group that was given access to the Dialer call. This field can't be updated.

VoiceCoaching

Represents a call that is using call monitoring.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`OwnerId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the manager monitoring the call.
`RelatedRecordId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the call list owner.
`TraineeId`	**Type** reference **Properties** Filter, Group, Sort, Unique **Description** The ID of the call list owner.

VoiceCoachingShare

Represents a sharing entry on a VoiceCoaching record.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceCoaching record. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for call lists.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceCoaching record that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. Valid values include: • Owner • Manual • Rule

Field Name	Details
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the record. This field can't be updated.

VoiceLocalPresenceNumber

Represents a phone number with the same area code as the person who's being called.

Supported Calls

`query()`, `retrieve()`

Fields

Field Name	Details
CountryCode	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The country code of the phone number.
LastUsedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date the phone number was last used.
PhoneNumber	**Type** phone **Properties** Filter, Group, Sort **Description** The local presence phone number.

Field Name	Details
Prefix	**Type** reference **Properties** Filter, Group, Sort **Description** The area code of the phone number.

VoiceMailContent

Represents a voicemail message left by a caller to the context user.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
DurationInSeconds	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The duration of the voicemail message in seconds.
FirstHeardDateTime	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time and date when the user first listened to the voicemail message.
MediaContentId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The ID of the related media content, a ContentDocument. The record counts toward your org's file storage quota.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the voicemail message.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the owner of the voicemail message.
`VoiceCallId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the related Dialer call.

VoiceMailContentShare

Represents a sharing entry on a VoiceMailContent.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceMailContent. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for voicemail messages.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceMailContent that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. Valid values include: • Owner • Manual • Rule
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the voicemail message. This field can't be updated.

VoiceMailGreeting

Represents a custom greeting message that plays upon reaching a user's voicemail. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`DurationInSeconds`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The duration of the voicemail greeting message in seconds.
`IsDefault`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Whether the greeting is the user's default greeting (`true`) or not (`false`).
`MediaContentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** ID of the related content document.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the voicemail greeting message.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the voicemail greeting message owner.

VoiceMailGreetingShare

Represents a sharing entry on a VoiceMailGreeting. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceMailGreeting. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for voicemail messages.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceMailGreeting that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in versions 32.0 and later with the correct organization-wide sharing settings.
`UserOrGroupId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the voicemail greeting message. This field can't be updated.

VoiceMailMessage

Represents a prerecorded voicemail message.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`DurationInSeconds`	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The duration of a prerecorded voicemail message in seconds.
`IsDefault`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Specifies whether the message is the context user's default voicemail drop message.
`MediaContentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the file.

Field Name	Details
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the prerecorded voicemail message.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The owner of the prerecorded voicemail message.

VoiceMailMessageShare

Represents a sharing entry on a VoiceMailMessage.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceMailMessage. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization’s default access level for voicemail messages.

Field Name	Details
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceMailMessage that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. Valid values include: • Owner • Manual • Rule
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the prerecorded voicemail message. This field can't be updated.

VoiceUserLine

Represents a user's forwarding phone number.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
IsVerified	**Type** boolean

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Reserved for future use.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort **Description** The name of the phone number.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The ID of the user who owns the phone number.
`PhoneNumber`	**Type** phone **Properties** Create, Filter, Group, Sort, Update **Description** The user's phone number.
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the user using the phone number.

VoiceUserLineShare

Represents a sharing entry on a user's phone number.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceUserLine. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for phone numbers.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the parent object, if any.
`RowCause`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the VoiceUserLine.

VoiceUserPreferences

Represents the number the user displays when making outbound calls. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CallerIdType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The number displayed for outbound calls. The possible values are: • VendorLine • CompanyNumber • LocalPresence
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the phone number owner.

VoiceUserPreferencesShare

Represents a sharing entry on a VoiceUserPreferences object. This object is available in API version 41.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceUserPreferences. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization’s default access level for phone numbers.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the VoiceUserPreferences that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in versions 32.0 and later with the correct organization-wide sharing settings.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the phone number preference. This field can’t be updated.

VoiceVendorInfo

Represents information about the Lightning Dialer provider's vendor.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Fields

Field Name	Details
`CompanyNumber`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The standard company number that users can choose to display when making outgoing calls.
`IsActive`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Specifies whether the vendor is active or not.
`LocalPresenceDefaultNumber`	**Type** phone **Properties** Filter, Group, Nillable, Sort **Description** The default routing number that's available for incoming local presence calls.
`VendorAccountKey`	**Type** string **Properties** Filter, Group, idLookup, Sort **Description** The account key of the vendor.
`VendorProviderName`	**Type** string

Field Name	Details
	Properties Filter, Group, Sort **Description** The name of the vendor.
VendorType	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The type of vendor.

VoiceVendorLine

Represents a user's phone number reserved with the vendor.

Supported Calls

describeSObjects(), getDeleted(), getUpdated(), query(), retrieve()

Fields

Field Name	Details
CallUsageInSecondsLastMonth	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** An org's total call usage last month in seconds.
OwnerId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the user who owns the phone number.
PhoneNumber	**Type** phone

Field Name	Details
	Properties Filter, Group, idLookup, Sort, Update **Description** The unique vendor phone number.
`ShouldRecord`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Reserved for future use.
`Status`	**Type** boolean **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** Specifies whether the number is currently active or released.
`UserId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the user using the phone number.
`VoiceVendorInfoId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the Dialer vendor.

VoiceVendorLineShare

Represents a sharing entry on a vendor's phone number.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the VoiceVendorLine. The possible values are: • Read • Edit • All This field must be set to an access level higher than the organization's default access level for phone numbers.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the parent object, if any.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** Reason that this sharing entry exists. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that has been given access to the VoiceVendorLine.

Vote

Represents a vote that a user has made on an Idea or a Reply.

Note: In API version 16.0 and earlier, SOQL queries on the Vote object only return votes for the Idea object. Starting in API version 17.0, SOQL queries return votes for both Idea and Reply.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field	Details
`IsDeleted`	**Type** boolean **Properties** Defaulted on create, Filter **Description** Indicates whether the object has been moved to the Recycle Bin (true) or not (false). Label is **Deleted**.
`LastModifiedById`	**Type** reference **Properties** Defaulted on create, Filter, Group, Sort **Description** ID of the user most recently associated with this vote.
`LastModifiedDate`	**Type** dateTime **Properties** Defaulted on create, Filter, Sort **Description** The datetime when this vote was last modified.
`ParentId`	**Type** reference **Properties** Group, Sort, Create, Filter **Description** ID of the Idea or Reply associated with this vote.
`Type`	**Type** picklist **Properties** Group, Sort, Create, Filter, Restricted picklist, Update

Field	Details
	Description Picklist that indicates the type of vote. The value `Up` indicates that the vote is a user's positive endorsement of the associated idea or reply. The value `Down` indicates that the vote is a user's negative endorsement of the associated idea or reply.

Note: If you are importing Vote data into Salesforce and need to set the value for an audit field, such as `CreatedDate`, contact Salesforce. Audit fields are automatically updated during API operations unless you request to set these fields yourself..

Usage

In version 12.0 and later, use this object to track the votes that users made on ideas. For more information on ideas, see "Ideas Overview" in the Salesforce online help.

In version 17.0 and later, use this object to track the votes users made on replies. For more information, see "Answers Overview" in the Salesforce online help.

In version 17.0 and later, you must filter using the following syntax when querying this object in a SOQL query: `ParentId = `***`single ID`***, `Parent.Type = `***`single Type`***, `Id = `***`single ID`***, or `Id IN (`***`list of IDs`***`)`. See Comparison Operators in the *Salesforce SOQL and SOSL Reference Guide* for a sample query.

A SOQL query must filter using one of the following Parent or Id clauses.

- `ParentId = [`***`single ID`***`]`
- `Parent.Type = [`***`single type`***`]`
- `Id = [`***`single ID`***`]`
- `Id IN = [`***`list of IDs`***`]`

SEE ALSO:

Idea

IdeaComment

WebLink

Represents a custom link to a URL or Scontrol.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `update()`, `upsert()`

Special Access Rules

- To create a custom link, the client application must be logged in with the "Customize Application" permission.
- Customer Portal users can't access this object.

Fields

Field Name	Details
Availability	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description**
Description	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** Description of the custom link. Limit is 1,000 characters.
DisplayType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Type of display: button, link, or mass-action button.
EncodingKey	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. Encoding of parameters on the URL link.
HasMenubar	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the popup window shows a menu bar (`true`) or not (`false`).
HasScrollbars	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description Indicates whether the popup window shows scroll bars (`true`) or not (`false`).
`HasToolbar`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the popup window shows browser toolbars (`true`) or not (`false`). Toolbars normally contain navigation buttons like Back, Forward, and Print.
`Height`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Height of the popup in pixels.
`IsProtected`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the object is protected (`true`) or not (`false`). Protected components that have been installed in other organizations can't be linked to or referenced by components created in the subscriber organization. A developer can easily delete a protected component contained in a managed package in a future release of the package without worrying about failing installations. However, once a component is marked as unprotected and is released globally, the developer can't delete it.
`IsResizable`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether users are allowed to resize the popup window (`true`) or not (`false`).
`LinkType`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. Type of link (S-control or URL).
`MasterLabel`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Master label for the link. Limit is 240 characters. This display value is the internal label that is not translated.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Required. Name to display on page.
`NamespacePrefix`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***`namespacePrefix__componentName`*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, `NamespacePrefix` is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects. This field can't be accessed unless the logged-in user has the "Customize Application" permission.

Field Name	Details
OpenType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Required. How the custom link opens when clicked in a browser—NewWindow, Sidebar, or NoSidebar.
PageOrSobjectType	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort **Description** Required. For standard objects, the name of the page on which to display the custom link. For custom objects, the name of the object.
Position	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Location on the screen where the popup should open—TopLeft, FullScreen, or None.
RequireRowSelection	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the custom link requires a row selection (`true`) or not (`false`).
ScontrolId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** ID of the custom s-control object (Scontrol) to link to. Can include fields as tokens within the custom s-control object. Label is **Custom S-Control ID**.
ShowsLocation	**Type** boolean

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the popup window shows the browser's address bar containing the URL (`true`) or not (`false`).
`ShowsStatus`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Show the status bar at the bottom of the browser.
`Url`	**Type** textarea **Properties** Create, Nillable, Update **Description** Required. URL of the page to link to. Can include fields as tokens within the URL. Limit: 1,024 KB.
`Width`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Width of the popup in pixels.

Usage

Use this object to programmatically manage custom links, which allow client applications to integrate data with external URLs, an organization's intranet, or other back-end office systems. A custom link can point to:

- An external URL, such as `www.google.com` or your company's intranet.
- A custom s-control, such as a Java applet or Active-X control.

Custom links can include fields as tokens within the URL or custom s-control.

SEE ALSO:

Scontrol

WebLinkLocalization

Represents the translated value of the field label for a custom link to a URL or s-control when the Translation Workbench is enabled for your organization.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

- Your organization must be using Professional, Enterprise, Developer, Unlimited, or Performance Edition and be enabled for the Translation Workbench.
- To view this object, you must have the “View Setup and Configuration” permission.

Fields

Field	Details
`LanguageLocaleKey`	**Type** picklist **Properties** Create, Filter, Nillable, Restricted picklist **Description** This field is available in API version 16.0 and earlier. It is the same as the `Language` field.
`Language`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** This field is available in API version 17.0 and later. The combined language and locale ISO code, which controls the language for labels displayed in an application. This picklist contains the following fully-supported languages: • Chinese (Simplified): `zh_CN` • Chinese (Traditional): `zh_TW` • Danish: `da` • Dutch: `nl_NL` • English: `en_US` • Finnish: `fi`

Field	Details
	• French: `fr` • German: `de` • Italian: `it` • Japanese: `ja` • Korean: `ko` • Norwegian: `no` • Portuguese (Brazil): `pt_BR` • Russian: `ru` • Spanish: `es` • Spanish (Mexico): `es_MX` • Swedish: `sv` • Thai: `th` The following end-user only languages are available. • Arabic: `ar` • Bulgarian: `bg` • Croatian: `hr` • Czech: `cs` • English (UK): `en_GB` • Greek: `el` • Hebrew: `iw` • Hungarian: `hu` • Indonesian: `in` • Polish: `pl` • Portuguese (European): `pt_PT` • Romanian: `ro` • Slovak: `sk` • Slovenian: `sl` • Turkish: `tr` • Ukrainian: `uk` • Vietnamese: `vi` The following platform languages are available for organizations that use Salesforce exclusively as a platform. • Albanian: `sq` • Arabic (Algeria): `ar_DZ` • Arabic (Bahrain): `ar_BH` • Arabic (Egypt): `ar_EG` • Arabic (Iraq): `ar_IQ` • Arabic (Jordan): `ar_JO`

Field	Details
	• Arabic (Kuwait): `ar_KW` • Arabic (Lebanon): `ar_LB` • Arabic (Libya): `ar_LY` • Arabic (Morocco): `ar_MA` • Arabic (Oman): `ar_OM` • Arabic (Qatar): `ar_QA` • Arabic (Saudi Arabia): `ar_SA` • Arabic (Sudan): `ar_SD` • Arabic (Syria): `ar_SY` • Arabic (Tunisia): `ar_TN` • Arabic (United Arab Emirates): `ar_AE` • Arabic (Yemen): `ar_YE` • Armenian: `hy` • Basque: `eu` • Bosnian: `bs` • Bengali: `bn` • Catalan: `ca` • Chinese (Simplified—Singapore): `zh_SG` • Chinese (Traditional—Hong Kong): `zh_HK` • Dutch (Belgium): `nl_BE` • English (Australia): `en_AU` • English (Canada): `en_CA` • English (Hong Kong): `en_HK` • English (India): `en_IN` • English (Ireland): `en_IE` • English (Malaysia): `en_MY` • English (Philippines): `en_PH` • English (Singapore): `en_SG` • English (South Africa): `en_ZA` • Estonian: `et` • French (Belgium): `fr_BE` • French (Canada): `fr_CA` • French (Luxembourg): `fr_LU` • French (Switzerland): `fr_CH` • Georgian: `ka` • German (Austria): `de_AT` • German (Belgium): `de_BE` • German (Luxembourg): `de_LU`

Field	Details
	• German (Switzerland): `de_CH` • Hindi: `hi` • Icelandic: `is` • Irish: `ga` • Italian (Switzerland): `it_CH` • Latvian: `lv` • Lithuanian: `lt` • Luxembourgish: `lb` • Macedonian: `mk` • Malay: `ms` • Maltese: `mt` • Romanian (Moldova): `ro_MD` • Montenegrin: `sh_ME` • Romansh: `rm` • Serbian (Cyrillic): `sr` • Serbian (Latin): `sh` • Spanish (Argentina): `es_AR` • Spanish (Bolivia): `es_BO` • Spanish (Chile): `es_CL` • Spanish (Colombia): `es_CO` • Spanish (Costa Rica): `es_CR` • Spanish (Dominican Republic): `es_DO` • Spanish (Ecuador): `es_EC` • Spanish (El Salvador): `es_SV` • Spanish (Guatemala): `es_GT` • Spanish (Honduras): `es_HN` • Spanish (Nicaragua): `es_NI` • Spanish (Panama): `es_PA` • Spanish (Paraguay): `es_PY` • Spanish (Peru): `es_PE` • Spanish (Puerto Rico): `es_PR` • Spanish (United States): `es_US` • Spanish (Uruguay): `es_UY` • Spanish (Venezuela): `es_VE` • Tagalog: `tl` • Tamil: `ta` • Urdu: `ur` • Welsh: `cy`

Field	Details
	The values in this field are not related to the default locale selection.
NamespacePrefix	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The namespace prefix associated with this object. Each Developer Edition organization that creates a managed package has a unique namespace prefix. Limit: 15 characters. You can refer to a component in a managed package by using the ***namespacePrefix__componentName*** notation. The namespace prefix can have one of the following values: • In Developer Edition organizations, the namespace prefix is set to the namespace prefix of the organization for all objects that support it. There is an exception if an object is in an installed managed package. In that case, the object has the namespace prefix of the installed managed package. This field's value is the namespace prefix of the Developer Edition organization of the package developer. • In organizations that are not Developer Edition organizations, NamespacePrefix is only set for objects that are part of an installed managed package. There is no namespace prefix for all other objects.
Value	**Type** string **Properties** Create, Filter, Nillable, Sort, Update **Description** The actual translated label of the custom link. Label is **Translation**.
WebLinkId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the WebLink that is being translated.

Usage

Use this object to translate your custom links to URLs or s-controls into the different languages supported by Salesforce. Users with the Translation Workbench enabled can view custom link translations, but either the "Customize Application" or "Manage Translation" permission is required to create or update custom link translations.

SEE ALSO:

CategoryNodeLocalization

ScontrolLocalization

WorkAccess

Used to grant or restrict user access to give badge definitions. Each badge definition record must have one WorkAccess record.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

WorkAccess is not available through Schema Builder and is not customizable. A WorkAccess record is **required** for users to **Give** BadgeDefinitions. If a WorkAccess record is not created, BadgeDefinitions will not be available to users.

The sharing of WorkAccess records is through WorkAccessShare on page 2436 For each WorkBadgeDefinition record, you must create both a WorkAccess record (per WorkBadgeDefinition) and WorkAccessShare records for sharing to users or groups.

Fields

Field Name	Details
`AccessType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Define the type of Access given to user ("Give").
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Salesforce unique ID for owner of Access record.

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Salesforce unique ID for BadgeDefinition record associated with this Access record.

WorkAccessShare

Used to control Givers of WorkBadgeDefinition records.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Additional Considerations and Related Objects

Related to WorkAccess Object. WorkAccess is the parent of WorkAccessShare.

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** CRUD Access Level (picklist values: Read Only, Read/Write, Owner).
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID for WorkAccess record.

Field Name	Details
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Owner or Manual sharing. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** User or Group ID for WorkAccess.

WorkBadge

Represents information about who the badge was given to and which badge was given. A WorkBadge record is created for each recipient of a WorkBadgeDefinition.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

WorkBadge is a lookup to WorkThanks. Each WorkBadge record must derive a SourceId from WorkThanks. There can be multiple WorkBadge records tied to a single WorkThanks record.

Fields

Field Name	Details
DefinitionId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. Salesforce unique ID for the given WorkBadgeDefinition record given.

Field Name	Details
Description	**Type** textarea **Properties** Nillable **Description** The description of the WorkBadgeDefinition.
GiverId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the badge giver.
ImageUrl	**Type** url **Properties** Filter, Group, Nillable, Sort **Description** The URL of the badge image.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkBadge.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this WorkBadge. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
Message	**Type** textarea **Properties** Nillable

Field Name	Details
	Description The message accompanying the thanks badge.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the community that this WorkBadge is associated with. This field is available only if Salesforce Communities is enabled in your organization.
`RecipientId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Required. Salesforce unique ID for User who is the Recipient of Badge.
`RewardId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce unique ID for Reward given with badge (if Reward Badge)
`SourceId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Salesforce unique ID for Thanks record referenced to this badge.

