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CHAPTER 1

Overview

In this chapter ... 
• Build the Resource URL
• Requirements and Limitations

The Reports and Dashboards REST API gives you programmatic access to your report and dashboard data as defined in the report builder and dashboard builder. The API lets you integrate the data into any web or mobile application, inside or outside the Salesforce platform. For example, you might use the API to trigger a Chatter post with a snapshot of top-performing reps each quarter.

The Reports and Dashboards REST API will revolutionize the way you access and visualize your data. You can:

• Integrate report data into custom objects.
• Define rich visualizations on top of the API to animate the data.
• Build custom dashboards.
• Automate reporting tasks.

At a high level, the API resources let you query and filter report data. You can:

• Run tabular, summary, or matrix reports synchronously or asynchronously.
• Filter for specific data on the fly.
• Query report metadata.

You can also work with dashboard resources to:

• Get a list of recently used dashboards.
• Get dashboard metadata and data.
• Query dashboard status.
• Refresh dashboards.
Build the Resource URL

Access all Reports and Dashboards REST API resources by using the URI for your company’s instance, combined with version and community information, and the URI for the resource.

When building a URL, start with your instance name:

```
https://instance_name
```

Then add the version information:

```
/services/data/v47.0
```

Then add the resource:

```
/analytics/reports
```

Put together, the full URL is:

```
https://instance_name/services/data/v47.0/analytics/reports
```

Some resources, such as notifications, often require one or more URL parameters without which API requests return an error:

```
https://instance_name/services/data/v47.0/analytics/notifications?source=lightningReportSubscribe
```

Requirements and Limitations

The Reports and Dashboards REST API is available for any organization that has API enabled. You must establish an authenticated session using OAuth in order to access the Reports and Dashboards REST API. When working with this API, consider these restrictions in addition to general API limits.

Note: Responses and requests are in JSON. While using the Reports and Dashboards REST API with a POST request body, you must use content-type: application/json. You might get unexpected results if you don’t use this content type.

**Reports Limits**

- Cross filters, standard report filters, and filtering by row limit are unavailable when filtering data.
- Historical tracking reports are only supported for matrix reports.
- Subscriptions aren’t supported for historical tracking reports.
- The API can process only reports that contain up to 100 fields selected as columns.
- A list of up to 200 recently viewed reports can be returned.
- Your org can request up to 500 synchronous report runs per hour.
- The API supports up to 20 synchronous report run requests at a time.
- A list of up to 2,000 instances of a report that was run asynchronously can be returned.
- The API supports up to 200 requests at a time to get results of asynchronous report runs.
- Your organization can request up to 1,200 asynchronous requests per hour.
- Asynchronous report run results are available within a 24-hour rolling period.
- The API returns up to the first 2,000 report rows. You can narrow results using filters.
- You can add up to 20 custom field filters when you run a report.
Dashboards Limits

- Your org can request up to 200 dashboard refreshes per hour.
- Your org can request results for up to 5,000 dashboards per hour.

Analytics Notification Limits

- Each user can subscribe to up to 5 reports.
- Each user can create up to 5 Wave notifications.

Note: All limits that apply to reports created in the report builder also apply to the API, as do limits for dashboards created in the dashboard builder. For more information, see “Salesforce Reports and Dashboards Limits” in the Salesforce online help.
CHAPTER 2  
Examples

In this chapter ...

• Reports Examples  
• Dashboards Examples  
• Notifications Examples

Learn how to run a report, refresh dashboard data, and send analytic notifications with these hands-on Reports and Dashboards REST API examples.
Reports Examples

Learn how to run, create, edit, or delete reports with the Reports REST API. Running a report returns a fact map that describes report data. Learn how to read report fact maps.

Create a New Report

Create a new report using a POST request.

Example Usage
/services/data/v39.0/analytics/reports

Example Request Body
To create a report, you only have to specify reportMetadata with a name and a reportType to create a new report. Other properties are optional.

```
{
  "reportMetadata": {
    "name": "NewReport",
    "reportType": {
      "type": "Opportunity"
    }
  }
}
```

Example Response Body
The response includes the new report's reportExtendedMetadata, reportMetadata, and reportTypeMetadata.

```
{
  "reportExtendedMetadata": {
    "aggregateColumnInfo": {
      "RowCount": {
        "dataType": "int",
        "label": "Record Count"
      }
    },
    "detailColumnInfo": {
      "ROLLUP_DESCRIPTION": {
        "dataType": "string",
        "label": "Owner Role"
      },
      "FULL_NAME": {
        "dataType": "string",
        "label": "Opportunity Owner"
      },
      "ACCOUNT_NAME": {
        "dataType": "string",
        "label": "Account Name"
      },
      "OPPORTUNITY_NAME": {
        "dataType": "string",
        "label": "Opportunity Name"
      },
      "STAGE_NAME": {
```
"dataType": "picklist",
"label": "Stage"
],
"FISCAL_QUARTER": {
"dataType": "string",
"label": "Fiscal Period"
},
"AMOUNT": {
"dataType": "currency",
"label": "Amount"
},
"PROBABILITY": {
"dataType": "percent",
"label": "Probability (%)"
},
"AGE": {
"dataType": "int",
"label": "Age"
},
"CLOSE_DATE": {
"dataType": "date",
"label": "Close Date"
},
"CREATED_DATE": {
"dataType": "datetime",
"label": "Created Date"
},
"NEXT_STEP": {
"dataType": "string",
"label": "Next Step"
},
"LEAD_SOURCE": {
"dataType": "picklist",
"label": "Lead Source"
},
"TYPE": {
"dataType": "picklist",
"label": "Type"
},
"groupingColumnInfo": { }
},
"reportMetadata": {
"aggregates": [ "RowCount" ],
"chart": null,
"crossFilters": [ ],
"currency": null,
"description": null,
"developerName": "DocTest2_mG",
"division": null,
"folderId": "005R0000000Kg8cIAC"}
"LAST_UPDATE_BY_ALIAS" : {
    "dataType": "string",
    "filterValues": [
    ],
    "filterable": true,
    "label": "Last Modified Alias"
},