WorkBadgeDefinition

Represents the attributes of a badge including the badge name, description, and image. Each WorkBadge record must have a lookup to a WorkBadgeDefinition since badge attributes (like badge name) are derived from the WorkBadgeDefinition object.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

WorkBadgeDefinition has a field called `ImageUrl` that references a DocumentID. This is a required field for creating a Badge.

To grant "giver" access to a WorkBadgeDefinition, you must also create the WorkAccess (and the related WorkAccessShare) records.

Each WorkBadgeDefinition has an `ImageUrl` field that must be populated with a DocumentID of the Document record containing the badge image.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Update **Description** Required. Limit: 4000 characters. The description of the badge and what it means to receive this badge.
`GivenBadgeCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of badges given per user or across all users. Note: This field can't be added in a list view or referenced in a formula field.
`ImageUrl`	**Type** url **Properties** Create, Filter, Group, Sort, Update **Description** Required. This is the badge image that will be displayed in the UI. Use DocumentID or ImageURL.
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Represents whether a WorkBadgeDefinition is active and available in the UI.

Field Name	Details
IsCompanyWide	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Represents a special class of badges known as Company Badges. Company badges are visible to the entire company and visible in specific list view filters. Note: If this field is selected, everyone within the user's network will be able to give the badge automatically. If this field is not selected, people with sharing must be added to the badge's access list in order to give the badge.
IsLimitPerUser	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the badge limit is per user (`true`) or across all users (`false`). The default value is `false`.
IsRewardBadge	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the badge is a reward badge (`true`) or not (`false`).
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkBadgeDefinition.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The time stamp that indicates when the current user last viewed this WorkBadgeDefinition. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
`LimitNumber`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The badge limit per user or across all users.
`LimitStartDate`	**Type** dateTime **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The start date of the badge limit. The date can be reset to the current date.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** Required. Name of the Badge. **Label:** Badge Title.
`NetworkId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the community that this WorkBadgeDefinition is associated with. This field is available only if Salesforce Communities is enabled in your organization.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Salesforce User ID for User who is the Owner of the WorkBadgeDefinition record (usually the creator of the record)

Field Name	Details
RewardFundId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce unique ID for the WorkRewardFund that is associated with this WorkBadgeDefinition. WorkBadgeDefinition records with a RewardFundID indicate a Reward Badge.

WorkBadgeDefinitionHistory

Represents the history of changes to the values in the fields of a WorkBadgeDefinition object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Type of change (e.g., created).
NewValue	**Type** Any Type **Properties** Nillable, Sort **Description** Updated value of record.
OldValue	**Type** Any Type **Properties** Nillable, Sort

Field Name	Details
	Description Previous value of record.
`WorkBadgeDefinitionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of WorkBadgeDefinition record.

WorkBadgeDefinitionShare

Represents a sharing entry on a WorkBadgeDefinition object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the work badge definition. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records This field must be set to an access level that is higher than the organization's default access level for work badge definitions.
`ParentId`	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Sort **Description** ID of the WorkBadgeDefinition object that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkBadgeDefinition or is in a user role above the WorkBadgeDefinition owner in the role hierarchy. • Manual: User or group has access, because a user with “All” access manually shared the WorkBadgeDefinition with the user or group. • Rule: User or group has access via a WorkBadgeDefinition sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the work badge definition. This field can’t be updated.

WorkCoaching

Represents a single coaching relationship between two users. One of the users is defined as the coach and the other is defined as a coachee. WorkCoaching is feed-enabled so there is a private feed available to the coach and coachee.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CoachId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** [Required] The coach in this 1:1 coaching relationship.
`CoachedId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** [Required] The user being coached in this 1:1 coaching relationship.
`IsInactive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the coaching relationship is *`Inactive`* (`true`) or not (`false`).
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this coaching relationship.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this coaching relationship. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.

Field Name	Details
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** [Required] The record's name. Max length is 255 characters.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the contact who owns the WorkCoaching record.

WorkCoachingFeed

Represents a single feed item in the feed on the detail page for a coaching record.

A coaching feed shows recent changes to a lead record for any fields that are tracked in feeds, and posts and comments about the record. It's a useful way to stay up-to-date with changes made to coaching in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

You can delete all feed items that you created. To delete feed items that you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the WorkCoachingFeed object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort

Field Name	Details
	Description The content of the FeedItem. Required when Type is TextPost. Optional when Type is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file that is uploaded to the feed. Required if Type is ContentPost. The name of the file that is uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The size of the file (in bytes) that is uploaded to the feed.
ContentType	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The MIME type of the file that is uploaded to the feed.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, InsertedById is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>`

Field Name	Details
	• `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes that are associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. If Salesforce Communities is enabled for your organization, this field is available in API version 28.0 and later. `NetworkScope` can have the following values. • `NetworkId`: The ID of the community in which the FeedItem is available. If left empty, the feed item is available only in the default community. • `AllNetworks`: The feed item is available in all communities. Note the following exceptions for `NetworkScope`. • Only feed items with a CollaborationGroup or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`.

Field Name	Details
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the WorkCoaching record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of type ContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence.

Field Name	Details
	• `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case.

Field Name	Details
	• `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case. Note: If you set Type to ContentPost, also specify ContentData and ContentFileName.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The visibility of a FeedItem: • AllUsers: visible to all users • InternalUsers: visible to internal users

WorkCoachingHistory

Represents the history of changes to the values in the fields of a WorkCoaching object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`WorkCoachingId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the WorkCoaching object.

WorkCoachingShare

Represents a sharing entry on a WorkCoaching object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update

Field Name	Details
	Description The user's or group's level of access to the coaching relationship. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for coaching relationships.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkCoaching object that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the coaching relationship or is in a user role above the coaching relationship owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the coaching relationship with the user or group. • Rule: User or group has access via a sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the coaching relationship. This field can't be updated.

WorkFeedback

Represents the answer to a question that a person was asked via a feedback request. Also used to store offered feedback without linking it to a particular question.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`,`search()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

- Ownership is transferred to the requester on submit for certain types (ad-hoc feedback).
- The record is read-only after the request that it's linked to is set to Submitted.
- You can't link a feedback object to a request unless you are the recipient.
- The question that the feedback is linked to must be part of the same question set that the request is linked to.

Fields

Field Name	Details
`Feedback`	**Type** textarea **Properties** Create, Nillable, Update **Description** Contains either the free-form text of the answer, or the choice selected by the user. Max length is 65536.
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The name of the WorkFeedback record.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the WorkFeedback record.

Field Name	Details
QuestionId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The question this answer applies to. When this feedback is linked to a request of an unsolicited type, the question ID is null.
RequestId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the request this response belongs to, in case of offered feedback.

WorkFeedbackHistory

Represents the history of changes to the values in the fields of a WorkFeedback object. Access is read-only.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.

Field Name	Details
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
WorkFeedbackId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the WorkFeedback object.

WorkFeedbackQuestion

Represents a free-form text type or multiple choice question within a set of questions.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
Choices	**Type** textarea **Properties** Create, Nillable, Update **Description** New-line separated list of valid choices for multiple choice questions. Maximum length is 1000 characters.
Detail	**Type** textarea **Properties** Create, Nillable, Update

Field Name	Details
	Description Detailed instructions on how to answer the question.
IsConfidentialAnswer	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Answers to questions marked confidential will not be shared with the subject of the review. This field applies only to performance summaries.
IsOptional	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If this option is selected, the question is optional and isn't required to be answered. This field applies only to performance summaries.
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** A short description of the question, which can be used as a header for reports and Calibration.
Number	**Type** int **Properties** Create, Filter, Group, Sort, Update **Description** The order of the question that is displayed within the question set, such as question number three in a question set that has five questions.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the WorkFeedbackQuestion.

Field Name	Details
QuestionSetId	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The question set this question is a part of.
Text	**Type** textarea **Properties** Create, Update **Description** The body of the question. Max length is 16384 characters.
Type	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Allows for either a free-form text answer or a multiple choice question defined by new-line separate choices in the 'Choices' field. Valid picklist values are: • MultipleChoice • FreeText • Rating

WorkFeedbackQuestionHistory

Represents the history of changes to the values in the fields of a WorkFeedbackQuestion.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Field	**Type** picklist

Field Name	Details
	Properties Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`WorkFeedbackQuestionId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the WorkFeedbackQuestion.

WorkFeedbackQuestionSet

Represents a set of questions being asked. The question set is used to link all the individual requests where different recipients were asked the same set of questions on the same subject.

In the Work.com performance application, a question set defines the type of summaries and their due dates that will accompany the deployment of a specific performance summary cycle.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`DueDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date that this specific question set is expected to be submitted by the recipient. This field applies only to performance summaries.
`FeedbackType`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The description of the collection of questions that are written in context to the type of recipient answering them, relative to the subject of the summary. This field applies only to performance summaries.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the question set. Maximum length is 225 characters.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the WorkFeedbackQuestionSet.
`PerformanceCycleId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** If a question set is associated to a performance summary cycle, then that cycle ID is referenced in this field. This field applies only to performance summaries.

WorkFeedbackQuestionSetHistory

Represents the history of changes to the values in the fields of a WorkFeedbackQuestionSet object. Access is read-only.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`WorkFeedbackQuestionSetId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the WorkFeedbackQuestionSet object.

WorkFeedbackQuestionSetShare

Represents a sharing entry on a WorkFeedbackQuestionSet.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the feedback question set. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for feedback question sets.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkFeedbackQuestionSet object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkFeedbackQuestionSet or is in a user role above the WorkFeedbackQuestionSet owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the WorkFeedbackQuestionSet with the user or group. • Rule: User or group has access via a WorkFeedbackQuestionSet sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the feedback question set. This field can't be updated.

WorkFeedbackQuestionShare

Represents a sharing entry on a WorkFeedbackQuestion.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the feedback question. The possible values are:

Field Name	Details
	• Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for feedback questions.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkFeedbackQuestion object that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkFeedbackQuestion or is in a user role above the WorkFeedbackQuestion owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the WorkFeedbackQuestion with the user or group. • Rule: User or group has access via a WorkFeedbackQuestion sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the feedback question. This field can't be updated.

WorkFeedbackRequest

Represents a single feedback request on a subject or topic (question) to a single recipient in the feedback application. In the case of offered feedback, WorkFeedbackRequest represents feedback that is offered about a subject. In the performance application, WorkFeedbackRequest represents a request for feedback on a set of questions from a question set, on a subject—for the recipient to complete and submit.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

- After a request's state is changed to Submitted, fields can't be changed, except for LastSharedDate and IsUnreadByOwner.
- If LastRemindDate is updated, a reminder notification will be sent to the request's recipient (only possible when request is in Draft state).
- When a new request is created, a notification is sent to the recipient.
- When a recipient of a request submits their feedback (Draft->Submitted), a notification will be sent to requester (except for offered feedback).
- Requester cannot modify the subject of the question set after a request is created.
- For offered feedback (to user, to manager, or both), the person who is offering feedback is both the creator of WorkFeedbackRequest as well as the recipient.

Fields

Field Name	Details
`AdHocFeedback`	**Type** textarea **Properties** Create, Filter, Nillable, Sort **Description** The content of the feedback.
`AdHocQuestion`	**Type** textarea **Properties** Create, Filter, Nillable, Sort **Description** The content of the feedback question.
`Description`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The description of the WorkFeedbackRequest.
FeedbackRequestState	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The current state of the feedback request. Allowed picklist values are: • Draft • Submitted • Declined
FeedbackType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort **Description** Specifies the type of request. Picklist values that are used for performance summaries: • Unspecified • Peer Summary • Self Summary • Manager Summary • Skip Level Summary Picklist values that are used for feedback: • Personal • Unsolicited to User • Unsolicited to Manager • Unsolicited to User and Manager • On Topic The type of the feedback determines the sharing and visibility rules that are applied to answers.
IsDeployed	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description If `true`, the feedback is part of a deployed performance summary cycle.
`IsShareWithSubject`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, the feedback is shared with the summary subject.
`IsUnreadByOwner`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, the submitted request has not been seen by the requester.
`IsUnsolicited`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** If `true`, the feedback request is unsolicited feedback offered to another user.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkFeedbackRequest.
`LastRemindDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The last time a reminder was sent to the recipient of this draft request.
`LastSharedDate`	**Type** dateTime

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** The last time this request was shared with another user or group.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this WorkFeedbackRequest. If this value is null, this record might have been only referenced (LastReferencedDate) and not viewed.
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the WorkFeedbackRequest.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the WorkFeedbackRequest.
PerformanceCycleId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Used by performance summaries to link to a summary cycle. This field applies only to performance summaries.
QuestionSetId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Question set associated with the current request.

Field Name	Details
`RecipientId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** User asked to provide feedback on the subject.
`RelatedObjectId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** Specifies a record in the system that this feedback request is related to. Used by ad-hoc feedback to gather feedback in the context of an opportunity or Work.com goal. Used by performance summaries to link to a summary cycle.
`SharingScope`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The users that see the feedback. `SharingScope` can have the following values: • Nobody • Subject • Manager • SubjectAndManager
`SubjectId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort **Description** The ID of the user that this request (or offer) is about.
`SubmitFeedbackToId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The ID of the person this performance summary feedback request (and its respective answers) is shared with. It's also the ID of the person who owns the requested subject's manager summary request. This field applies only to performance summaries.
`SubmittedDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The last time (in case it was reopened by admin) this request was submitted by the recipient. This field applies only to performance summaries.

WorkFeedbackRequestFeed

Represents a single feed item in the feed displayed on the feedback request detail page.

The feedback request feed shows changes to a request for fields that are tracked in feeds, posts, and comments about the request.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when Type is TextPost. Optional when Type is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** The file uploaded to the feed. Required if Type is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.

Field Name	Details
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates posts and comments from another application into a feed, then InsertedById is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>` • `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the goal record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated.

Field Name	Details
	The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.

WorkFeedbackRequestHistory

Represents the history of changes to the values in the fields of a WorkFeedbackRequest.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`WorkFeedbackRequestId`	**Type** picklist **Properties** Filter, Group, Sort **Description** ID of the WorkFeedbackRequest.

WorkFeedbackRequestShare

Represents a sharing entry on a WorkFeedbackRequest.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the feedback request. The possible values are:

Field Name	Details
	• Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for feedback requests.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkFeedbackRequest object that is associated with this sharing entry.
RowCause	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkFeedbackRequest or is in a user role above the WorkFeedbackRequest owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the WorkFeedbackRequest with the user or group. • Rule: User or group has access via a WorkFeedbackRequest sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the feedback request. This field can't be updated.

WorkFeedbackShare

Represents a sharing entry on a WorkFeedback object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the feedback. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for feedback.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkFeedback object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkFeedback or is in a user role above the WorkFeedback owner in the role hierarchy. • Manual: User or group has access, because a user with “All” access manually shared the WorkFeedback with the user or group.

Field Name	Details
	• Rule: User or group has access via a WorkFeedback sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the feedback. This field can't be updated.

WorkGoal

Represents the components of a goal, such as its description and associated metrics. This object has been deprecated as of API version 35.0. Use the Goal object to query information about Work.com goals.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Related

WorkGoalCollaborator, WorkGoalLink, WorkGoalFeed

Fields

Field Name	Details
ActualValue	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The actual value of the WorkGoal metric. Applicable only to WorkGoal objects of `Type`: Metric.
ActualValueExternalUrl	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description Contains a URL that references work.com data synchronization for the actual value of a metric. Applicable only to WorkGoal objects of `Type`: Metric.
`CompletionDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The completion date of the goal. Note: Field-level security limits access to only administrators and owners by default, and only they can complete a goal.
`Description`	**Type** textarea (max length 4000) **Properties** Create, Nillable, Update **Description** The description of the goal.
`DueDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date the WorkGoal object is due (optional). Applicable only to WorkGoal objects of `Type`: Metric.
`FlaggedAs`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The progress of the WorkGoal object. Applicable only to WorkGoal objects of `Type`: Metric. Possible values: • On Track: Progress on the metric is on track. • Behind: Progress on the metric is behind schedule. • Postponed: The metric is postponed. • Critical: Progress on the metric is critical.

Field Name	Details
ImageUrl	**Type** url **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The URL for the goal image. The image must be stored in Documents and set as externally available. Applicable only to WorkGoal objects of `Type`: Goal.
InitialValue	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The initial value of the WorkGoal metric. Applicable only to WorkGoal objects of `Type`: Metric and `MetricType`: Progress or Percent.
IsKeyCompanyGoal	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Used to indicate if the goal is a key company goal. Used for the Company Goal Showcase. Applicable only to WorkGoal objects of `Type`: Goal.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this goal.
LastSyncDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The time stamp that indicates when the actual value was last synced with the associated metrics report.
LastViewedDate	**Type** dateTime

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this goal.
`MetricType`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The type of metric that is represented. (See values in the following list). Applies only to WorkGoal objects of `Type`: Metric. Possible values: • Progress: ActualValue / TargetValue as a percentage • Percent: the metric as a percentage only • YesNo: the completed / not completed metric as a milestone • Absolute: Deprecated
`MetricTypeDataSource`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Specifies how the metric (ActualValue and CurrentValue) is updated. Applies only to WorkGoal objects of `Type`: Goal and Metric. Possible values: • Manual: indicates that the actual and target value of the metric is updated manually by the user • Rollup: indicates that the actual and target value of a goal is rolled up automatically by Work.com Goals • DataSyncActualOnly: indicates that the actual value of the metric is linked to a Salesforce report
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the WorkGoal object. (Maximum length is 255.)

Field Name	Details
`OverallStatus`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The overall calculated status of the WorkGoal based on `FlaggedAs` and `CompletionDate`.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the user who owns the WorkGoal.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Specifies the structural parent of the WorkGoal. For example, a goal that has a metric is represented by a WorkGoal of `Type` Metric, which has a parent of WorkGoal of Type Goal. Note: The root and the parent must be set to the parent goal for any child metrics.
`Progress`	**Type** percent **Properties** Filter, Nillable, Sort **Description** Read Only. The overall progress of the WorkGoal.
`RootId`	**Type** reference to a WorkGoal object **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Specifies the structural root of the WorkGoal. For example, a goal that has a metric is represented by a WorkGoal of `Type` Metric, which has a root of WorkGoal of `Type` Goal.

Field Name	Details
State	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The state of the WorkGoal object. Applies only to WorkGoal objects of `Type`: Metric. Possible values: • Draft: the draft state for the WorkGoal • Published: published state for the WorkGoal • Archived: archived state for the WorkGoal (for example, goals that no longer apply)
TargetValue	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The target value of the WorkGoal. Applies only to WorkGoal objects of `Type`: Metric.
Type	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of the WorkGoal object, used to differentiate between the components of a goal. (This field is used to represent components of a goal such as its description and associated metrics.) Possible values: • Goal: a goal • Metric: a metric (typically associated with goals) • Objective: an objective • KeyResult: a key result (typically associated with objectives • V2Mom: a V2MOM (pilot feature) • Vision: a vision (pilot feature — typically associated with V2MOM) • Value: a value (pilot feature - typically associated with V2MOM) • Method: a method (pilot feature - typically associated with V2MOM) • Obstacle: an obstacle (pilot feature - typically associated with V2MOM) • Measure: a measure (pilot feature - typically associated with a method)

Field Name	Details
	Note: Administrators can rename goals and metrics to objectives and key results, respectively. If this preference is enabled, use the `Type` Objective or KeyResult. Otherwise, use the default `Type` Goal or KeyResult.
`Weight`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The weight of the goal or metric. The sum of the weights should equal 100%.