"OPPORTUNITY_NAME" : {
    "dataType": "string",
    "filterValues": [
    ],
    "filterable": true,
    "label": "Opportunity Name"
},

"TYPE" : {
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    {
        "label": "Existing Business",
        "name": "Existing Business"
    },
    {
        "label": "New Business",
        "name": "New Business"
    }
    ],
    "filterable": true,
    "label": "Type"
},

"LEAD_SOURCE" : {
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    "filterValues": [
    {
        "label": "Advertisement",
        "name": "Advertisement"
    },
    {
        "label": "Employee Referral",
        "name": "Employee Referral"
    },
    {
        "label": "External Referral",
        "name": "External Referral"
    },
    {
        "label": "Partner",
        "name": "Partner"
    },
    {
        "label": "Public Relations",
        "name": "Public Relations"
    },
    {
        "label": "Seminar - Internal",
        "name": "Seminar - Internal"
    },
    {
        "label": "Seminar - Partner",
        "name": "Seminar - Partner"
    },
    {
        "label": "Trade Show",
        "name": "Trade Show"
    },
    {
        "label": "Web",
        "name": "Web"
    }
}
{,
  "label" : "Word of mouth",
  "name" : "Word of mouth"
}, {
  "label" : "Other",
  "name" : "Other"
},
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"label" : "Lead Source"
},
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  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Primary Partner"
},
"AMOUNT" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Amount"
},
"CLOSED" : {
  "dataType" : "boolean",
  "filterValues" : [ {
    "label" : "True",
    "name" : "True"
  }, {
    "label" : "False",
    "name" : "False"
  } ],
  "filterable" : true,
  "label" : "Closed"
},
"WON" : {
  "dataType" : "boolean",
  "filterValues" : [ {
    "label" : "True",
    "name" : "True"
  }, {
    "label" : "False",
    "name" : "False"
  } ],
  "filterable" : true,
  "label" : "Won"
},
"CLOSE_DATE" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Close Date"
},
"CLOSE_DATE2" : {
  "dataType" : "date",

"filterValues" : [ ],
"filterable" : true,
"label" : "Close Date (2)"
},
"CLOSE_MONTH" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Close Month"
},
"LAST_STAGE_CHANGE_DATE" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Last Stage Change Date"
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"NEXT_STEP" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Next Step"
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  "filterValues" : [ {
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    "name" : "Prospecting"
  }, {
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    "name" : "Qualification"
  }, {
    "label" : "Needs Analysis",
    "name" : "Needs Analysis"
  }, {
    "label" : "Value Proposition",
    "name" : "Value Proposition"
  }, {
    "label" : "Id. Decision Makers",
    "name" : "Id. Decision Makers"
  }, {
    "label" : "Perception Analysis",
    "name" : "Perception Analysis"
  }, {
    "label" : "Proposal/Price Quote",
    "name" : "Proposal/Price Quote"
  }, {
    "label" : "Negotiation/Review",
    "name" : "Negotiation/Review"
  }, {
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    "name" : "Closed Won"
  }, {
    "label" : "Closed Lost",
    "name" : "Closed Lost"
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},
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    "filterValues" : [ ],
    "filterable" : true,
    "label" : "Fiscal Period"
},
"FISCAL_YEAR" : {
    "dataType" : "int",
    "filterValues" : [ ],
    "filterable" : true,
    "label" : "Fiscal Year"
},
"AGE" : {
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    "filterValues" : [ ],
    "filterable" : true,
    "label" : "Age"
},
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    "filterValues" : [ ],
    "filterable" : true,
    "label" : "Stage Duration"
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        "name" : "Omitted"
    }, { 
        "label" : "Pipeline",
        "name" : "Pipeline"
    }, { 
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        "name" : "Best Case"
    }, { 
        "label" : "Commit",
        "name" : "Commit"
    }, { 
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        "name" : "Closed"
    } ],
    "filterable" : true,
    "label" : "Forecast Category"
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Opportunity ID"
},
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Last Activity"
},
"DESCRIPTION" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Description"
},
"HASOPPLINEITEM" : {
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  "filterValues" : [ { "label" : "True", "name" : "True" }, { "label" : "False", "name" : "False" } ],
  "filterable" : true,
  "label" : "Has Products"
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"CREATED_DATE" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Created Date"
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"LAST_UPDATE" : {
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  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Last Modified Date"
}
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},
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  "FULL_NAME" : {
    "dataType" : "string",
    "filterValues" : [ ],
    "filterable" : true,
    "label" : "Opportunity Owner"
  },
  "ROLLUP_DESCRIPTION" : {