WorkGoalCollaborator

Represents collaborators on a WorkGoal object. This doesn't include WorkGoal followers, which is handled by Chatter Feed Follow functionality. This object has been deprecated as of API version 35.0. Use the Goal object to query information about Work.com goals.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`InvitationDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The date that a user was invited to become a collaborator (nill if the user was not invited).
`State`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Restricted picklist, Sort, Update **Description** Indicates the state of the collaborating user. Whether the user has not responded, joined, or declined collaboration. The possible values are:

Field Name	Details
	• PendingResponse: a user who was invited to collaborate but hasn't joined or declined • Joined: a user who is collaborating on a goal (joined/commit) • Declined: a user who declined to collaborate on a goal
`UserId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The collaborating user.
`WorkGoalId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The WorkGoal object that this collaborator is a part of.

WorkGoalCollaboratorHistory

Represents the history of changes to the values in the fields in a WorkGoalCollaborator object. Access is read-only.

Note: This object has been deprecated as of API version 35.0. Use the Goal object to query information about Work.com goals in API version 35.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Name of the standard or custom field.

Field Name	Details
NewValue	**Type** anyType **Properties** Nillable, Sort **Description** New value of the modified field.
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** Previous value of the modified field.
WorkGoalCollaboratorId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the WorkGoalCollaborator object that is associated with this history entry.

WorkGoalFeed

Represents a single feed item in the feed displayed on the goal page for a Goal record. The goal feed shows changes to a goal for fields that are tracked in feeds, posts, and comments about the goal, and updates on metrics. This object has been deprecated as of API version 35.0. Use the GoalFeed object to query information about feed items for Work.com goals.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort

Field Name	Details
	Description The content of the FeedItem. Required when Type is TextPost. Optional when Type is ContentPost or LinkPost. This field is the message that appears in the feed.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in ContentData.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The file uploaded to the feed. Required if Type is ContentPost. The name of the file uploaded to the feed. Setting ContentFileName automatically sets Type to ContentPost.
`ContentSize`	**Type** int

Field Name	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates multiple posts and comments from another application into a feed, then InsertedById is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item `Body` contains rich text. Set `IsRichText` to `true` if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • `<p>` Tip: Though the ` ` tag isn't supported, you can use `<p> </p>` to create lines. • `<b>` • `<code>` • `<i>`

Field Name	Details
	• `<u>` • `<s>` • `<ul>` • `<ol>` • `<li>` • `<img>` The `<img>` tag is accessible only via the API and must reference files in Salesforce similar to this example: `<img src="sfdc://069B0000000omjh"></img>` Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a LinkPost.
NetworkScope	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. If Salesforce Communities is enabled for your organization, this field is available in API version 28.0 and later. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`:

Field Name	Details
	• Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the goal record that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a ContentPost. This field is null for all posts except ContentPost. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of TypeContentPost.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the Type is LinkPost, the LinkUrl is the URL and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email

Field Name	Details
	tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used. • `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event.

Field Name	Details
	• `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status. • `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The visibility of a FeedItem: • AllUsers: visible to all users • InternalUsers: visible to internal users

WorkGoalHistory

Represents the history of changes to the values in the fields of a WorkGoal. Access is read-only. This object has been deprecated as of API version 35.0. Use the GoalHistory object to query historical information for Work.com goals.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description The name of the field that was changed.
`NewValue`	**Type** Any Type **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** Any Type **Properties** Nillable, Sort **Description** The latest value of the field before it was changed.
`WorkGoalId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the Goal. Label is Goal ID.

WorkGoalLink

Represents the relationship between two goals (many to many relationship). This object has been deprecated as of API version 35.0. Use the GoalLink object to query information about the relationship between two Work.com goals.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()` ,`upsert()`

Fields

Field Name	Details
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Whether the WorkGoalLink is active (`true`) or not (`false`)
`LinkType`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The type of link
`Name`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** The auto-generated name of the goal link
`SourceGoalId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the source WorkGoal object
`TargetGoalId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** The ID of the target WorkGoal object

WorkGoalShare

Represents a sharing entry on a WorkGoal object. This object has been deprecated as of API version 35.0. Use the GoalShare object to query information about sharing for Work.com goals.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the goal. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records This field must be set to an access level that is higher than the organization's default access level for goals.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkGoal object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.

Field Name	Details
	Valid values include: • Owner: User is the owner of the WorkGoal or is in a user role above the WorkGoal owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the WorkGoal with the user or group. • Rule: User or group has access via a WorkGoal sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the goal. This field can't be updated.

WorkOrder

Represents field service work to be performed for a customer. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`AccountId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The account associated with the work order.
`Address`	**Type** address **Properties** Filter, Nillable

Field Name	Details
	Description The compound form of the address where the work order is completed.
`AssetId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The asset associated with the work order.
`BusinessHoursId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The business hours associated with the work order.
`CaseId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The case associated with the work order.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city where the work order is completed. Maximum length is 40 characters.
`ContactId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The contact associated with the work order.
`Country`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The country where the work order is completed. Maximum length is 80 characters.
CurrencyIsoCode	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. The label in the user interface is `Currency ISO Code`.
Description	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the work order. Try to include the steps needed to change the work order's status to Completed.
Discount	**Type** percent **Properties** Filter, Nillable, Sort **Description** Read only. The weighted average of the discounts on all line items in the work order. It can be any positive number up to 100.
Duration	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The estimated time required to complete the work order. Specify the duration unit in the `Duration Type` field. Note: Work order duration and work order line item duration are independent of each other. If you want work order duration to automatically show the sum of the work order line items' duration, replace the Duration field on work orders with a custom roll-up summary field.
DurationType	**Type** picklist

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The unit of the duration: Minutes or Hours.
`EndDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when the work order is completed. This field is blank unless you set up an Apex trigger or quick action to populate it. For example, you can create a quick action that sets the `EndDate` to 365 days after the `StartDate`.
`EntitlementId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The entitlement associated with the work order.
`GeocodeAccuracy`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Accuracy level of the geocode for the address. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
`GrandTotal`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read only. The total price of the work order with tax added.
`IsClosed`	**Type** boolean **Properties** Group, Defaulted on create, Filter, Sort

Field Name	Details
	Description Indicates whether the work order is closed (`true`) or open (`false`). Tip: Use this field to report on closed versus open work orders.
`IsGeneratedFromMaintenancePlan`	**Type** boolean **Properties** Group, Defaulted on create, Filter, Sort **Description** (Read Only) Indicates that the work order was generated from a maintenance plan (`true`), rather than manually created (`false`). Note: This option is deselected for work orders that were generated from maintenance plans before Summer '18.
`IsStopped`	**Type** boolean **Properties** Group, Defaulted on create, Create, Filter, Sort, Update **Description** Indicates whether a milestone is paused (`true`) or counting down (`false`). This field is available only if **Enable stopped time and actual elapsed time** is selected on the Entitlement Settings page.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the work order was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the work order was last viewed.
`Latitude`	**Type** double

Field Name	Details
	Properties Create, Filter, Nillable, Sort, Update **Description** Used with Longitude to specify the precise geolocation of the address where the work order is completed. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
`LineItemCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of work order line items in the work order. Its label in the user interface is `Line Items`.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with Latitude to specify the precise geolocation of the address where the work order is completed. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. See Compound Field Considerations and Limitations for details on geolocation compound fields. Note: This field is available in the API only.
`MaintenancePlanId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The maintenance plan associated with the work order. When the work order is auto-generated from a maintenance plan, this field automatically lists the related plan.
`MilestoneStatus`	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description Indicates the status of a milestone. This field is visible if an entitlement process is applied to a work order.
MinimumCrewSize	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The minimum crew size allowed for a crew assigned to the work order. If you're not using the Field Service Lightning managed package, this field serves as a suggestion rather than a rule. If you are using the managed package, the scheduling optimizer counts the number of service crew members on a service crew to determine whether it fits a work order's minimum crew size requirement.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The work order's assigned owner.
ParentWorkOrderId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work order's parent work order, if it has one. Tip: Create a custom report to view a work order's child work orders.
PostalCode	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code where the work order is completed. Maximum length is 20 characters.
Pricebook2Id	**Type** reference

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The price book associated with the work order. Adding a price book to the work order lets you assign different price book entries to the work order's line items. This is only available if Product2 is enabled.
`Priority`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The priority of the work order. The picklist includes the following values, which can be customized: • `Low` • `Medium` • `High` • `Critical`
`RecommendedCrewSize`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The recommended number of people on the service crew assigned to the work order. For example, you might have a Minimum Crew Size of 2 and a Recommended Crew Size of 3.
`ReturnOrder`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The return order associated with the work order.
`ReturnOrderLineItem`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The return order line item associated with the work order.

Field Name	Details
RootWorkOrderId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level work order in a work order hierarchy. Depending on where a work order lies in the hierarchy, its root could be the same as its parent. Note: View a work order's child work order in the Child Work Orders related list.
ServiceAppointmentCount	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The number of service appointments on the work order.
ServiceContractId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service contract associated with the work order.
ServiceReportTemplateId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service report template that the work order uses. If you don't specify a service report template on a work order, it uses the service report template listed on its work type. If the work type doesn't list a template or no work type is specified, the work order uses the default service report template.
ServiceTerritoryId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service territory where the work order is taking place.

Field Name	Details
SlaExitDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time that the work order exits the entitlement process.
SlaStartDate	**Type** dateTime **Properties** Create, Filter, Nillable, Update, Sort **Description** The time that the work order enters the entitlement process. You can update or reset the time if you have "Edit" permission on work orders.
StartDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when the work order goes into effect. This field is blank unless you set up an Apex trigger or quick action to populate it. For example, you can create a quick action that sets the StartDate to the date when the Status changes to In Progress.
State	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state where the work order is completed. Maximum length is 80 characters.
Status	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the work order. The picklist includes the following values, which can be customized: • *New*—Work order was created, but there hasn't yet been any activity. • *In Progress*—Work has begun. • *On Hold*—Work is paused.

Field Name	Details
	• *`Completed`*—Work is complete. • *`Cannot Complete`*—Work could not be completed. • *`Closed`*—All work and associated activity is complete. • *`Canceled`*—Work is canceled, typically before any work began. Changing a work order's status does not affect the status of its work order line items or associated service appointments.
`StatusCategory`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The category that each `Status` value falls into. The `Status Category` field has eight default values: seven values which are identical to the default `Status` values, and a `None` value for statuses without a status category. If you create custom `Status` values, you must indicate which category it belongs to. For example, if you create a *`Waiting for Response`* value, you may decide that it belongs in the *`On Hold`* category. The `Status Category` field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.
`StopStartDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** Indicates when the milestone was paused. The label in the user interface is `Stopped Since`.
`Street`	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street number and name where the work order is completed.
`Subject`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update

Field Name	Details
	Description The subject of the work order. Try to describe the nature and purpose of the job to be completed. For example, “Annual On-Site Well Maintenance.” Maximum length is 255 characters.
`Subtotal`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read only. The total of the work order line items’ subtotals before discounts and taxes are applied.
`SuggestedMaintenanceDate`	**Type** date **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The suggested date that the work order is completed. When the work order is auto-generated from a maintenance plan, this field is automatically populated based on the maintenance plan’s settings.
`Tax`	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** The total tax on the work order. You can enter a number with or without the currency symbol and use up to two decimal places. For example, in a work order whose total price is $100, enter $10 to apply a 10% tax.
`TotalPrice`	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read only. The total of the work order line items’ prices. This value has discounts applied but not tax.
`WorkOrderNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort

Field Name	Details
	Description An eight-digit, auto-generated number that identifies the work order.
`WorkTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work type associated with the work order. When a work type is selected, the work order automatically inherits the work type's `Duration`, `Duration Type`, and required skills.

WorkOrderFeed

Represents a single feed item on a work order record detail page. This object is available in API version 36.0 and later.

A work order feed shows changes to tracked fields on a work order record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to work orders in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Work orders or Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Work Order object
- "Moderate Chatter"

Note: Users with the "Moderate Chatter" permission can delete only the feed items and comments they see.

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort

Field Name	Details
	Description The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or`LinkPost`.
`CommentCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
`ConnectionId`	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization. When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description Available in API version 36.0 and earlier only. The name of the file to upload to the feed. Required if `Type` is `ContentPost`. Setting this field sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. The size of the file uploaded to the feed in bytes. Determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. The MIME type of the file uploaded to the feed. Determined during insert.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
`IsRichText`	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort

Field Name	Details
	Description The number of feed likes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the work order record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

WorkOrderHistory

Represents the history of changes made to tracked fields on a work order. This object is available in API version 36.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Work orders or Field Service Lightning must be enabled in your organization, and field tracking for work order fields must be configured.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`WorkOrderId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the work order being tracked. The history is displayed on the detail page for this record.

WorkOrderLineItem

Represents a subtask on a work order in field service. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`Address`	**Type** address **Properties** Filter, Nillable **Description** The compound form of the address where the line item is completed.
`AssetId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The asset associated with the work order line item. The asset is not automatically inherited from the parent work order.
`City`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The city where the line item is completed. Maximum length is 40 characters.
`Country`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, Nillable, Sort, Update **Description** The country where the line item is completed. Maximum length is 80 characters.
`CurrencyIsoCode`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** Available only for orgs with the multicurrency feature enabled. Contains the ISO code for any currency allowed by the organization. The label in the user interface is `Currency ISO Code`.
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the work order line item. Try to describe the steps needed to mark the line item Completed.
`Discount`	**Type** percent **Properties** Create, Filter, Nillable, Sort, Update **Description** The percent discount to apply to the line item. You can enter a number with or without the percent symbol, and you can use up to two decimal places.
`Duration`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** The estimated time required to complete the line item. Specify the duration unit in the `Duration Type` field. Note: Work order duration and work order line item duration are independent of each other. If you want work order duration to automatically show the sum of the work order line items' duration, replace the Duration field on work orders with a custom roll-up summary field.

Field Name	Details
DurationType	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The unit of the duration: Minutes or Hours.
EndDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date on which the line item is completed. This field is blank unless you set up an Apex trigger or quick action to populate it. For example, you can create a quick action that sets the EndDate to 365 days after the StartDate.
GeocodeAccuracy	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The level of accuracy of a location's geographical coordinates compared with its physical address. Usually provided by a geocoding service based on the address's latitude and longitude coordinates. Note: This field is available in the API only.
IsClosed	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the line item has been closed. Changing the line item's status to `Closed` causes this checkbox to be selected in the user interface (sets `IsClosed` to `true`). Tip: Use this field to report on closed versus open work order line items.
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort

Field Name	Details
	Description The date when the line item was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the line item was last viewed.
`Latitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Used with `Longitude` to specify the precise geolocation of the address where the line item is completed. Acceptable values are numbers between –90 and 90 with up to 15 decimal places. Note: This field is available in the API only.
`LineItemNumber`	**Type** string **Properties** Autonumber, Defaulted on create, Filter, idLookup, Sort **Description** An auto-generated number that identifies the work order line item. Each work order's line items start at 1.
`ListPrice`	**Type** currency **Properties** Filter, Nillable, Sort **Description** The price of the line item (product) as listed in its corresponding price book entry. If a price book entry isn't specified, the list price defaults to zero.
`Longitude`	**Type** double **Properties** Create, Filter, Nillable, Sort, Update

Field Name	Details
	Description Used with `Latitude` to specify the precise geolocation of the address where the line item is completed. Acceptable values are numbers between –180 and 180 with up to 15 decimal places. Note: This field is available in the API only.
`MinimumCrewSize`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The minimum crew size allowed for a crew assigned to the line item. If you're not using the Field Service Lightning managed package, this field serves as a suggestion rather than a rule. If you are using the managed package, the scheduling optimizer counts the number of service crew members on a service crew to determine whether it fits a work order line item's minimum crew size requirement.
`OrderId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The order associated with the line item. For example, you may need to order replacement parts before you can complete the line item.
`ParentWorkOrderLineItemId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The line item's parent work order line item, if it has one. Tip: Create a custom report to view a line item's child line items.
`PostalCode`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The postal code where the line item is completed. Maximum length is 20 characters.

Field Name	Details
PricebookEntryId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The price book entry (product) associated with the line item. The label in the user interface is `Product`. This field's lookup search only returns products that are included in the work order's price book.
Product2Id	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The product associated with the price book entry. This field is not available in the user interface. For best results, use the `PricebookEntryId` field in any custom code or layouts.
Quantity	**Type** double **Properties** Create, Filter, Nillable, Sort, Update **Description** Number of units of the line item included in the associated work order.
RecommendedCrewSize	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The recommended number of people on the service crew assigned to the line item. For example, you might have a Minimum Crew Size of 2 and a Recommended Crew Size of 3.
ReturnOrder	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The return order associated with the work order line item.

Field Name	Details
ReturnOrderLineItem	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The return order line item associated with the work order line item.
RootWorkOrderLineItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** (Read only) The top-level line item in a work order line item hierarchy. Depending on where a line item lies in the hierarchy, its root could be the same as its parent. Note: View a line item's child line items in the Child Work Order Line Items related list.
ServiceReportTemplateId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service report template that the line item uses. If you don't specify a service report template on a work order line item, it uses the service report template listed on its work type. If the work type doesn't list a template or no work type is specified, the line item uses the default service report template.
ServiceTerritoryId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service territory where the line item is completed.
StartDate	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date on which the line item goes into effect. This field is blank unless you set up an Apex trigger or quick action to populate it. For example, you can create

Field Name	Details
	a quick action that sets the StartDate to the date when the Status changes to In Progress.
`State`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The state where the line item is completed. Maximum length is 80 characters.
`Status`	**Type** picklist **Properties** Create, Defaulted on create, Filter, Group, Nillable, Sort, Update **Description** The status of the line item. The picklist includes the following values, which can be customized: • `New`—Line item was created, but there hasn't yet been any activity. • `In Progress`—Work has begun. • `On Hold`—Work is paused. • `Completed`—Work is complete. • `Cannot Complete`—Work could not be completed. • `Closed`—All work and associated activity is complete. • `Canceled`—Work is canceled, typically before any work began.
`StatusCategory`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The category that each `Status` value falls into. The `Status Category` field has eight default values: seven values which are identical to the default `Status` values, and a `None` value for statuses without a status category. If you create custom `Status` values, you must indicate which category it belongs to. For example, if you create a *`Waiting for Response`* value, you may decide that it belongs in the *`On Hold`* category. The `Status Category` field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.