"dataType": "string",
"filterValues": [ ],
"filterable": true,
"label": "Owner Role"
},
"ALIAS": {
"dataType": "string",
"filterValues": [ ],
"filterable": true,
"label": "Opportunity Owner Alias"
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"filterValues": [ ],
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},
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"filterValues": [ ],
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"label": "Opportunity Owner: Phone"
},
"OWNER_MOBILE_PHONE": {
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"filterValues": [ ],
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"label": "Opportunity Owner: Manager"
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}, {
  "label": "False",
  "name": "False"
} ],
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"label": "Opportunity Owner: Active"
},
"label": "Opportunity Owner Information"
],
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    "filterValues": [ ],
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  },
  "ACCOUNT_OWNER": {
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    "filterValues": [ ],
    "filterable": true,
    "label": "Account Owner"
  },
  "ACCOUNT_OWNER_ALIAS": {
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    "filterValues": [ ],
    "filterable": true,
    "label": "Account Owner Alias"
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    "filterValues": [ ],
    "filterable": true,
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    "filterValues": [ ],
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    "label": "Parent ID"
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"label": "Parent Account ID"
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"filterable": true,
"label": "Annual Revenue"
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"ACCOUNT_TYPE": {
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"filterValues": [ {
"label": "Analyst",
"name": "Analyst"
}, {
"label": "Competitor",
"name": "Competitor"
}, {
"label": "Customer",
"name": "Customer"
}, {
"label": "Integrator",
"name": "Integrator"
}, {
"label": "Investor",
"name": "Investor"
}, {
"label": "Partner",
"name": "Partner"
}, {
"label": "Press",
"name": "Press"
}, {
"label": "Prospect",
"name": "Prospect"
}, {
"label": "Reseller",
"name": "Reseller"
}, {
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"name": "Other"
} ],
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"label": "Account Type"
},
"INDUSTRY": {
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"label": "Agriculture",
"name": "Agriculture"
}, {
"label": "Apparel",
"name": "Apparel"
} ]}
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"name" : "Banking"
}, {
"label" : "Biotechnology",
"name" : "Biotechnology"
}, {
"label" : "Chemicals",
"name" : "Chemicals"
}, {
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}, {
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}, {
"label" : "Environmental",
"name" : "Environmental"
}, {
"label" : "Finance",
"name" : "Finance"
}, {
"label" : "Food & Beverage",
"name" : "Food & Beverage"
}, {
"label" : "Government",
"name" : "Government"
}, {
"label" : "Healthcare",
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}, {
"label" : "Hospitality",
"name" : "Hospitality"
}, {
"label" : "Insurance",
"name" : "Insurance"
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}, {
  "label": "Manufacturing",
  "name": "Manufacturing"
}, {
  "label": "Media",
  "name": "Media"
}, {
  "label": "Not For Profit",
  "name": "Not For Profit"
}, {
  "label": "Other",
  "name": "Other"
}, {
  "label": "Recreation",
  "name": "Recreation"
}, {
  "label": "Retail",
  "name": "Retail"
}, {
  "label": "Shipping",
  "name": "Shipping"
}, {
  "label": "Technology",
  "name": "Technology"
}, {
  "label": "Telecommunications",
  "name": "Telecommunications"
}, {
  "label": "Transportation",
  "name": "Transportation"
}, {
  "label": "Utilities",
  "name": "Utilities"
},
"filterable": true,
"label": "Industry"
},
"EMPLOYEES": {
  "dataType": "int",
  "filterValues": [ ],
  "filterable": true,
  "label": "Employees"
},
"ACCOUNT_ID": {
  "dataType": "id",
  "filterValues": [ ],
  "filterable": true,
  "label": "Account ID"
},
"ACCOUNT_LAST_ACTIVITY": {
  "dataType": "date",
  "filterValues": [ ],
  "filterable": true,
  "label": "Account Last Activity"}
Create a New Report

Examples

"filterable": true,
"label": "Account: Last Activity"
},
"ACCOUNT.CREATED.DATE": {
"dataType": "datetime",
"filterValues": [],
"filterable": true,
"label": "Account: Created Date"
},
"ACCOUNT.LAST.UPDATE": {
"dataType": "datetime",
"filterValues": [],
"filterable": true,
"label": "Account: Last Modified Date"
},
"ACCOUNT.DESCRIPTION": {
"dataType": "textarea",
"filterValues": [],
"filterable": true,
"label": "Account Description"
}
},
"label": "Account: General"
},
"columns": {
"ADDRESS1.STREET": {
"dataType": "textarea",
"filterValues": [],
"filterable": true,
"label": "Billing Street"
},
"ADDRESS1.LINE1": {
"dataType": "string",
"filterValues": [],
"filterable": true,
"label": "Billing Address Line 1"
},
"ADDRESS1.LINE2": {
"dataType": "string",
"filterValues": [],
"filterable": true,
"label": "Billing Address Line 2"
},
"ADDRESS1.LINE3": {
"dataType": "string",
"filterValues": [],
"filterable": true,
"label": "Billing Address Line 3"
},
"ADDRESS1.CITY": {
"dataType": "string",
"filterValues": [],
"filterable": true,
"label": "Billing City"
"ADDRESS1_STATE" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Billing State/Province"
},
"ADDRESS1_ZIP" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Billing Zip/Postal Code"
},
"ADDRESS1_COUNTRY" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Billing Country"
},
"ADDRESS2_STREET" : {
  "dataType" : "textarea",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Shipping Street"
},
"ADDRESS2_LINE1" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "label" : "Shipping Address Line 1"
},
"ADDRESS2_LINE2" : {
  "dataType" : "string",
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Create a New Report Examples
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  "value" : "NEXT_QUARTER"
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  "startDate" : "2016-07-01",
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  "value" : "NEXT_N_DAYS:60"
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Run Reports Synchronously or Asynchronously

Get summary data with or without details by running a report synchronously or asynchronously through the API. When you run a report, the API returns data for the same number of records that are available when the report is run in the Salesforce user interface.

Run a report synchronously if you expect it to finish running quickly. Otherwise, we recommend that you run reports through the API asynchronously for these reasons:

- Long running reports have a lower risk of reaching the timeout limit when run asynchronously.
- The 2-minute overall Salesforce API timeout limit doesn't apply to asynchronous runs.
- The Salesforce Reports and Dashboards REST API can handle a higher number of asynchronous run requests at a time.
- Since the results of an asynchronously run report are stored for a 24-hr rolling period, they’re available for recurring access.

To run a report synchronously:

- Send a GET or POST request to the Execute Sync resource to get data.
- Use a POST request to get specific results on the fly by passing dynamic filters, groupings, and aggregates in the report metadata.

To fetch report data asynchronously:

1. Send a POST request to the Execute Async resource. If you’re passing filters, include them in the POST request metadata. The request returns the instance ID where results of the run are stored.
2. Send a GET request to the Instance Results resource to fetch data using the instance ID.

Example of a synchronous report run

This GET request to the Execute Sync resource, /services/data/v35.0/analytics/reports/00OR0000000K2UeMAK?includeDetails=true, for a synchronous run returns summary data with details.

```json
{
    "attributes": {
        "describeUrl": "/services/data/v35.0/analytics/reports/00OR0000000K2UeMAK/describe",
        "instancesUrl": "/services/data/v35.0/analytics/reports/00OR0000000K2UeMAK/instances",
        "reportId": 35
    }
}
```
Examples

---

```json
"label" : "July 2015",
"value" : "2015-07-01"
}
,

{ "groupings" : [
  { "groupings" : [ ], "key" : "1_0", "label" : "Existing Business", "value" : "Existing Business" },
  { "groupings" : [ ], "key" : "1_1", "label" : "New Business", "value" : "New Business" } ],
  "key" : "1",
  "label" : "August 2015",
  "value" : "2015-08-01"
},

{ "groupings" : [
  { "groupings" : [ ], "key" : "2_0", "label" : "Existing Business", "value" : "Existing Business" } ],
  "key" : "2",
  "label" : "September 2015",
  "value" : "2015-09-01"
] }},

"groupingsDown" : {
  "groupings" : [ 
  { "groupings" : [ ], "key" : "0", "label" : "Acme", "value" : "001R0000002GuzsIAC" },
  { "groupings" : [ ], "key" : "1", "label" : "Facebook", "value" : "001R0000001nUAmIAM" },
  { "groupings" : [ ], "key" : "2", "label" : "Home Depot", "value" : "001R0000002Gv5IAC" },
  { "groupings" : [ ], "key" : "3", "label" : "Mircosoft", "value" : "001R0000002Gv5QIAS" } ] }
},

"hasDetailRows" : true,
"reportExtendedMetadata" : {
  "aggregateColumnInfo" : {
    "a!AMOUNT" : { "acrossGroupingContext" : null, "dataType" : "currency", "downGroupingContext" : null, "label" : "Average Amount" },
    "RowCount" : { "acrossGroupingContext" : null, "dataType" : "int", "downGroupingContext" : null, "label" : "Record Count" }
  },
  "detailColumnInfo" : {
```

---

Run Reports Synchronously or Asynchronously

Examples
Example of an asynchronous report run

1. This is a POST request (an empty request body),
/services/data/v35.0/analytics/reports/00OR0000000K2UeMAK/instances, to the Execute Async resource for an asynchronous run requesting summary results.

   {} 

   The response to the POST request returns the instance handle that stores the summary results of the run.

   

   

   

2. A GET request,
/services/data/v35.0/analytics/reports/00OR0000000K2UeMAK/instances/0LGR0000000He30AE, to the Instance Results resource for the instance handle fetches the report results.