Field Name	Details
Street	**Type** textarea **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The street number and name where the line item is completed.
Subject	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** A word or phrase describing the line item.
Subtotal	**Type** currency **Properties** Filter, Nillable, Sort **Description** (Read only) The line item's unit price multiplied by the quantity.
TotalPrice	**Type** currency **Properties** Filter, Nillable, Sort **Description** Read only. The line item's subtotal with discounts applied.
UnitPrice	**Type** currency **Properties** Create, Filter, Nillable, Sort, Update **Description** Initially, the unit price for a work order line item is the line item's list price from the price book, but you can change it.
WorkOrderId	**Type** reference **Properties** Create, Filter, Group, Sort

Field Name	Details
	Description The line item's parent work order. Because work order line items must be associated with a work order, this is a required field.
`WorkTypeId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The work type associated with the line item. When a work type is selected, the line item automatically inherits the work type's `Duration`, `Duration Type`, and required skills.

Usage

A work order line item is a child record of a work order. It represents a specific subtask on a work order.

For example, suppose a customer purchased a truck from you. The truck is represented as an asset in your Salesforce org. After some time, the truck needs both headlight bulbs replaced. Here's one way that you can use work orders and work order line items to track the repair.

1. Create a work order named "Replace Headlight Bulbs" from the asset record detail page.
2. Add three work order line items to the work order: "Replace Left Headlight Bulb," "Replace Right Headlight Bulb," and "Test Headlights."
3. Assign the work order to a technician via a queue.
4. As the technician completes each line item, he or she marks the item `Completed`.
5. When all the line items are complete, the technician marks the work order `Completed`.

WorkOrderLineItemFeed

Represents a single feed item on a work order line item record detail page. This object is available in API version 36.0 and later.

A work order line item feed shows changes to tracked fields on a work order line item record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to work order line items in Salesforce.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Work orders or Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"

- “Modify All” on the Work Order Line Item object
- “Moderate Chatter”

Note: Users with the “Moderate Chatter” permission can delete only the feed items and comments they see.

Fields

Field Name	Details
Body	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
ConnectionId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** The ID of the PartnerNetworkConnection. Available if Salesforce to Salesforce is enabled for your organization. When a PartnerNetworkConnection modifies a record that is tracked, the `CreatedBy` field contains the ID of the system administrator.
ContentData	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can’t be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.

Field Name	Details
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. The name of the file to upload to the feed. Required if `Type` is `ContentPost`. Setting this field sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. The size of the file uploaded to the feed in bytes. Determined during insert.
`ContentType`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. The MIME type of the file uploaded to the feed. Determined during insert.
`InsertedById`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.

Field Name	Details
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the work order line item record tracked in the feed. The feed is displayed on the detail page for this record.
RelatedRecordId	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
Title	**Type** string **Properties** Group, Nillable, Sort

Field Name	Details
	Description The title of the feed item. When `Type` = `LinkPost`, Link URL= the link URL and `Title` = the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

WorkOrderLineItemHistory

Represents the history of changes made to tracked fields on a work order line item. This object is available in API version 36.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Work orders or Field Service Lightning must be enabled in your organization, and field tracking for work order line item fields must be configured.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.

Field Name	Details
OldValue	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
WorkOrderLineItemId	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the work order line item being tracked. The history is displayed on the detail page for this record.

WorkOrderLineItemStatus

Represents a possible status of a work order line item in field service.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
ApiName	**Type** string **Properties** Filter, Group, Sort **Description** The API name of the status value.
IsDefault	**Type** boolean

Field Name	Details
	Properties Defaulted on create, Filter, Group, Sort **Description** Indicates that the status value is the default status on work orders. Only one status value can be the default.
`MasterLabel`	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The label for the picklist value that appears in the UI.
`SortOrder`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The value's position in the drop-down list of values in the UI.
`StatusCode`	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The status category that the value corresponds to. The Status Category field has seven values which are identical to the default Status values.

Usage

The Status field on work order line items comes with the following values:

- New—Line item was created, but there hasn't yet been any activity.
- In Progress—Work has begun.
- On Hold—Work is paused.
- Completed—Work is complete.
- Cannot Complete—Work could not be completed.
- Closed—All work and associated activity is complete.
- Canceled—Work is canceled, typically before any work began.

The WorkOrderLineItemStatus object corresponds to the Status field. Adding a value to the Status field—for example, Canceled By Customer—creates a work order line item status record, and vice versa.

Note: Work order line items also come with a StatusCategory field whose values are identical to the default Status values. If you create custom Status values, you must indicate which category it belongs to. For example, if you create a *Customer Absent* value, you may decide that it belongs in the *Cannot Complete* category.

The Status Category field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.

WorkOrderShare

Represents a sharing entry on a work order. This object is available in API version 36.0 and later.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Work orders or Field Service Lightning must be enabled in your organization. Community users can't access this object.

Fields

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the work order. The possible values are: • *Read* • *Edit* • *All* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default work order access level.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The work order associated with the sharing entry.

Field Name	Details
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to `Manual` (default). Valid values include: • `Manual`—The user or group has access because a user with "All" access manually shared the work order. • `Owner`—The user is the owner of the work order. • `Team`—The user or group has team access. • `Rule`—The user or group has access via a work order sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read Only) ID of the user or group that has access to the work order.

WorkOrderStatus

Represents a possible status of a work order in field service.

Supported Calls

`describeSObjects()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
ApiName	**Type** string **Properties** Filter, Group, Sort

Field Name	Details
	Description The API name of the status value.
IsDefault	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates that the status value is the default status on work orders. Only one status value can be the default.
MasterLabel	**Type** string **Properties** Filter, Group, Nillable, Sort **Description** The label for the picklist value that appears in the UI.
SortOrder	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** The value's position in the drop-down list of values in the UI.
StatusCode	**Type** picklist **Properties** Defaulted on create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The status category that the value corresponds to. The Status Category field has seven values which are identical to the default Status values.

Usage

The Status field on work orders comes with the following values:

- New—Work order was created, but there hasn't yet been any activity.
- In Progress—Work has begun.
- On Hold—Work is paused.
- Completed—Work is complete.
- Cannot Complete—Work could not be completed.

- Closed—All work and associated activity is complete.
- Canceled—Work is canceled, typically before any work began.

The WorkOrderStatus object corresponds to the Status field. Adding a value to the Status field—for example, Canceled By Customer—creates a work order status record, and vice versa.

Note: Work orders also come with a StatusCategory field whose values are identical to the default Status values. If you create custom Status values, you must indicate which category it belongs to. For example, if you create a `Customer Absent` value, you may decide that it belongs in the `Cannot Complete` category.

The Status Category field can be useful to reference in custom apps, triggers, and validation rules. Status categories let you extend and customize the work life cycle while still maintaining a consistent work classification for tracking, reporting, and business process management.

WorkPerformanceCycle

Represents feedback that is gathered to assess the performance of a specific set of employees.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
ActivityFrom	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The date that you want to start filtering the work.com objects to help requesters create accurate summaries. The start of the evaluation period.
ActivityTo	**Type** date **Properties** Create, Filter, Group, Sort, Update **Description** The date that you want to stop filtering the work.com objects to help requesters create accurate summaries. The end of the evaluation period.
CurrentTask	**Type** picklist

Field Name	Details
	Properties Filter, Group, Nillable, Restricted picklist, Sort **Description** The current task that the performance summary cycle is engaged in, including deploying and sharing.
`LastManagerRequestsSharedDate`	**Type** dateTime **Properties** Create, Filter, Nillable, Sort, Update **Description** The date when all manager requests are set to be shared.
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkPerformanceCycle.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this WorkPerformanceCycle. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the performance summary cycle that employees will participate in. This name is created by the administrator and is visible on all respective notifications and in the UI.
`OwnerId`	**Type** reference

Field Name	Details
	Properties Create, Defaulted on create, Filter, Group, Sort, Update **Description** ID of the owner of the WorkPerformanceCycle.
`State`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The state that the performance summary cycle is in. Available pick list values: • Setup: The summary is in draft. • In Progress: The summary is deployed and people are answering the questions that were created. • Finished: The summary is no longer in progress. • Error: The summary encountered an error.

WorkPerformanceCycleFeed

Represents a single feed item in the feed that is displayed on a Work.com Performance detail page.

Supported Calls

`delete()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The content of the FeedItem. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`. This field is the message that appears in the feed.
`CommentCount`	**Type** int

Field Name	Details
	Properties Filter, Group, Sort **Description** The number of FeedComments associated with this feed item.
`ContentData`	**Type** base64 **Properties** Nillable **Description** Available in API version 36.0 and earlier only. Required if `Type` is `ContentPost`. Encoded file data in any format, and can't be 0 bytes. Setting this field automatically sets `Type` to `ContentPost`.
`ContentDescription`	**Type** textarea **Properties** Nillable, Sort **Description** Available in API version 36.0 and earlier only. The description of the file specified in `ContentData`.
`ContentFileName`	**Type** string **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. This field is required if `Type` is `ContentPost`. The name of the file uploaded to the feed. Setting `ContentFileName` automatically sets `Type` to `ContentPost`.
`ContentSize`	**Type** int **Properties** Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The size of the file (in bytes) uploaded to the feed.
`ContentType`	**Type** string

Field Name	Details
	Properties Group, Nillable, Sort **Description** Available in API version 36.0 and earlier only. Read only. Automatically determined during insert. The MIME type of the file uploaded to the feed.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if a client application migrates multiple posts and comments from another application into a feed, then InsertedById is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Indicates whether the feed item Body contains rich text. Set IsRichText to true if you post a rich text feed item via SOAP API. Otherwise, the post is rendered as plain text. Rich text supports the following HTML tags: • <p> Tip: Though the tag isn't supported, you can use <p> </p> to create lines. • <b> • <code> • <i> • <u> • <s> • • • • <img> The <img> tag is accessible only via the API and must reference files in Salesforce similar to this example: <img src="sfdc://069B0000000omjh"></img>

Field Name	Details
	Note: In API version 35.0 and later, the system replaces special characters in rich text with escaped HTML. In API version 34.0 and prior, all rich text appears as a plain-text representation.
`LikeCount`	**Type** int **Properties** Filter, Group, Sort **Description** The number of FeedLikes associated with this feed item.
`LinkUrl`	**Type** url **Properties** Nillable, Sort **Description** The URL of a `LinkPost`.
`NetworkScope`	**Type** picklist **Properties** Group, Nillable, Restricted picklist, Sort **Description** Specifies whether this feed item is available in the default community, a specific community, or all communities. If Salesforce Communities is enabled for your organization, this field is available in API version 30.0 and later. `NetworkScope` can have the following values: • `NetworkId`—The ID of the community in which the FeedItem is available. If left empty, the feed item is only available in the default community. • `AllNetworks`—The feed item is available in all communities. Note the following exceptions for `NetworkScope`: • Only feed items with a Group or User parent can set a `NetworkId` or a null value for `NetworkScope`. • For feed items with a record parent, users can set `NetworkScope` only to `AllNetworks`. • You can't filter a FeedItem on the `NetworkScope` field.
`ParentId`	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the group that is tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the ContentVersion object associated with a `ContentPost`. This field is null for all posts except `ContentPost`. For example, set this field to an existing ContentVersion and post it to a feed as a FeedItem object of `Type` `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the FeedItem. When the `Type` is `LinkPost`, the `LinkUrl` is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item. Except for `ContentPost`, `LinkPost`, and `TextPost`, don't create feed item types directly from the API. • `ActivityEvent`—indirectly generated event when a user or the API adds a Task associated with a feed-enabled parent record (excluding email tasks on cases). Also occurs when a user or the API adds or updates a Task or Event associated with a case record (excluding email and call logging). For a recurring Task with CaseFeed disabled, one event is generated for the series only. For a recurring Task with CaseFeed enabled, events are generated for the series and each occurrence. • `AdvancedTextPost`—created when a user posts a group announcement and, in Lightning Experience as of API version 39.0 and later, when a user shares a post. • `AnnouncementPost`—Not used. • `ApprovalPost`—generated when a user submits an approval. • `BasicTemplateFeedItem`—Not used.

Field Name	Details
	• `CanvasPost`—a post made by a canvas app posted on a feed. • `CollaborationGroupCreated`—generated when a user creates a public group. • `CollaborationGroupUnarchived`—Not used. • `ContentPost`—a post with an attached file. • `CreatedRecordEvent`—generated when a user creates a record from the publisher. • `DashboardComponentAlert`—generated when a dashboard metric or gauge exceeds a user-defined threshold. • `DashboardComponentSnapshot`—created when a user posts a dashboard snapshot on a feed. • `LinkPost`—a post with an attached URL. • `PollPost`—a poll posted on a feed. • `ProfileSkillPost`—generated when a skill is added to a user's Chatter profile. • `QuestionPost`—generated when a user posts a question. • `ReplyPost`—generated when Chatter Answers posts a reply. • `RypplePost`—generated when a user creates a Thanks badge in Work.com. • `TextPost`—a direct text entry on a feed. • `TrackedChange`—a change or group of changes to a tracked field. • `UserStatus`—automatically generated when a user adds a post. Deprecated. The following values appear in the `Type` picklist for all feed objects but apply only to CaseFeed: • `AttachArticleEvent`—generated event when a user attaches an article to a case. • `CallLogPost`—generated event when a user logs a call for a case through the user interface. CTI calls also generate this event. • `CaseCommentPost`—generated event when a user adds a case comment for a case object. • `ChangeStatusPost`—generated event when a user changes the status of a case. • `ChatTranscriptPost`—generated event when Live Agent transcript is saved to a case. • `EmailMessageEvent`—generated event when an email related to a case object is sent or received. • `FacebookPost`—generated when a Facebook post is created from a case. Deprecated. • `MilestoneEvent`—generated when a case milestone is completed or reaches violation status.

Field Name	Details
	• `SocialPost`—generated when a social post is created from a case.
`Visibility`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The visibility of a FeedItem: • AllUsers: visible to all users • InternalUsers: visible to internal users

WorkPerformanceCycleHistory

Represents the history of changes to the values in the fields of a WorkPerformanceCycle object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The latest value of the field before it was changed.
WorkPerformanceCycleId	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the WorkPerformanceCycle.

WorkPerformanceCycleShare

Represents a sharing entry on a WorkPerformanceCycle object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
AccessLevel	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user's or group's level of access to the work performance cycle. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization's default access level for work performance cycles.

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the WorkPerformanceCycle object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkPerformanceCycle or is in a user role above the WorkPerformanceCycle owner in the role hierarchy. • Manual: User or group has access, because a user with “All” access manually shared the WorkPerformanceCycle with the user or group. • Rule: User or group has access via a WorkPerformanceCycle sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID of the user or group that was given access to the performance cycle share. This field can’t be updated.

WorkReward

Used to store reward codes tied to a Reward Fund. Reward Funds must have at least one WorkReward record.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

You must have the Reward permission enabled in order to use the Rewards feature, including WorkRewardFund and WorkReward.

Additional Considerations and Related Objects

WorkReward is a lookup to WorkRewardFund. WorkRewardFund must have at least one WorkReward record to be available for use. Each WorkBadge record with a `RewardId` indicates a reward badge given to a Recipient.

Fields

Field Name	Details
`Code`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** Represents a singe reward code tied to a RewardFundId.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Represents the User ID of Owner of WorkReward record
`RecipientId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** Salesforce User ID for User associated with this WorkReward record.
`RedemptionDisclaimer`	**Type** textarea **Properties** Nillable **Description** The disclaimer information about the WorkReward.
`RedemptionInfo`	**Type** textarea

Field Name	Details
	Properties Nillable **Description** The instructions for redeeming the WorkReward.
`RedemptionUrl`	**Type** textarea **Properties** Nillable **Description** The URL for redeeming the WorkReward.
`RewardFundId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Salesforce unique ID for WorkRewardFund record that is associated with WorkReward record.
`RewardFundTypeId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Salesforce unique ID of the WorkRewardFundType associated with the WorkReward.
`Value`	**Type** double **Properties** Filter, Nillable, Sort **Description** The value of the WorkReward.

WorkRewardFund

Represents a Reward Fund and describes the Reward Fund attributes.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

To use the Rewards feature, including WorkRewardFund and WorkReward, you must have the Reward permission enabled. To create Rewards, the user must have Create on WorkRewardFund, which is not a standard permission.

Additional Considerations and Related Objects

WorkReward is a lookup to WorkRewardFund. WorkRewardFund must have at least one WorkReward record available. Each WorkBadgeDefinition with a RewardFundId is a “Reward Badge.”

Fields

Field Name	Details
`IsActive`	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Indicates whether the WorkRewardFund is active (`true`) or not (`false`).
`LastReferencedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkRewardFund.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this WorkRewardFund. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
`Name`	**Type** string

Field Name	Details
	Properties Create, Filter, Group, idLookup, Sort, Update **Description** Required. Name of the Reward Fund.
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Salesforce unique ID of User who is the Owner of the WorkRewardFund record.
`RewardFundTypeId`	**Type** reference **Properties** Create, Filter, Group, Sort, Update **Description** Salesforce unique ID of the WorkRewardFundType that is associated with the WorkRewardFund.
`TotalCodeCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total reward codes that are available in the WorkRewardFund. Derived from WorkReward records that are associated with the WorkRewardFund.
`Type`	**Type** string **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** RewardType of the WorkRewardFund. Default is Amazon.com.
`UsedCodeCount`	**Type** int **Properties** Filter, Group, Nillable, Sort **Description** Total reward codes that are used in the WorkRewardFund. Derived from the total assigned WorkReward records that are associated with the WorkRewardFund.

Field Name	Details
Value	**Type** currency **Properties** Create, Filter, Sort, Update **Description** Value of each of the reward codes in the WorkRewardFund.

WorkRewardFundHistory

Represents the history of changes to the values in the fields of a WorkRewardFund object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
Field	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Type of change (e.g., created).
NewValue	**Type** Any Type **Properties** Nillable, Sort **Description** Updated value of record.
OldValue	**Type** Any Type **Properties** Nillable, Sort **Description** Previous value of record.

Field Name	Details
`WorkRewardFundId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of WorkRewardFund record.

WorkRewardFundShare

Share records for WorkRewardFund.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** CRUD Access Level (picklist values: Read Only, Read/Write, Owner).
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID for WorkRewardFund record.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description Owner or Manual sharing. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** User or Group ID for WorkRewardFund record.

WorkRewardFundType

Represents the type of WorkRewardFund object.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`,`undelete()`, `update()`, `upsert()`

Fields

Field Name	Details
`CreditSystem`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The credit system that is used by the WorkRewardFundType object (gift codes or points). If points are selected, the reward message will not consider the `CurrencyCode` field.
`CurrencyCode`	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort, Update **Description** The currency code of the WorkRewardFundType

Field Name	Details
IsActive	**Type** boolean **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Whether the WorkRewardFundType is active and available in the UI
IsPredefined	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** Whether the WorkRewardFundType is predefined (`true`) or not (`false`)
LastReferencedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed a record that is related to this WorkRewardFundType.
LastViewedDate	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The time stamp that indicates when the current user last viewed this WorkRewardFundType. If this value is null, this record might have been only referenced (`LastReferencedDate`) and not viewed.
Name	**Type** string **Properties** Create, Filter, Group, idLookup, Sort, Update **Description** The name of the WorkRewardFundType
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update

Field Name	Details
	Description The ID of the WorkRewardFundType owner
RedemptionDisclaimer	**Type** textarea **Properties** Create, Nillable, Update **Description** The redemption disclaimer text for the WorkRewardFundType
RedemptionInfo	**Type** textarea **Properties** Create, Nillable, Update **Description** Redemption text for the WorkRewardFundType
RedemptionUrl	**Type** textarea **Properties** Create, Nillable, Update **Description** The URL that's linked to the redemption
UploadCodeColumn	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The column where the reward code is contained in the CSV file. The upload uses the second value by default.
UploadValueColumn	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The column where the reward value is contained in the CSV file. The upload uses the third column by default.