   

   

   

Examples

Run Reports Synchronously or Asynchronously
```json

"reportName": "Deals Closing This Quarter",
"requestDate": "2015-08-12T16:05:43Z",
"status": "Success",
"type": "ReportInstance"},
"allData": true,
"factMap": {
"2!0_0": {
  "aggregates": [
  { "label": "$16,000.01", "value": 16000.01000000000218278728425502777099609375 },
  { "label": "$16,000.01", "value": 16000.01000000000218278728425502777099609375 }],
  "rows": [{
    "dataCells": [
    { "label": "Acme - 200 Widgets", "value": "006R00000023IDYIA2" },
    { "label": "$16,000.01", "value": { "amount": 16000.01, "currency": null } },
    { "label": "Word of mouth", "value": "Word of mouth" },
    { "label": "Need estimate", "value": "Need estimate" },
    { "label": "60%", "value": 60 },
    { "label": "Q3-2015", "value": "Q3-2015" },
    { "label": "12", "value": 12 },
    { "label": "7/31/2015", "value": "2015-07-31" },
    { "label": "Fred Williamson", "value": "005R0000000Hv5rIAC" },
    { "label": "+", "value": null } ]
  }]
}
```

---

**Examples**

Run Reports Synchronously or Asynchronously

```
... "groupingsAcross": {
  "groupings": [
...
  ]
},
"groupingsDown": {
  "groupings": [
...
  ]
},
"hasDetailRows": true,
"reportExtendedMetadata": {
  "aggregateColumnInfo": {
    "s!AMOUNT": {
      "acrossGroupingContext": null,
      "dataType": "currency",
      "downGroupingContext": null,
      "label": "Sum of Amount" },
    "a!AMOUNT": {
      "acrossGroupingContext": null,
      "dataType": "currency",
      "downGroupingContext": null,
      "label": "Average Amount" },
    "RowCount": {
... ```
"acrossGroupingContext": null,
"dataType": "int",
"downGroupingContext": null,
"label": "Record Count"},

"detailColumnInfo":
{ "OPPORTUNITY_NAME": { "dataType": "string", "label": "Opportunity Name" },
"AMOUNT": { "dataType": "currency", "label": "Amount"},
"LEAD_SOURCE": { "dataType": "picklist", "label": "Lead Source" },
"NEXT_STEP": { "dataType": "string", "label": "Next Step" },
"PROBABILITY": { "dataType": "percent", "label": "Probability (%)" },

"FISCAL_QUARTER": { "dataType": "string", "label": "Fiscal Period" },

"AGE": { "dataType": "int", "label": "Age" },
"CREATED_DATE": { "dataType": "datetime", "label": "Created Date" },
"FULL_NAME": { "dataType": "string", "label": "Opportunity Owner" },
"ROLLUP_DESCRIPTION": { "dataType": "string", "label": "Owner Role" },

"groupingColumnInfo": {
"ACCOUNT_NAME": { "dataType": "string", "groupingLevel": 0, "label": "Account Name" },
"CLOSE_DATE": { "dataType": "date", "groupingLevel": 0, "label": "Close Date" },
"TYPE": { "dataType": "picklist", "groupingLevel": 1, "label": "Type" }
},

"reportMetadata": {
"aggregates": [ "s!AMOUNT", "a!AMOUNT", "RowCount" ],
"chart": {
"chartType": "Donut",
"groupings": [ "CLOSE_DATE" ],
"hasLegend": true,
"showChartValues": false,
"summaries": [ "s!AMOUNT" ],
"summaryAxisLocations": [ "Y" ],
"title": "Pipeline by Stage and Type" },
"currency": null,
"description": null,
"detailColumns": [ "OPPORTUNITY_NAME", "AMOUNT", "LEAD_SOURCE", "NEXT_STEP", "PROBABILITY", "FISCAL_QUARTER", "AGE", "CREATED_DATE", "FULL_NAME", "ROLLUP_DESCRIPTION" ],

"developerName": "Deals_Closing_This_Quarter",
"division": null,
"folderId": "00lR0000000M8IiIAK",
"groupingsAcross": [{
"dateGranularity": "Month", "name": "CLOSE_DATE", "sortAggregate": null,
"sortOrder": "Asc" }],
"groupingsDown": [ {
"dateGranularity": "None", "name": "ACCOUNT_NAME", "sortAggregate": null,
"sortOrder": "Asc" } ],

"hasDetailRows": true,
Get Report Metadata

Report metadata gives information about a report and its report type. It includes information on fields used in the report for filters, groupings, detailed data, and summaries. You can use the metadata to do several things.

- Find out what fields in the report type you can filter on and by what values.
- Build custom chart visualizations using the metadata information on fields, groupings, detailed data, and summaries.
- Change filters in the report metadata during a report run.

To get report metadata, send a GET request to the Describe resource.

Example

This GET request, `/services/data/v29.0/analytics/reports/00OD000001ZbP7MAK/describe`, to the Describe resource returns metadata for a matrix report. This includes a bucket field, groupings, summaries, and a custom summary formula.
[  
  "label": "Opportunity Information",
  "columns": {  
    "CREATED": {  
      "filterValues": [],
      "label": "Created By",
      "dataType": "string",
      "filterable": true
    },
    ...
    "TYPE": {  
      "filterValues": [  
        {  
          "name": "Add-On Business",
          "label": "Add-On Business"
        },
        {  
          "name": "New Business",
          "label": "New Business"
        },
        {  
          "name": "Services",
          "label": "Services"
        }
      ],
      "label": "Type",
      "dataType": "picklist",
      "filterable": true
    },
    ...
  },
  "reportExtendedMetadata": {  
    "detailColumnInfo": {  
      "OPPORTUNITY_NAME": {  
        "label": "Opportunity Name",
        "dataType": "string"
      },
      "PROBABILITY": {  
        "label": "Probability (%)",
        "dataType": "percent"
      },
      "EXP_AMOUNT": {  
        "label": "Expected Revenue",
        "dataType": "currency"
      },
      "NEXT_STEP": {  
        "label": "Next Step",
        "dataType": "string"
      },
      "BucketField_34840671": {  
        "label": "Industry",
        "dataType": "string"
      }
    }
  }
]
```json
{
    "aggregateColumnInfo": {
        "RowCount": {
            "label": "Record Count",
            "dataType": "int",
            "downGroupingContext": null,
            "acrossGroupingContext": null
        },
        "FORMULA1": {
            "label": "formula1",
            "dataType": "double",
            "downGroupingContext": "ALL_SUMMARY_LEVELS",
            "acrossGroupingContext": "ALL_SUMMARY_LEVELS"
        },
        "s!EXP_AMOUNT": {
            "label": "Sum of Expected Revenue",
            "dataType": "currency",
            "downGroupingContext": null,
            "acrossGroupingContext": null
        }
    },
    "groupingColumnInfo": {
        "CLOSE_DATE": {
            "label": "Close Date",
            "dataType": "date",
            "groupingLevel": 1
        },
        "STAGE_NAME": {
            "label": "Stage",
            "dataType": "picklist",
            "groupingLevel": 0
        },
        "ACCOUNT_NAME": {
            "label": "Account Name",
            "dataType": "string",
            "groupingLevel": 0
        },
        "ACCOUNT_LAST_ACTIVITY": {
            "label": "Account: Last Activity",
            "dataType": "date",
            "groupingLevel": 1
        }
    },
    "reportMetadata": {
        "name": "Stuck Opportunities",
        "id": "00OD0000001ZbP7MAK",
        "currency": null,
        "developerName": "StuckOpportunities",
        "groupingsDown": [
            {
                "name": "ACCOUNT_NAME",
                "sortOrder": "Asc",
                "dateGranularity": "None"
            }
        ]
    }
}
```


},


,


"groupingsAcross": [


,


,


"name": "ACCOUNT_LAST_ACTIVITY",
"sortOrder": "Asc",
"dateGranularity": "Week"


}

},

"reportType": {


, "label": "Opportunities"


,"aggregates": [


"s!EXP_AMOUNT",
"FORMULA1",
"RowCount"


,"reportFormat": "MATRIX",
"reportBooleanFilter": null,
"reportFilters": [


,"detailColumns": [


"OPPORTUNITY_NAME",
"PROBABILITY",
"EXP_AMOUNT",
"NEXT_STEP",
"BucketField_34840671"


]
Get a List of Report Types

Return a list of analytics notifications using a GET request.

Use a GET request on the Report Type List resource to return a list of report types.

**Example Usage**

`/services/data/v39.0/analytics/reportTypes`

**Example Response Body**

```json
[
  {
    "label": "Accounts & Contacts",
    "reportTypes": [
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountList",
        "label": "Accounts",
        "type": "AccountList"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/ContactList",
        "label": "Contacts & Accounts",
        "type": "ContactList"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountPartner",
        "label": "Accounts with Partners",
        "type": "AccountPartner"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountTeam",
        "label": "Account with Account Teams",
        "type": "AccountTeam"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountContactRole",
        "label": "Accounts with Contact Roles",
        "type": "AccountContactRole"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountAsset",
        "label": "Accounts with Assets",
        "type": "AccountAsset"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/ContactAsset",
        "label": "Contacts with Assets",
        "type": "ContactAsset"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/AccountAuditHistory",
        "label": "Account History",
        "type": "AccountAuditHistory"
      },
      {
        "describeUrl": "/services/data/v39.0/analytics/reportTypes/ContactAuditHistory",
        "label": "Contact History"
      }
    ]
  }
]`
"type": "ContactAuditHistory"
],
"label": "Opportunities",
"reportTypes": [
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/Opportunity",
    "label": "Opportunities",
    "type": "Opportunity"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityProduct",
    "label": "Opportunities with Products",
    "type": "OpportunityProduct"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityContact",
    "label": "Opportunities with Contact Roles",
    "type": "OpportunityContact"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityPartner",
    "label": "Opportunities with Partners",
    "type": "OpportunityPartner"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityCompetitor",
    "label": "Opportunities with Competitors",
    "type": "OpportunityCompetitor"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityHistory",
    "label": "Opportunity History",
    "type": "OpportunityHistory"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityFieldAuditHistory",
    "label": "Opportunity Field History",
    "type": "OpportunityFieldAuditHistory"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityTrend",
    "label": "Opportunity Trends",
    "type": "OpportunityTrend"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityContactProduct",
    "label": "Opportunities with Contact Roles and Products",
    "type": "OpportunityContactProduct"
]
},
"label": "Customer Support Reports",
"reportTypes": [
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/CaseList",
    "label": "Cases",
    "type": "CaseList"
  },
  {
    "describeUrl": "/services/data/v39.0/analytics/reportTypes/CaseHistory",
    "label": "Case Lifecycle",
    "type": "CaseHistory"
{"label": "Leads",
"reportTypes": [
{
"describeUrl": "/services/data/v39.0/analytics/reportTypes/LeadList",
"label": "Leads",
"type": "LeadList"
},
{
"describeUrl": "/services/data/v39.0/analytics/reportTypes/OpportunityLead",
"label": "Leads with converted lead information",
"type": "OpportunityLead"
},
{
"describeUrl": "/services/data/v39.0/analytics/reportTypes/LeadAuditHistory",
"label": "Lead History",
"type": "LeadAuditHistory"
}]
},