WorkRewardFundTypeHistory

Represents the history of changes to the values in the fields of a WorkRewardFundType object.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the changed field
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed
`WorkRewardFundTypeId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the WorkRewardFundType

WorkRewardFundTypeShare

Represents a sharing entry on a WorkRewardFundType.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** The user’s or group’s level of access to the work reward fund type. The possible values are: • Read • Edit • All: This value is not valid when you create, update, or delete records. This field must be set to an access level that is higher than the organization’s default access level for WorkRewardFundType objects.
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the WorkRewardFundType object that is associated with this sharing entry.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort

Field Name	Details
	Description The reason that this sharing entry exists. Read-only. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings. Valid values include: • Owner: User is the owner of the WorkRewardFundType or is in a user role above the WorkRewardFundType owner in the role hierarchy. • Manual: User or group has access, because a user with "All" access manually shared the WorkRewardFundType with the user or group. • Rule: User or group has access via a WorkRewardFundType sharing rule.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID of the user or group that was given access to the WorkRewardFundType. This field can't be updated.

WorkRewardHistory

Represents the history of changes to the fields of a WorkReward.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed
`NewValue`	**Type** anyType

Field Name	Details
	Properties Nillable, Sort **Description** The new value of the field that was changed
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The latest value of the field before it was changed
`WorkRewardId`	**Type** reference **Properties** Filter, Group, Sort **Description** The ID of the WorkReward

WorkRewardShare

Share records for WorkReward object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** CRUD Access Level (picklist values: Read Only, Read/Write, Owner).

Field Name	Details
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID for WorkReward record.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Owner or Manual sharing. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** User or Group ID for WorkReward record.

WorkThanks

Represents the source and message of a thanks post.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `undelete()`, `update()`, `upsert()`

Additional Considerations and Related Objects

WorkBadge is a lookup to WorkThanks. Each WorkBadge record must derive a SourceId from WorkThanks.

Fields

Field Name	Details
FeedItemId	**Type** reference **Properties** Filter, Group, Nillable, Sort **Description** ID of the FeedItem related to the thanks badge.
GiverId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** Salesforce user ID for the giver of the Thanks record.
Message	**Type** textarea **Properties** Create **Description** Required. Message associated with the Thanks record.
NetworkId	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The ID of the community that this WorkThanks is associated with. This field is available only if Salesforce Communities is enabled in your organization.
OwnerId	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** Salesforce user ID for the owner of the badge record (typically the same user as the giver of the record).

WorkThanksShare

Share records for WorkThanks object.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Fields

The properties available for some fields depend on the default organization-wide sharing settings. The properties listed are true for the default settings of such fields.

Field Name	Details
`AccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** CRUD Access Level (picklist values: Read Only, Read/Write, Owner).
`ParentId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** ID for WorkThanks record.
`RowCause`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** Owner or Manual sharing. You can create a value for this field in API versions 32.0 and later with the correct organization-wide sharing settings.
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** User or Group ID for WorkThanks record.

WorkType

Represents a type of work to be performed. Work types are templates that can be applied to work order or work order line items. This object is available in API version 38.0 and later.

Supported Calls

`create()`, `delete()`, `describeLayout()`, `describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`, `search()`, `undelete()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Description`	**Type** textarea **Properties** Create, Nillable, Update **Description** The description of the work type. Try to add details about the task or tasks that this work type represents.
`DurationType`	**Type** picklist **Properties** Create, Filter, Group, Defaulted on create, Restricted picklist, Sort, Update **Description** The unit of the `Estimated Duration`: Minutes or Hours.
`EstimatedDuration`	**Type** double **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The estimated length of the work. The estimated duration is in minutes or hours based on the value selected in the `Duration Type` field.
`LastReferencedDate`	**Type** dateTime

Field Name	Details
	Properties Filter, Nillable, Sort **Description** The date when the work type was last modified. Its label in the user interface is `Last Modified Date`.
`LastViewedDate`	**Type** dateTime **Properties** Filter, Nillable, Sort **Description** The date when the work type was last viewed by the current user.
`MinimumCrewSize`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The minimum crew size allowed for a crew assigned to the work. Work orders and work order line items inherit their work type's minimum crew size. If you're not using the Field Service Lightning managed package, this field serves as a suggestion rather than a rule. If you are using the managed package, the scheduling optimizer counts the number of service crew members on a service crew to determine whether it fits the minimum crew size requirement.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update **Description** The name of the work type. Try to use a name that helps users quickly understand the type of work orders that can be created from the work type. For example, "Annual Refrigerator Maintenance" or "Valve Replacement."
`OwnerId`	**Type** reference **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The work type's owner.

Field Name	Details
`RecommendedCrewSize`	**Type** int **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The recommended number of people on the service crew assigned to the work. For example, you might have a Minimum Crew Size of 2 and a Recommended Crew Size of 3. Work orders and work order line items inherit their work type's recommended crew size.
`ServiceReportTemplateId`	**Type** reference **Properties** Create, Filter, Group, Nillable, Sort, Update **Description** The service report template associated with the work type. When users create service reports from a work order or work order line item that uses this work type, the reports will use this template.
`ShouldAutoCreateSvcAppt`	**Type** boolean **Properties** Create, Filter, Group, Defaulted on create, Sort, Update **Description** Select this option to have a service appointment automatically created on work orders and work order line items that use the work type. Note: • By default, the Due Date on auto-created service appointments is seven days after the created date. Admins can adjust this offset from the Field Service Settings page in Setup. • If a work type with the Auto-Create Service Appointment option selected is added to an existing work order or work order line item, a service appointment is only created for the work order or work order line item if it doesn't yet have one. • If someone updates an existing work type by selecting the Auto-Create Service Appointment option, service appointments aren't created on work orders and work order line items that were already using the work type.

Usage

Adding a work type to a work order or work order line item causes the record to inherit the work type's duration values and required skills and products.

Note:

- If needed, you can update the duration values and required skills and products on a work order or work order line item after they're inherited from the work type.
- If a work order or work order line item already has required skills or products, associating it with a work type doesn't cause it to inherit the work type's requirements.
- Customizations to required skills or products, such as validation rules or Apex triggers, are not carried over from work types to work orders and work order line items.

WorkTypeFeed

Represents a single feed item on a work type record detail page. This object is available in API version 38.0 and later.

A work type feed shows changes to tracked fields on a work type record. It also shows posts and comments about the record. It's a useful way to stay up to date with changes made to work types in Salesforce.

Supported Calls

`delete()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled in your organization, and you can delete all feed items you created. To delete feed items you didn't create, you must have one of these permissions:

- "Modify All Data"
- "Modify All" on the Operating Hours object
- "Moderate Chatter"

Fields

Field Name	Details
`Body`	**Type** textarea **Properties** Nillable, Sort **Description** The message that appears in the feed. Required when `Type` is `TextPost`. Optional when `Type` is `ContentPost` or `LinkPost`.

Field Name	Details
CommentCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of comments associated with this feed item.
InsertedById	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the user who added this object to the feed. For example, if an application migrates posts and comments from another application into a feed, the value is set to the ID of the logged-in user.
IsRichText	**Type** boolean **Properties** Defaulted on create, Filter, Group, Sort **Description** `true` indicates that the body of the feed contains rich text. `false` indicates that the post is rendered as plain text.
LikeCount	**Type** int **Properties** Filter, Group, Sort **Description** The number of feed likes associated with this feed item.
LinkUrl	**Type** url **Properties** Nillable, Sort **Description** The URL of a link post.
ParentId	**Type** reference **Properties** Filter, Group, Sort

Field Name	Details
	Description ID of the work type record tracked in the feed. The feed is displayed on the detail page for this record.
`RelatedRecordId`	**Type** reference **Properties** Group, Nillable, Sort **Description** ID of the `ContentVersion` object associated with a content post. This field is null for all posts, except `ContentPost`.
`Title`	**Type** string **Properties** Group, Nillable, Sort **Description** The title of the feed item. When the `Type` is `LinkPost`, the Link URL is the URL, and this field is the link name.
`Type`	**Type** picklist **Properties** Filter, Group, Nillable, Restricted picklist, Sort **Description** The type of feed item.

WorkTypeHistory

Represents the history of changes made to tracked fields on a work type. This object is available in API version 38.0 and later.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`Field`	**Type** picklist **Properties** Filter, Group, Restricted picklist, Sort **Description** The name of the field that was changed.
`NewValue`	**Type** anyType **Properties** Nillable, Sort **Description** The new value of the field that was changed.
`OldValue`	**Type** anyType **Properties** Nillable, Sort **Description** The value of the field before it was changed.
`WorkTypeId`	**Type** reference **Properties** Filter, Group, Sort **Description** ID of the work type being tracked. The history is displayed on the detail page for this record.

WorkTypeOwnerSharingRule

Represents the rules for sharing a work type with user records other than the owner or anyone above the owner in the role hierarchy.

Note: To programmatically update owner sharing rules, we recommend that you use Metadata API. Contact Salesforce customer support to enable access to this object for your org.

Supported Calls

`describeSObjects()`, `getDeleted()`, `getUpdated()`, `query()`, `retrieve()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field	Details
`Description`	**Type** textarea **Properties** Create, Filter, Nillable, Sort, Update **Description** A description of the sharing rule. Maximum size is 1000 characters.
`DeveloperName`	**Type** string **Properties** Create, Defaulted on create, Filter, Group, Sort, Update **Description** The unique name of the object in the API. This name can contain only underscores and alphanumeric characters, and must be unique in your org. It must begin with a letter, not include spaces, not end with an underscore, and not contain two consecutive underscores. In managed packages, this field prevents naming conflicts on package installations. With this field, a developer can change the object's name in a managed package and the changes are reflected in a subscriber's organization. Corresponds to **Rule Name** in the user interface. Note: When creating large sets of data, always specify a unique `DeveloperName` for each record. If no `DeveloperName` is specified, performance may slow while Salesforce generates one for each record.
`GroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the source group. A work type owned by a User in the source Group triggers the rule to give access.
`Name`	**Type** string **Properties** Create, Filter, Group, Sort, Update

Field	Details
	Description Label of the sharing rule as it appears in the user interface. Limited to 80 characters. Corresponds to **Label** on the user interface.
`ServiceResourceAccessLevel`	**Type** picklist **Properties** Create, Filter, Group, Restricted picklist, Sort, Update **Description** A value that represents the type of access granted to the target Group, or UserRole. The possible values are: • `Read` • `Edit` • `All`
`UserOrGroupId`	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The ID representing the User or Group being granted access.

WorkTypeShare

Represents a sharing entry on a work type.

Supported Calls

`create()`, `delete()`, `describeSObjects()`, `query()`, `retrieve()`, `update()`, `upsert()`

Special Access Rules

Field Service Lightning must be enabled.

Fields

Field Name	Details
`AccessLevel`	**Type** picklist

Field Name	Details
	Properties Create, Filter, Group, Restricted picklist, Sort, Update **Description** Level of access that the user or group has to the work type. The possible values are: • *Read* • *Edit* • *All* (This value isn't valid for create or update calls.) Set to an access level that is at least equal to the organization's default work type access level.
ParentId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** The work type associated with the sharing entry.
RowCause	**Type** picklist **Properties** Create, Filter, Group, Nillable, Restricted picklist, Sort **Description** The reason why this sharing entry exists. You can write to this field only when its value is omitted or set to *Manual* (default). Valid values include: • *Manual*—The user or group has access because a user with "All" access manually shared the work type. • *Owner*—The user is the owner of the work type. • *Team*—The user or group has team access. • *Rule*—The user or group has access via a work type sharing rule.
UserOrGroupId	**Type** reference **Properties** Create, Filter, Group, Sort **Description** (Read only) ID of the user or group that has access to the work type.

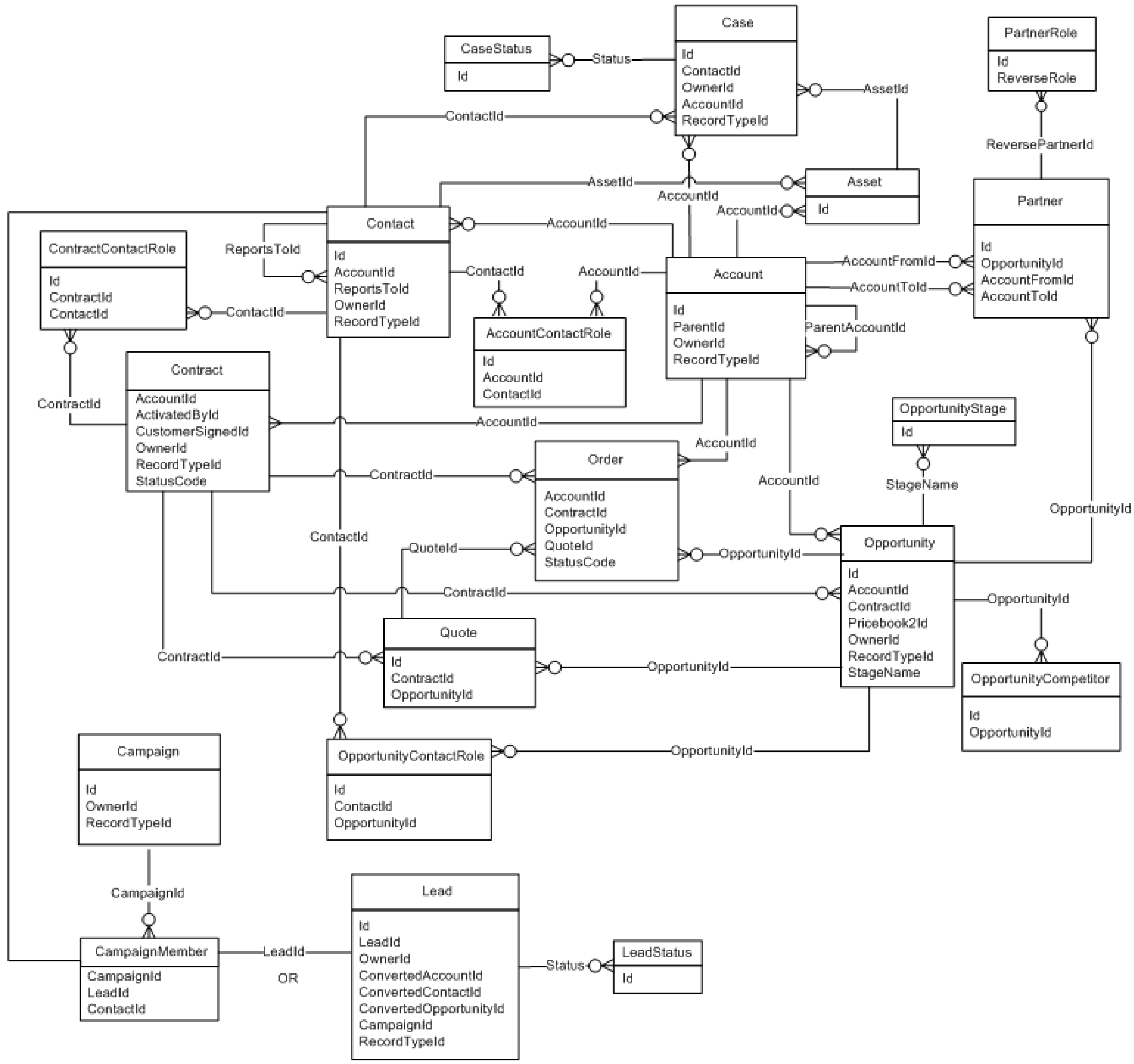
CHAPTER 3 Data Model

The entity relationship diagrams (ERDs) for standard Salesforce objects in this section illustrate important relationships between objects. Salesforce ERDs use crow's foot notation. The following ERDs are available.

- Sales Objects—includes accounts, contacts, opportunities, leads, campaigns, and other related objects
- Task and Event Objects—includes tasks and events and their related objects
- Support Objects—includes cases and solutions and their related objects
- Salesforce Knowledge Objects—includes view and vote statistics, article versions, and other related objects
- Document, Note, and Attachment Objects—includes documents, notes, and attachments and their related objects
- User, Sharing, and Permission Objects—includes users, profiles, and roles
- Profile and Permission Objects—includes users, profiles, permission sets, and related permission objects
- Record Type Objects—includes record types and business processes and their related objects
- Product and Schedule Objects—includes opportunities, products, and schedules
- Sharing and Team Selling Objects—includes account teams, opportunity teams, and sharing objects
- Customizable Forecasting Objects—includes forecasts and related objects
- Forecasts Objects—includes objects for Collaborative Forecasts.
- Territory Management 2.0 Objects—includes territories and related objects associated with Territory Management 2.0
- Territory Management—includes territories and related objects
- Process Objects—includes approval processes and related objects
- Content Objects—includes content and libraries and their related objects
- Chatter Feed Objects—includes objects related to feeds
- Work.com Badge and Reward Objects—includes badge and reward objects
- Work.com Feedback and Performance Cycle Objects—includes feedback and performance cycle objects

Each ERD includes links to the topics that describe the fields in objects related to the diagram. The data model for your custom objects depends on what you create.

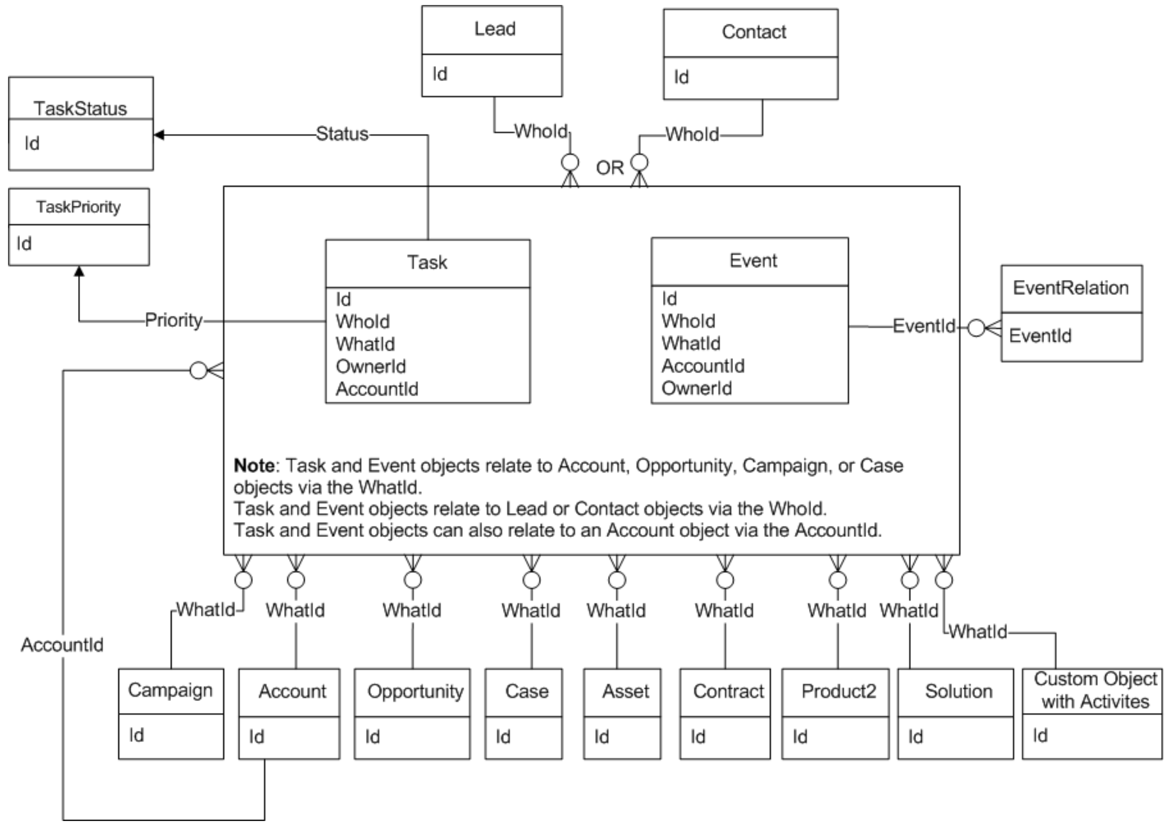
Sales Objects



SEE ALSO:

- Standard Objects
- Data Model

Task and Event Objects

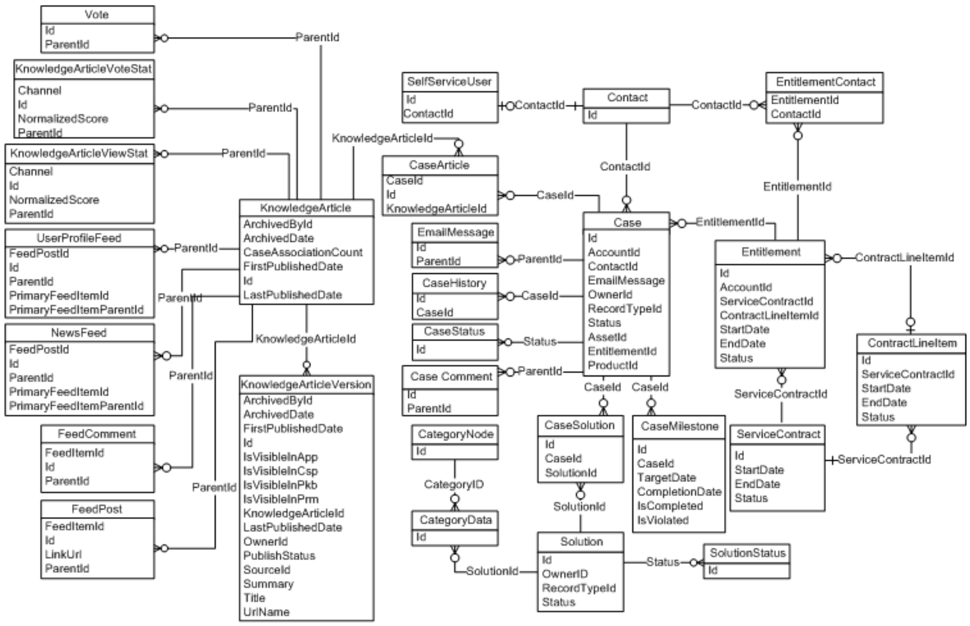


SEE ALSO:

Standard Objects

Data Model

Support Objects

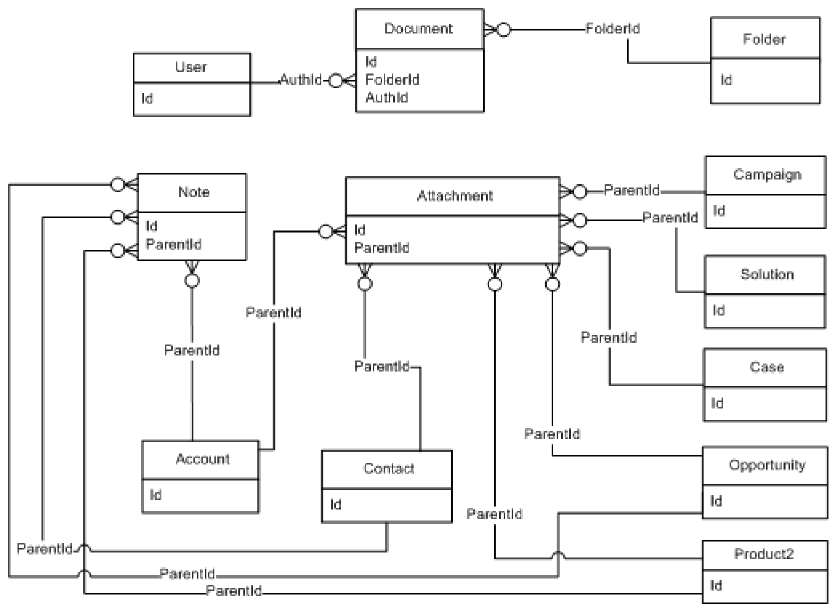


SEE ALSO:

[Standard Objects]

[Data Model]

Document, Note, and Attachment Objects

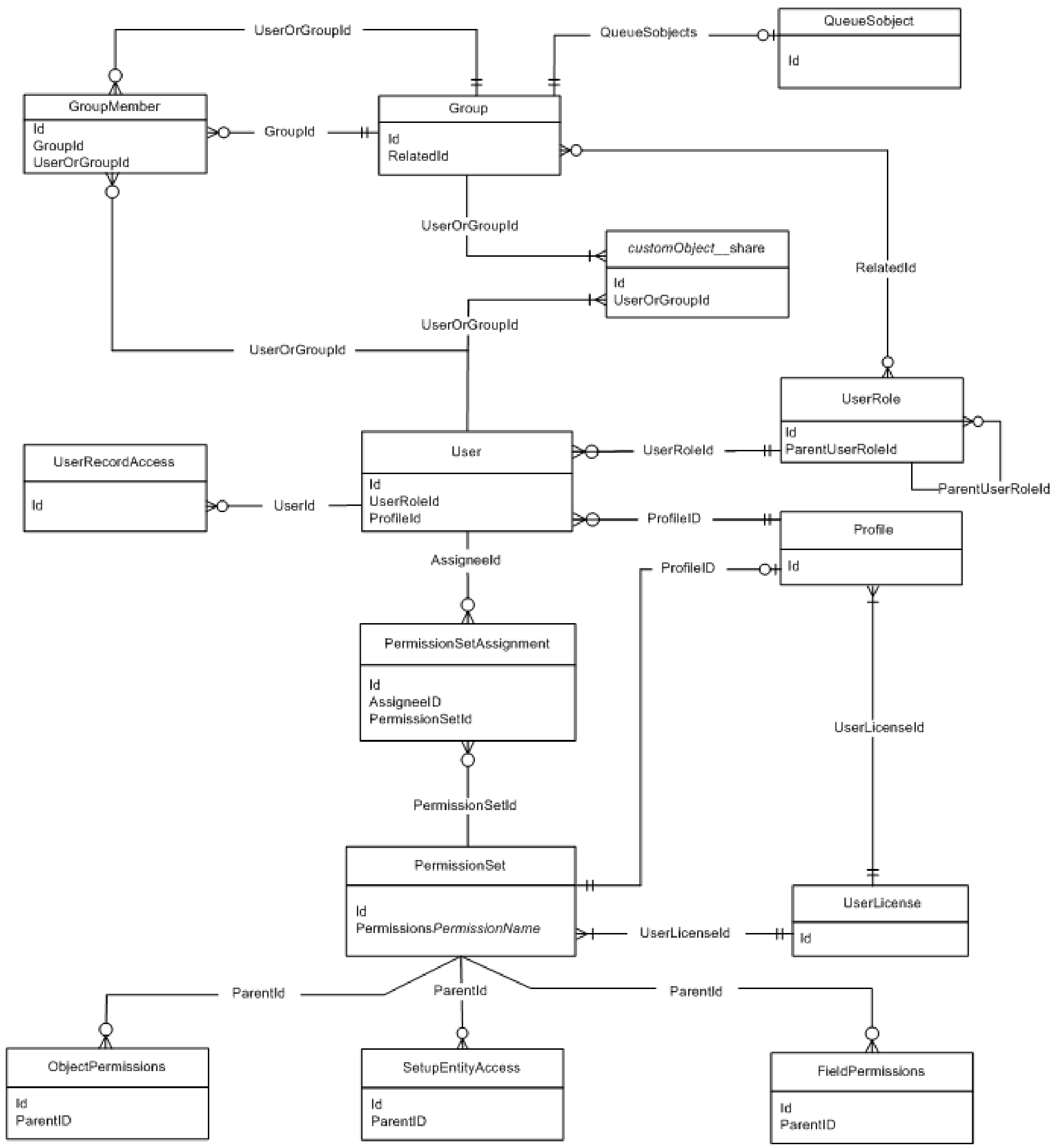


SEE ALSO:

[Standard Objects]()

[Data Model]()

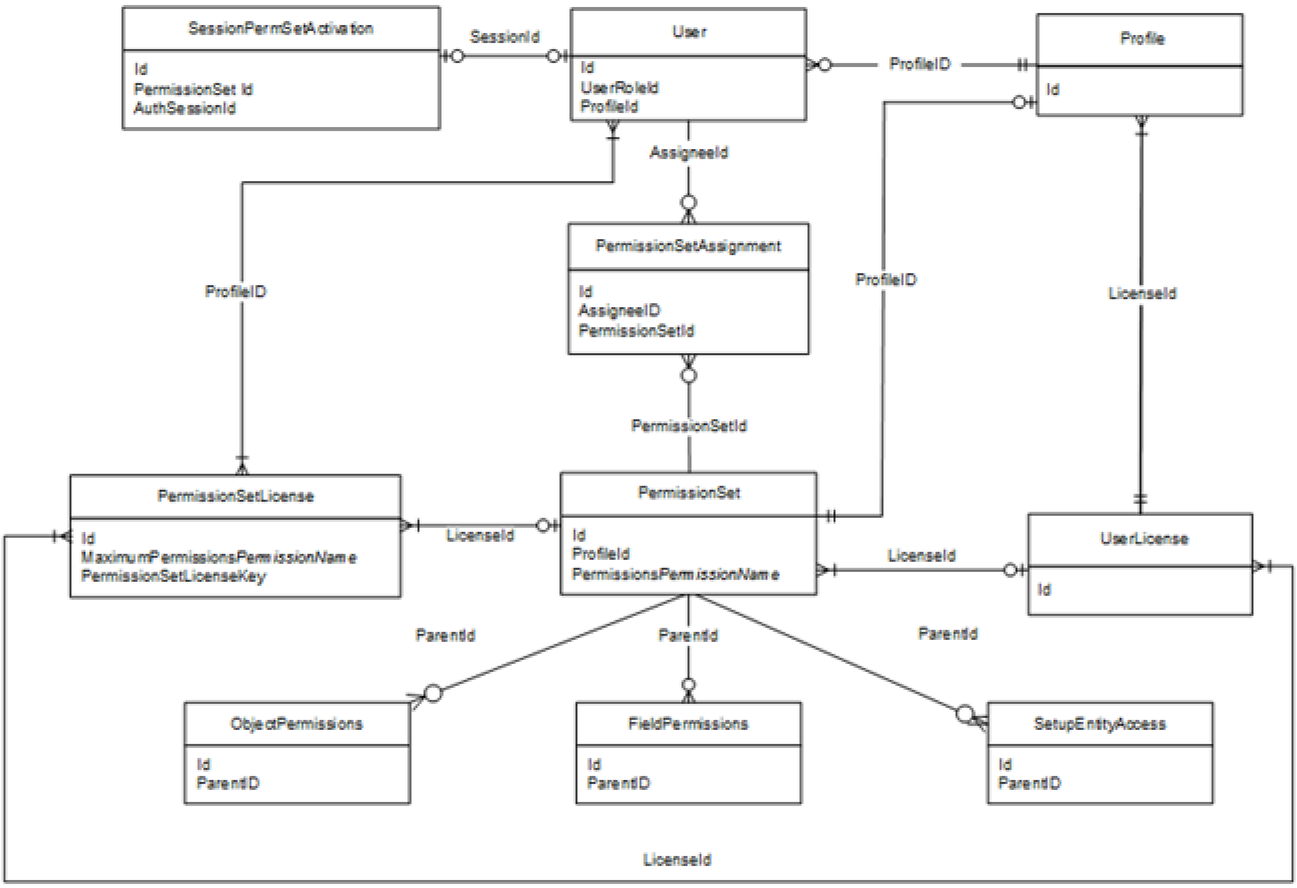
User, Sharing, and Permission Objects



SEE ALSO:

- Standard Objects
- Data Model
- Profile and Permission Objects

Profile and Permission Objects

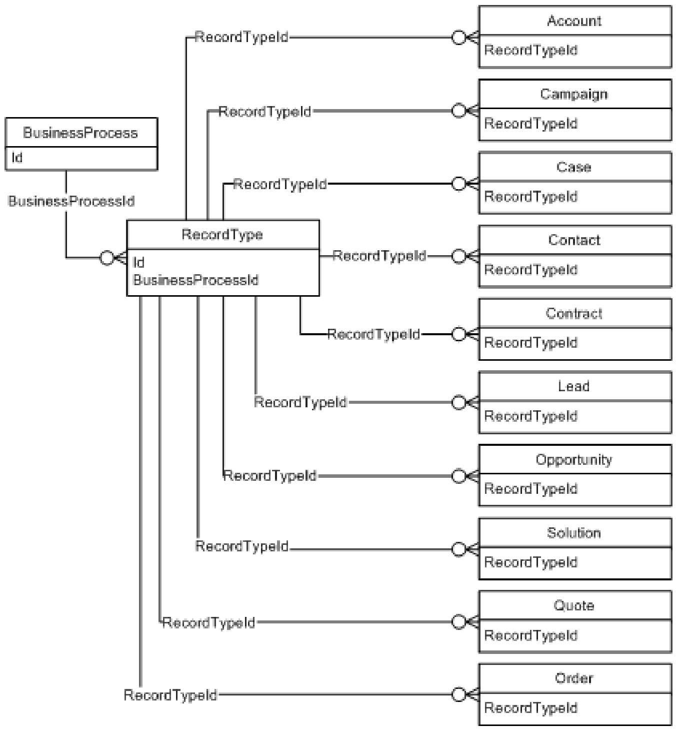


SEE ALSO:

[Standard Objects](#)

[Data Model](#)

Record Type Objects

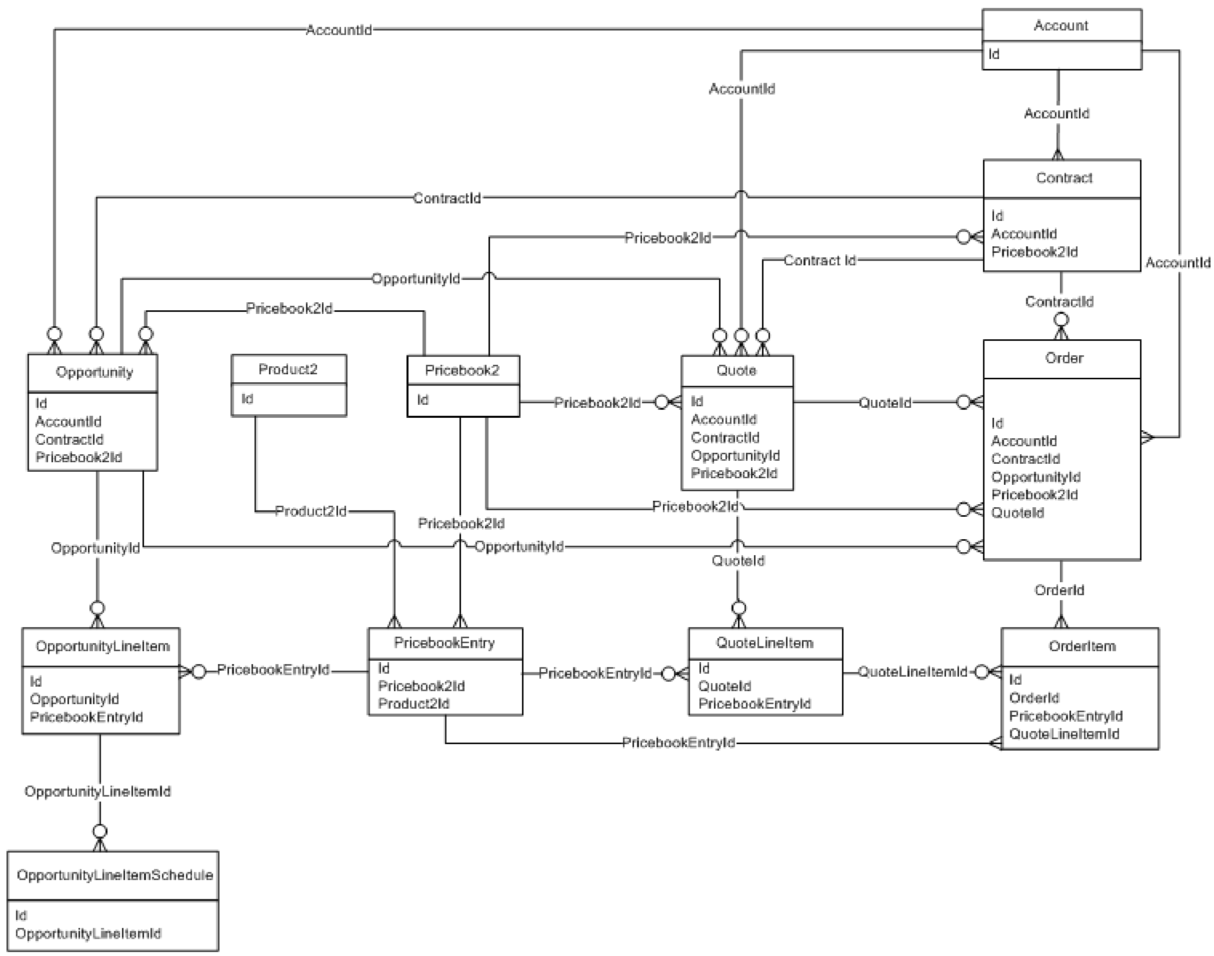


SEE ALSO:

Standard Objects

Data Model

Product and Schedule Objects



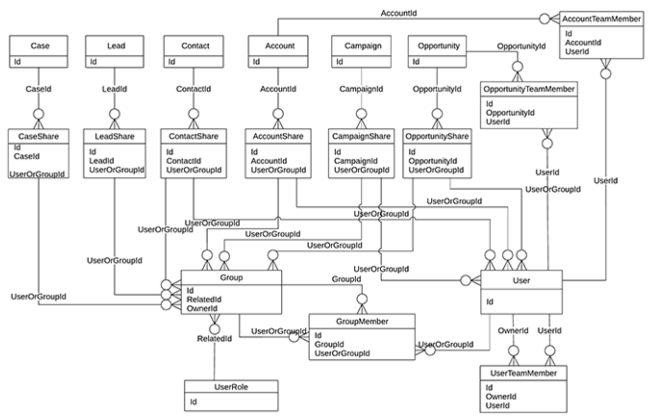
Create a separate PricebookEntry for each currency and price combination.