{"label": "Activities",
"reportTypes": [
{
"describeUrl": "/services/data/v39.0/analytics/reportTypes/Activity",
"label": "Tasks and Events",
"type": "Activity"
},
{
"describeUrl": "/services/data/v39.0/analytics/reportTypes/EventAttendee",
"label": "Events with Invitees",
"type": "EventAttendee"
}]}
"label" : "Contracts and Orders",
"reportTypes" : [ { "describeUrl" : "/services/data/v39.0/analytics/reportTypes/ContractList",
"label" : "Contracts",
"type" : "ContractList"
}, { "describeUrl" : "/services/data/v39.0/analytics/reportTypes/ContractAuditHistory",
"label" : "Contract History",
"type" : "ContractAuditHistory"
}, { "describeUrl" : "/services/data/v39.0/analytics/reportTypes/ContractOrder",
"label" : "Contracts with Orders",
"type" : "ContractOrder"
}, { "describeUrl" : "/services/data/v39.0/analytics/reportTypes/ContractOrderItem",
"label" : "Contracts with Orders and Products",
"type" : "ContractOrderItem" ] } ]

Examples: Get a List of Report Types

Examples: Get a List of Report Types
"type": "ContractOrderItem",
}, {
  "describeUrl": "/services/data/v39.0/analytics/reportTypes/ContractContactRole",
  "label": "Contracts with Contact Roles",
  "type": "ContractContactRole"
}, {
  "describeUrl": "/services/data/v39.0/analytics/reportTypes/OrderList",
  "label": "Orders",
  "type": "OrderList"
}, {
  "describeUrl": "/services/data/v39.0/analytics/reportTypes/OrderItemList",
  "label": "Orders with Products",
  "type": "OrderItemList"
}, {
  "describeUrl": "/services/data/v39.0/analytics/reportTypes/OrderAuditHistory",
  "label": "Order History",
  "type": "OrderAuditHistory"
}
], {
  "label": "Price Books, Products and Assets",
  "reportTypes": [
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/ProductList",
      "label": "Products",
      "type": "ProductList"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/ProductOpportunity",
      "label": "Products with Opportunities",
      "type": "ProductOpportunity"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/PricebookProduct",
      "label": "Price Books with Products",
      "type": "PricebookProduct"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/ProductAsset",
      "label": "Products with Assets",
      "type": "ProductAsset"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/AssetWithProduct",
      "label": "Assets",
      "type": "AssetWithProduct"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/AssetCase",
      "label": "Assets with Cases",
      "type": "AssetCase"
    }]
}, {
  "label": "Administrative Reports",
  "reportTypes": [
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/User",
      "label": "Users",
      "type": "User"
    },
    {
      "describeUrl": "/services/data/v39.0/analytics/reportTypes/ReportList",
      "label": "Reports",
      "type": "ReportList"
Download Formatted Excel Reports Using the Reports REST API

You can use the Reports REST API to request reports in printer-friendly Excel format.

To execute a report and obtain the results, the Salesforce Lightning Report Builder issues a REST request to the Analytics API. The API is a POST to the endpoint /services/data/vXX.x/analytics/reports/<reportId>.

After the report is created, use a GET request to obtain the results. By default, results are returned in JSON format, which is rendered by the Report Run page. This format is specified in the Accept header information.

If you are using Workbench, click Headers in the API Explorer to view and modify the current Accept header. (For more on Workbench, see Using Workbench.)

Request Excel Output

To request Excel instead of JSON format, change the Accept value in the request header to application/vnd.openxmlformats-officedocument.spreadsheetml.sheet.

Now when you execute a GET request, the Excel file is created. The raw response includes the Excel filename, as shown in bold in the following example. You can add code to your application to download the file from the response stream.

Raw Response
HTTP/1.1 200 OK
List Asynchronous Runs of a Report

You can get as many as 2000 instances of a report for which you requested asynchronous runs by sending a GET request to the Instances List resource. The instance list is sorted by the date when the run was requested. Report results are stored for a rolling 24-hour period. During this time, based on your user access level, you can access results for each instance of the report that was run.

Example

A GET request, `/services/data/v29.0/analytics/reports/00OD0000001ZbP7MAK/instances`, to the Instances List resource returns two instances of the report that was run asynchronously. Each URL handle stores report results for that instance.

```
[
  {
    "id": "0LGD000000000IyOAI",
    "requestDate": "2013-08-12T19:06:47Z",
    "status": "Success",
    "url": "/services/data/v29.0/analytics/reports/00OD0000001ZbP7MAK/instances/0LGD000000000IyOAI",
    "ownerId": "005D0000001KvxRIAS",
    "queryable": false,
    "hasDetailRows": false,
    "completionDate": "2013-08-12T19:06:48Z"
  },
  {
    "id": "0LGD000000000IjOAI",
    "requestDate": "2013-08-12T18:39:06Z",
    "status": "Success",
    "url": "/services/data/v29.0/analytics/reports/00OD0000001ZbP7MAK/instances/0LGD000000000IjOAI",
    "ownerId": "005D0000001KvxRIAS",
    "queryable": false,
    "hasDetailRows": false,
    "completionDate": "2013-08-12T18:39:07Z"
  }
]```
Filter Reports on Demand

To get specific results on the fly, filter reports through the API. Filter changes made through the API does not affect the source report definition. Using the API, you can filter with up to 20 custom field filters and add filter logic (such as AND, OR). But standard filters (such as range), filtering by row limit, and cross filters are unavailable.

Before you filter a report, it’s helpful to check these properties in the metadata that tell you if a field can be filtered, the values and criteria you can filter by, and filters that already exist in the report.

- filterable
- filterValues
- dataTypeFilterOperatorMap
- reportFilters

You can filter reports during synchronous or asynchronous report runs by making a POST request to the Execute Sync or Execute Async resource.

Example

In a POST request, an accounts report is filtered synchronously by these passing filters with filter logic in the metadata to the Execute Sync resource.

1. Account Name not equal to Data Mart
2. Account Owner not equal to Admin User
3. Annual Revenue greater than "100,000"
4. Industry not equal to Manufacturing,Recreation

Filter logic: (1 OR 4) AND 2 AND 3.