SEE ALSO:

Standard Objects

Data Model

Sharing and Team Selling Objects

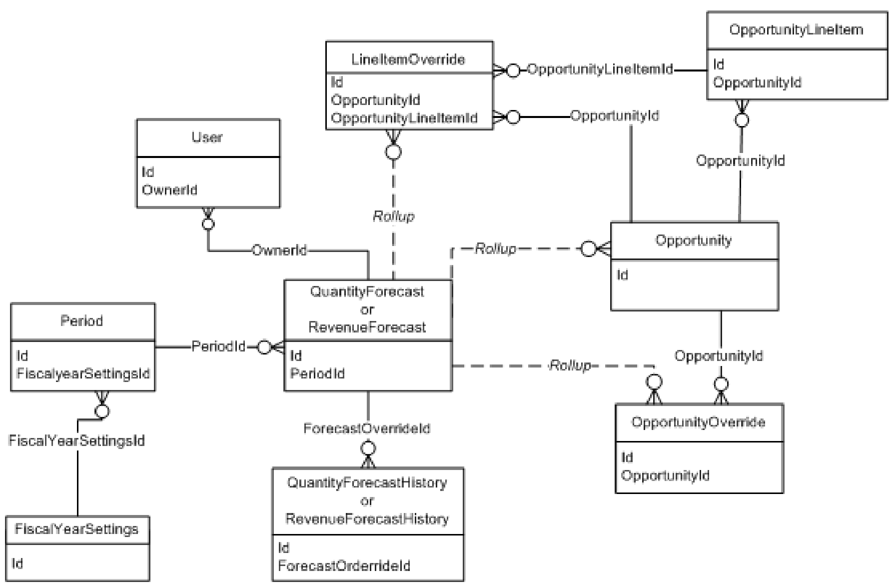


SEE ALSO:

[Standard Objects]

[Data Model]

Customizable Forecasting Objects



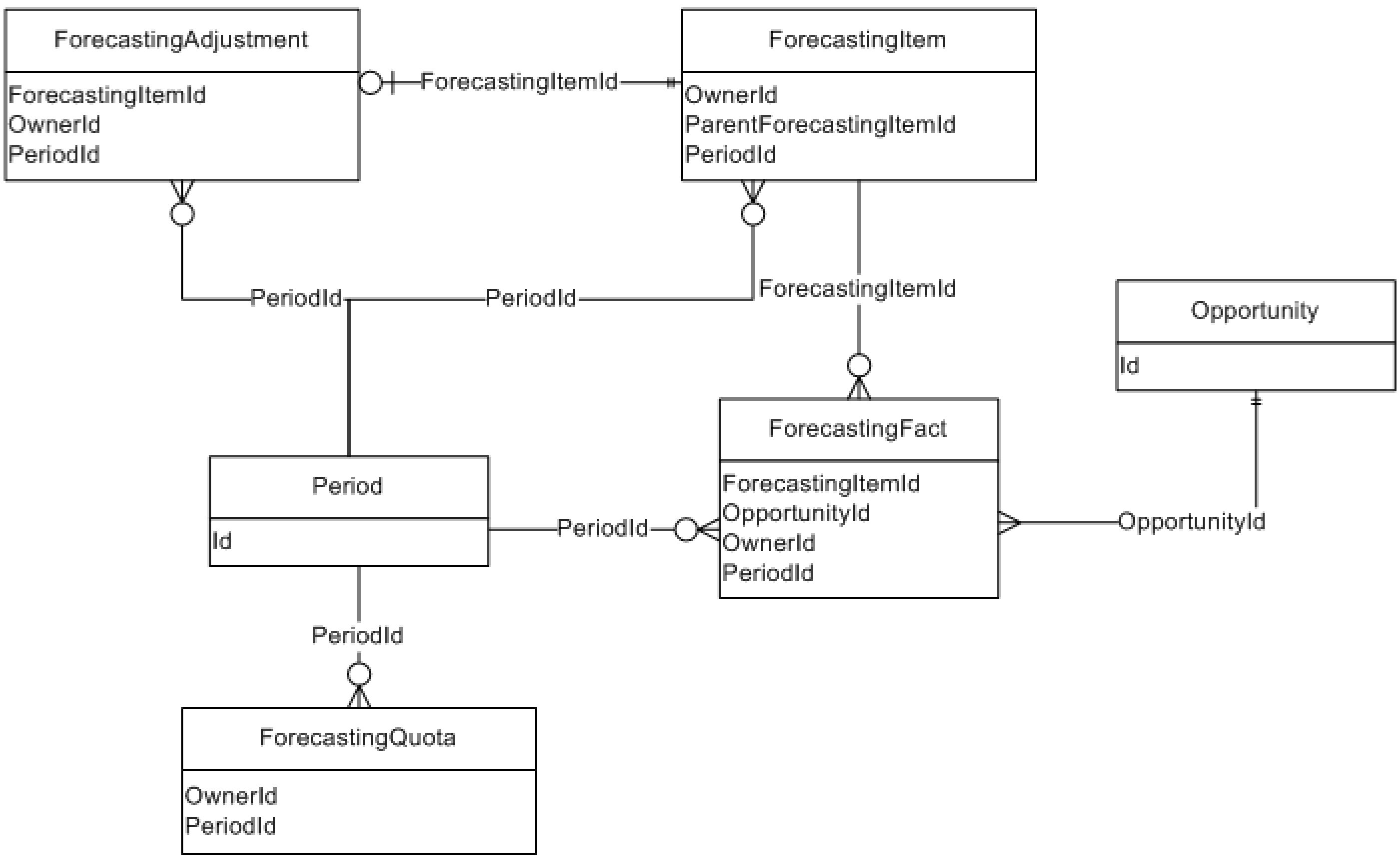
SEE ALSO:

[Standard Objects]

[Data Model]

Forecasts Objects

Note: This information only applies to Collaborative Forecasts.



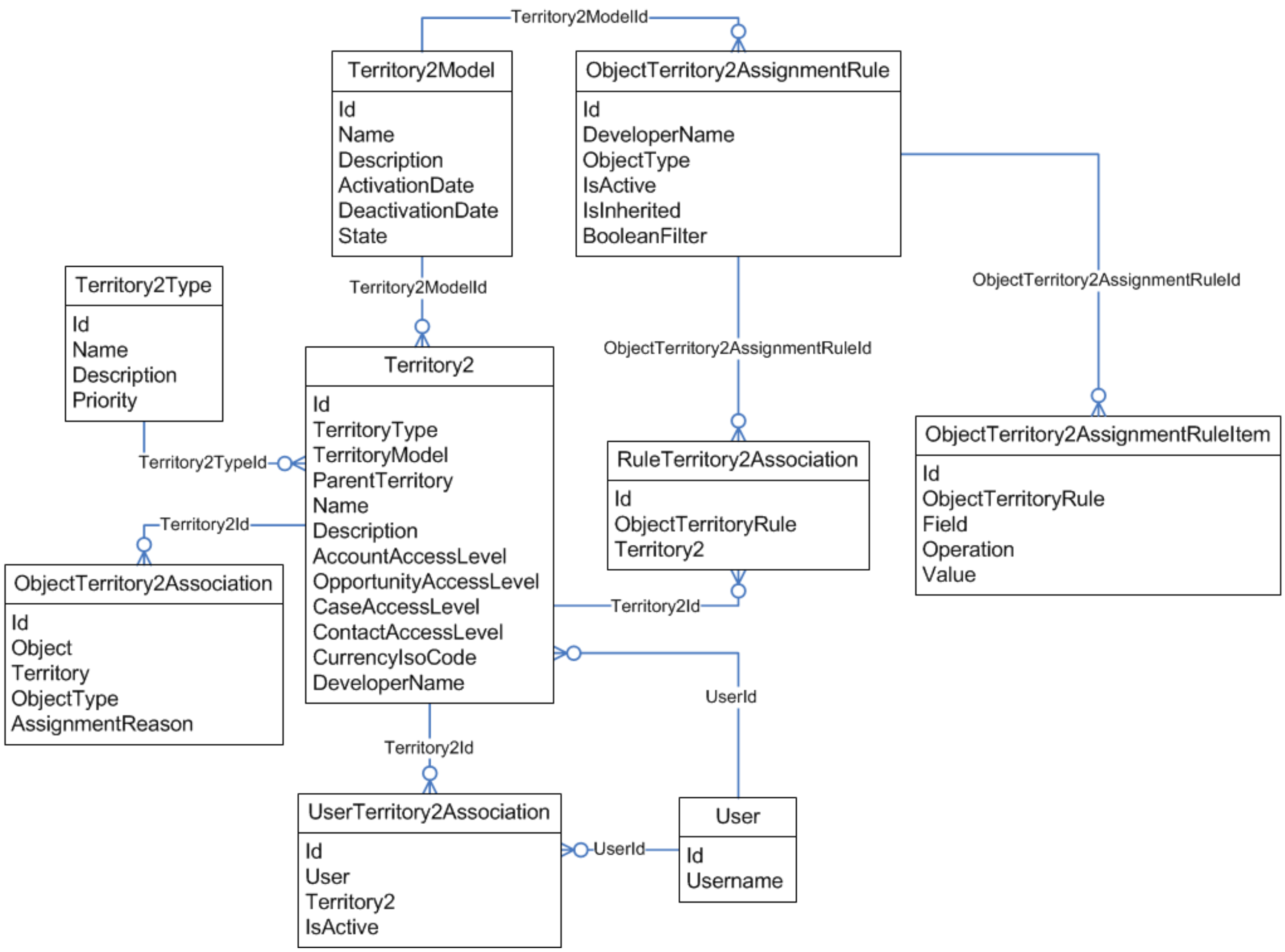
SEE ALSO:

Standard Objects

Data Model

Territory Management 2.0 Objects

Note: This information applies to Territory Management 2.0 only, not to previous versions of Territory Management.

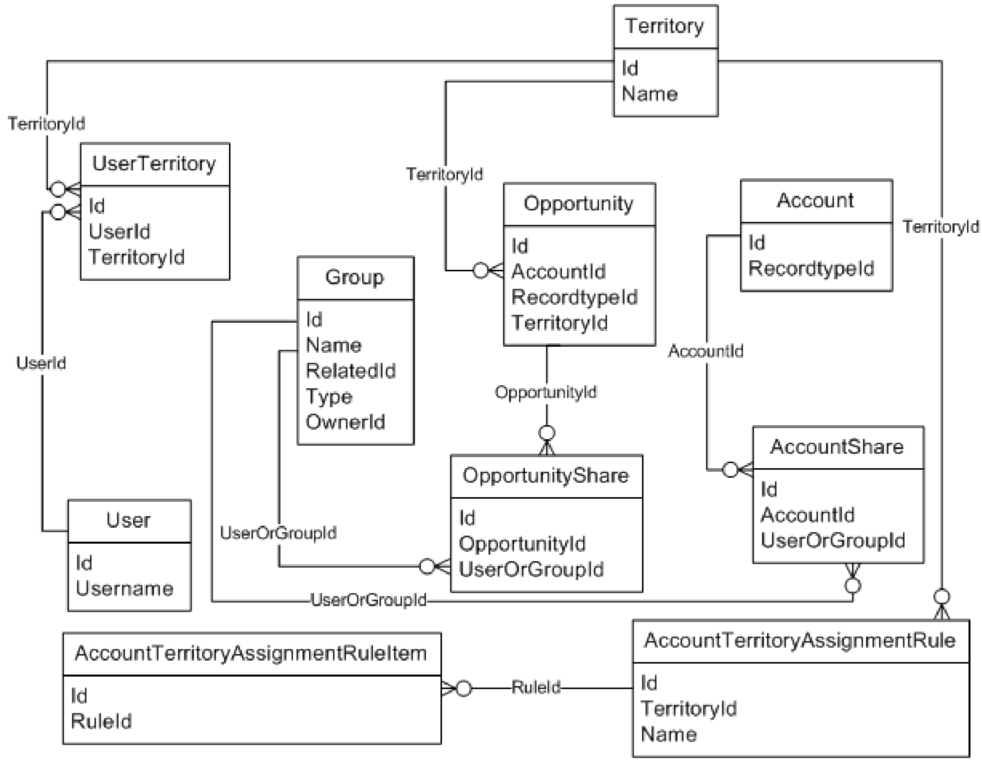


SEE ALSO:

[Standard Objects]

[Data Model]

Territory Management

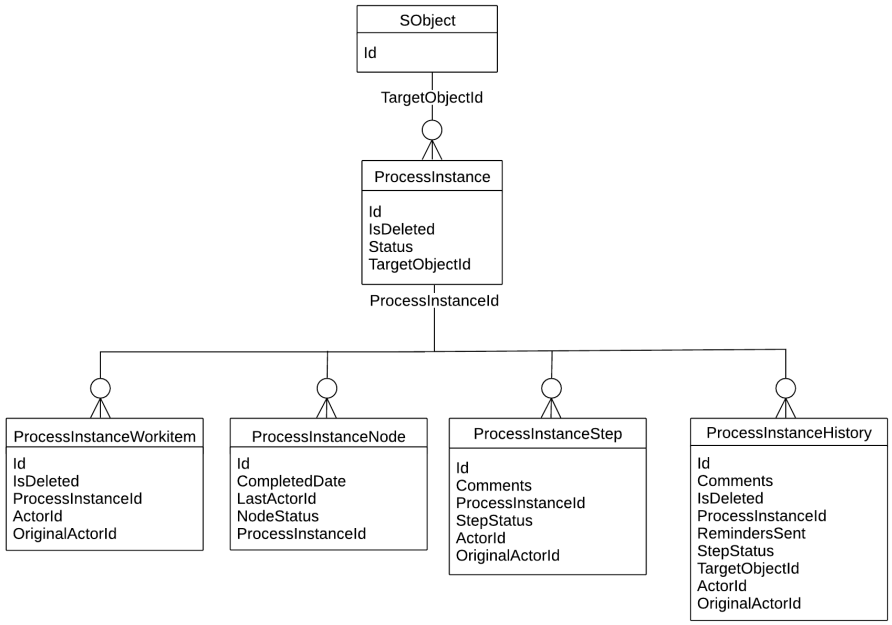


SEE ALSO:

[Standard Objects]

[Data Model]

Process Objects

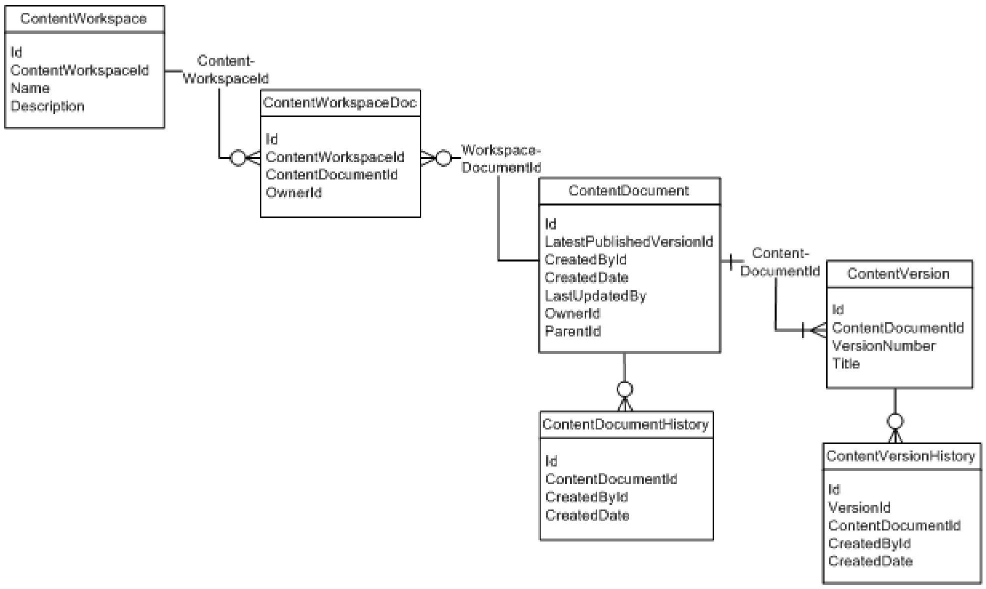


SEE ALSO:

Standard Objects

Data Model

Content Objects



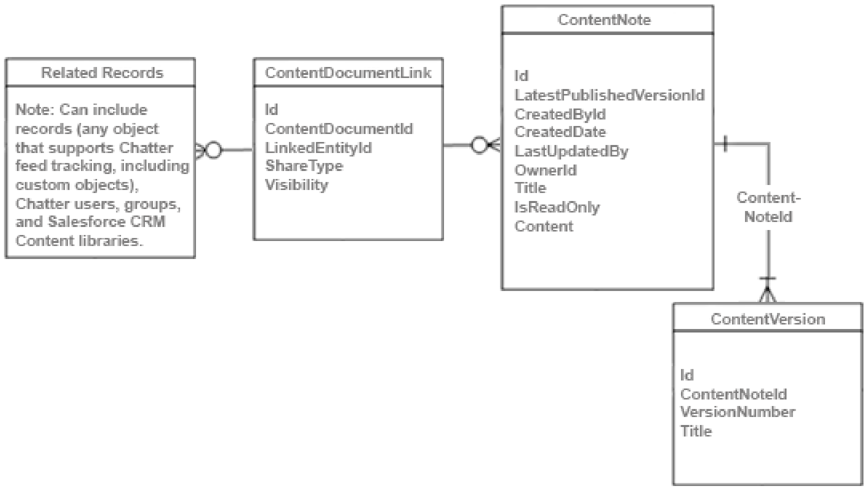
SEE ALSO:

Standard Objects

Data Model

ContentNote Objects

The ContentNote object represents notes created with the enhanced version of the Salesforce note-taking tool.



SEE ALSO:

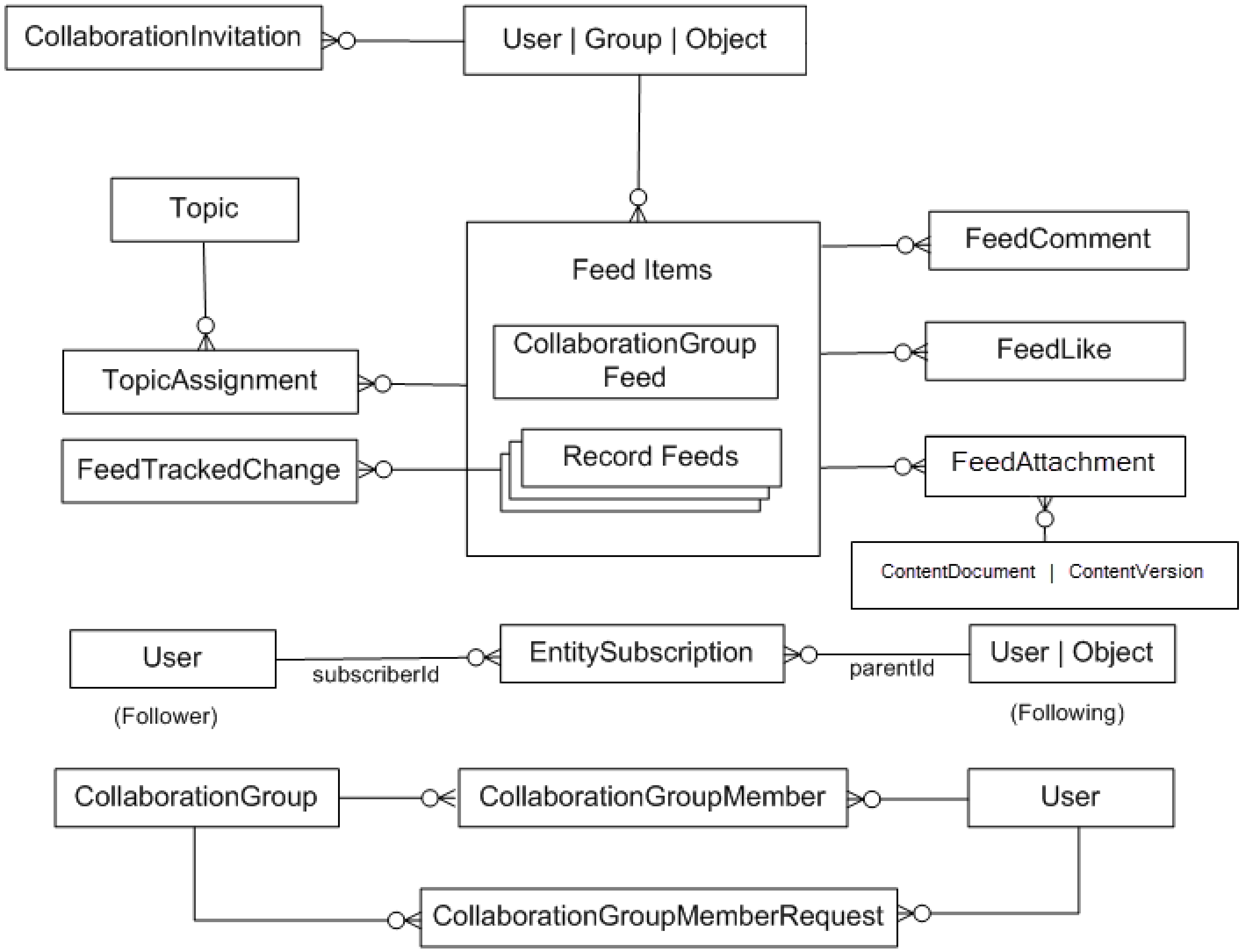
ContentNote

Chatter Objects

Diagram showing the relationships between the Chatter objects

The following diagram shows the relationships between the major Chatter objects.

- A feed item is an entry in the feed, such as a change to a record that's being followed, an updated post, or a user status change.
- All feed items have a `ParentId`, which is either:
  - a record
  - a user
  - a group



SEE ALSO:

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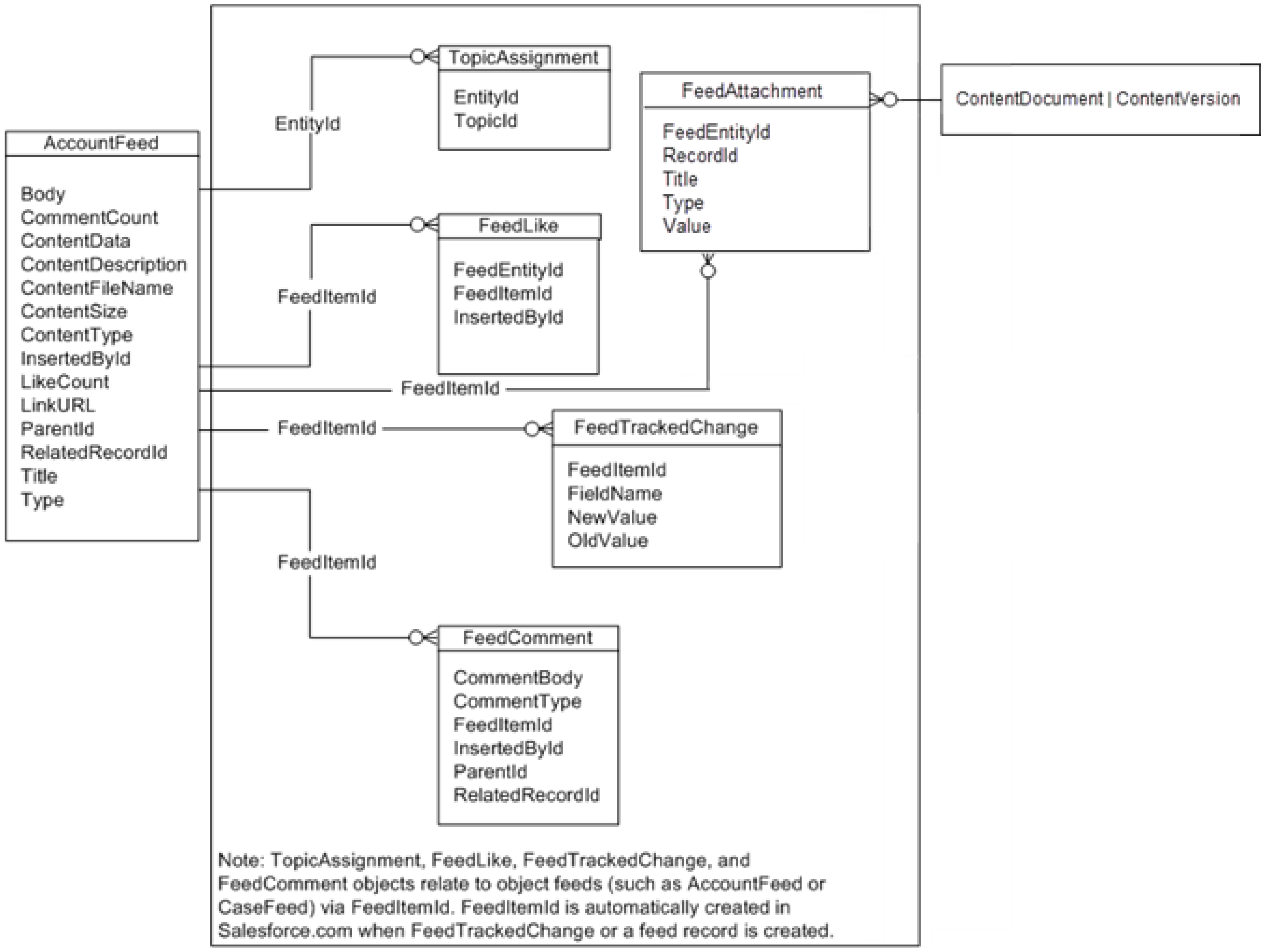
Chatter Feed Objects



Standard Objects with Feeds

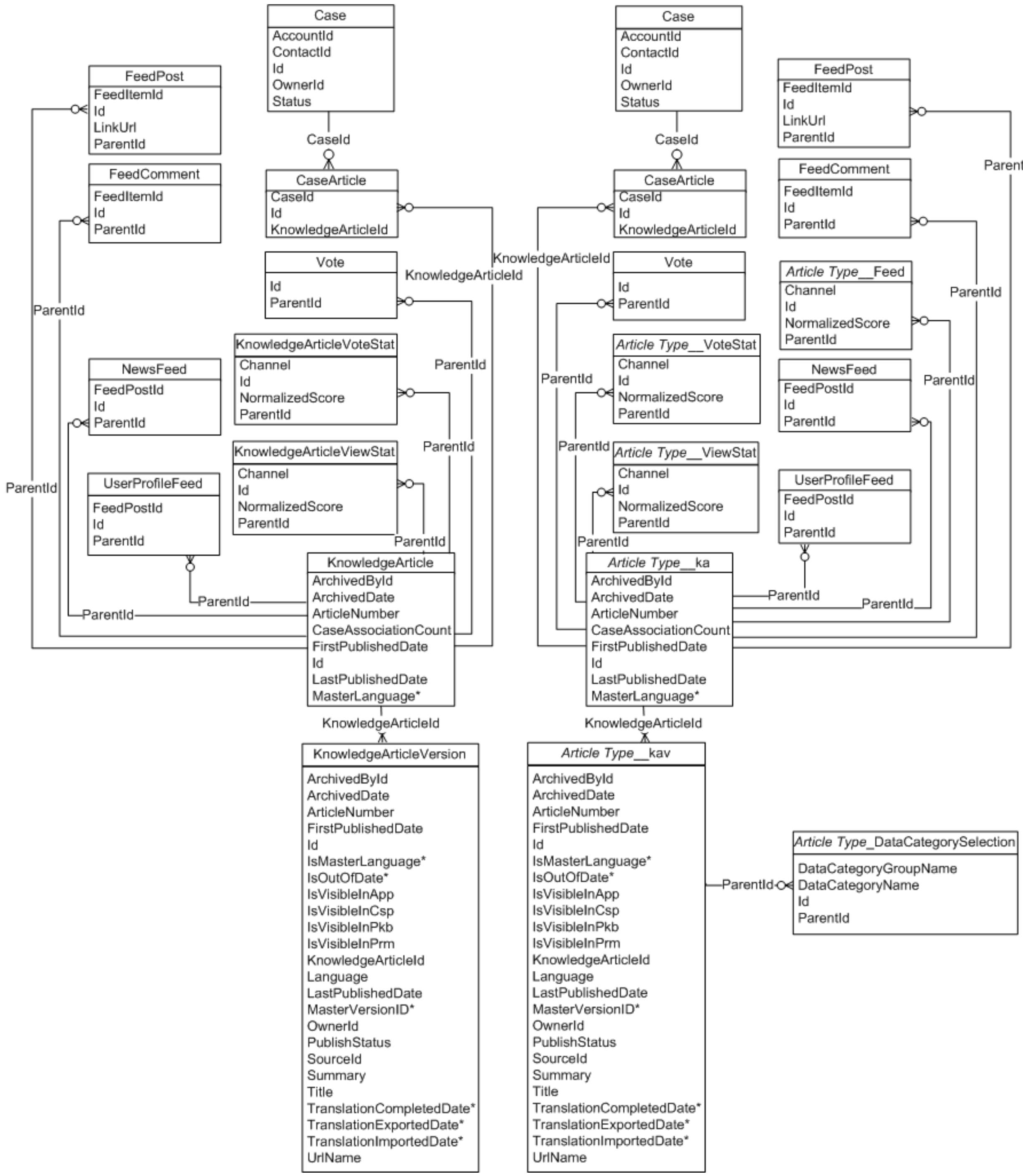
The following standard objects can have Chatter feeds: Account, Asset, Case, CollaborationGroup, Contact, ContentDocument, Contract, Dashboard, DashboardComponent, Entitlement, Event, KnowledgeArticle, Lead, Opportunity, Product2, Quote, Report, ServiceContract, Site, Solution, Task, Topic, User, WorkOrder, and WorkOrderLineItem.

SEE ALSO:

Standard Objects

Data Model

Salesforce Knowledge Objects



SEE ALSO:

[Standard Objects]

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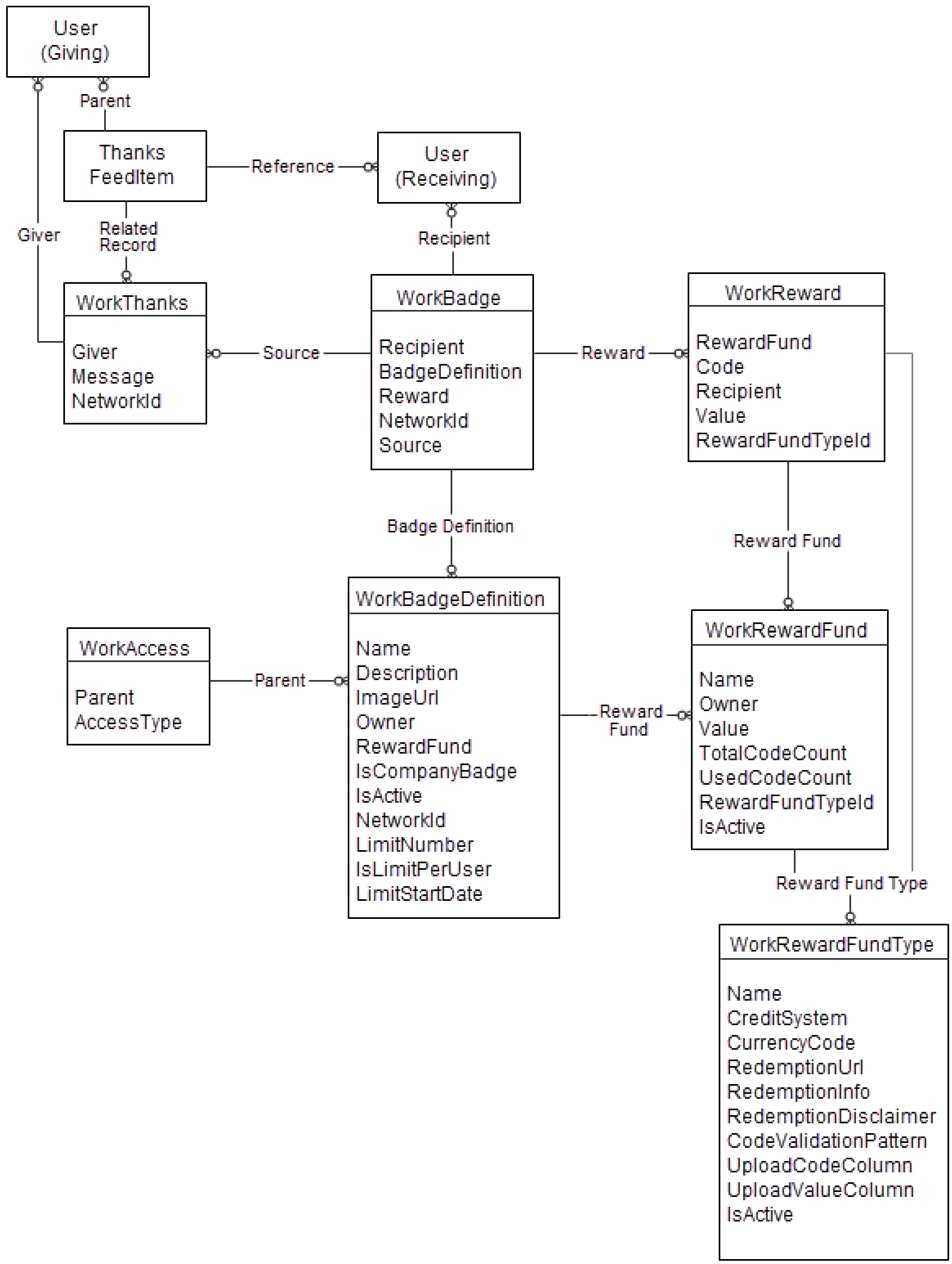
Work.com Badge and Reward Objects

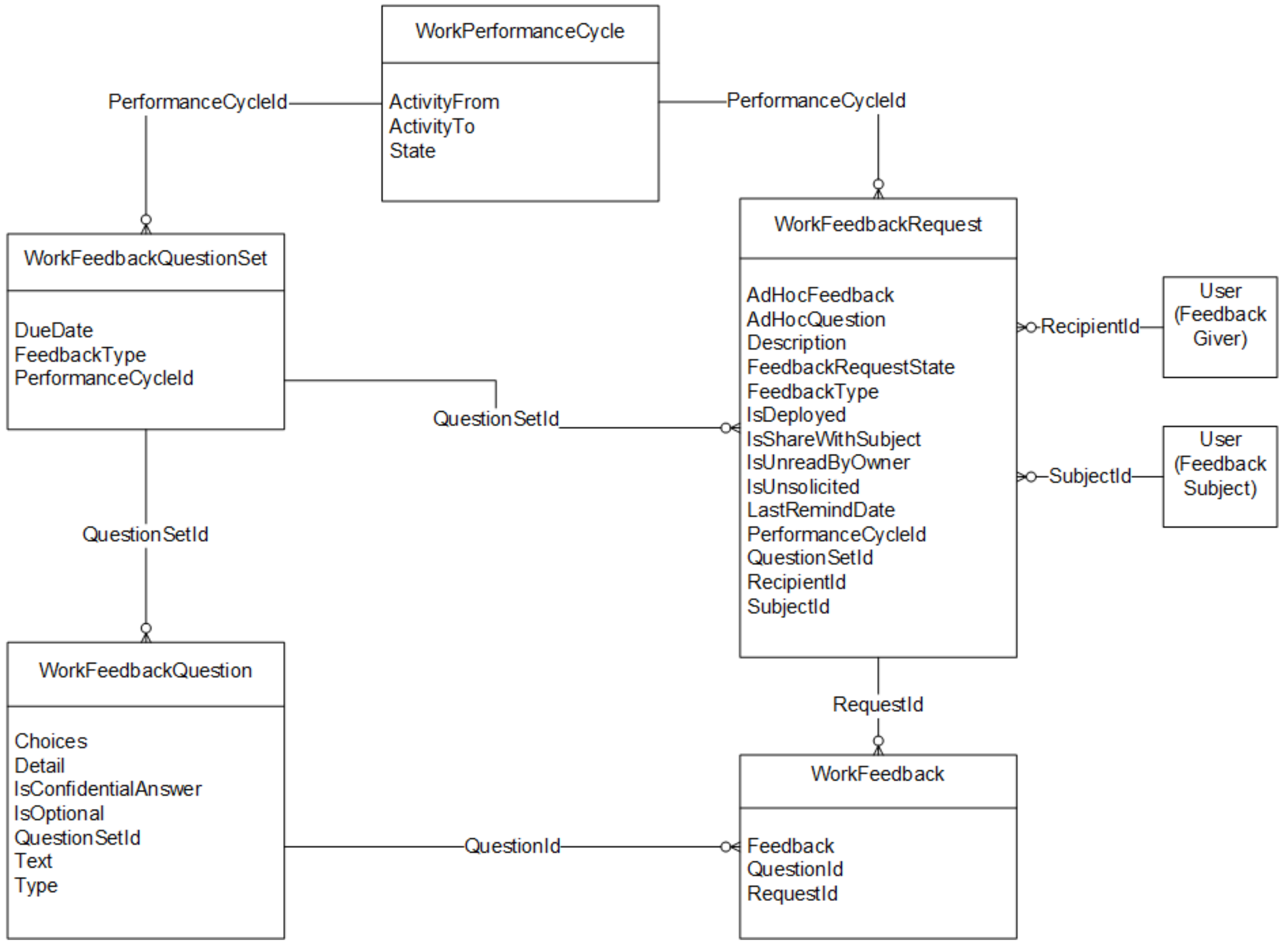


SEE ALSO:

Standard Objects

Data Model

Work.com Feedback and Performance Cycle Objects



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