```json
{
    "reportMetadata": {
        "name": "FilterAcctsReport",
        "id": "00OD0000001cw27MAA",
        "reportFormat": "SUMMARY",
        "reportBooleanFilter": "(1 OR 4) AND 2 AND 3",
        "reportFilters": [
            {
                "value": "DataMart",
                "operator": "notEqual",
                "column": "ACCOUNT.NAME"
            },
            {
                "value": "AdminUser",
                "operator": "notEqual",
                "column": "USERS.NAME"
            }
        ]
    }
}
```
In response to the POST request, the report returns data that meets the given criteria.

```json
{
  "hasDetailRows": false,
```
"attributes": {  "describeUrl": "/services/data/v29.0/analytics/reports/00OD0000001cw27MAA/describe",  "instancesUrl": "/services/data/v29.0/analytics/reports/00OD0000001cw27MAA/instances",  "type": "Report",  "reportName": "Filter Accts Report",  "reportId": "00OD0000001cw27MAA" },  "factMap": {  "1_0!T": {  "aggregates": [  {  "value": 56000000,  "label": "56,000,000"  },  {  "value": 1,  "label": "1"  }  ]  },  "7_1!T": {  "aggregates": [  {  "value": 24000000,  "label": "24,000,000"  },  {  "value": 1,  "label": "1"  }  ]  }  },  ...  "allData": true,  "reportMetadata": {  "name": "Filter Accts Report",  "id": "00OD0000001cw27MAA",  "reportFormat": "SUMMARY",  "reportBooleanFilter": "(1 OR 4) AND 2 AND 3",  "reportFilters": [  {  "value": "Data Mart",  "operator": "notEqual",  "column": "ACCOUNT.NAME"  },  {  "value": "Admin User",  "operator": "notEqual",  "column": "USERS.NAME"  },  {  "value": "\"100,000\"",  "operator": "notEqual",  "column": "ACCOUNT.NAME"  }  ]  }  }
SEE ALSO:

- Execute Sync

List Recently Viewed Reports

Get up to 200 of the reports you most recently viewed in Salesforce by sending a GET request to the Report List resource.

Each report listing in the response has resource URLs to get metadata and run a report asynchronously or synchronously.

For a more extensive reports list, query the Report object using a SOQL query in a Salesforce API such as SOAP API or REST API. This SOQL query, for example, returns all reports that are in matrix format:

```sql
SELECT Description, Format, LastRunDate FROM Report WHERE Format = 'MATRIX' ORDER BY Id ASC NULLS FIRST
```

Example

This GET request `/services/data/v35.0/analytics/reports` to the Report List resource returns a list of 5 recently viewed reports.

```json
[
  {
    "describeUrl" : "/services/data/v35.0/analytics/reports/00OR0000000K2OmMAK/describe",
    "id" : "00OR0000000K2OmMAK",
    "instancesUrl" : "/services/data/v35.0/analytics/reports/00OR0000000K2OmMAK/instances",
    "name" : "Pipeline By Industry",
    "url" : "/services/data/v35.0/analytics/reports/00OR0000000K2OmMAK"
  },
  {
    "describeUrl" : "/services/data/v35.0/analytics/reports/00OR0000000OFXeMAO/describe",
    "id" : "00OR0000000OFXeMAO",
    "instancesUrl" : "/services/data/v35.0/analytics/reports/00OR0000000OFXeMAO/instances",
    "name" : "My Open Pipeline",
    "url" : "/services/data/v35.0/analytics/reports/00OR0000000OFXeMAO"
  }
]
SEE ALSO:

Report List

## Decode the Fact Map

Depending on how you run a report, the fact map in the report results can contain values for only summary or both summary and detailed data. The fact map values are expressed as keys, which you can programmatically use to visualize the report data. Fact map keys provide an index into each section of a fact map, from which you can access summary and detailed data.

The pattern for the fact map keys varies by report format as shown in this table.

<table>
<thead>
<tr>
<th>Report format</th>
<th>Fact map key pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tabular</td>
<td>T!T: The grand total of a report. Both record data values and the grand total are represented by this key.</td>
</tr>
<tr>
<td>Summary</td>
<td>&lt;First level row grouping_second level row grouping_third level row grouping&gt;!T: T refers to the row grand total.</td>
</tr>
<tr>
<td>Matrix</td>
<td>&lt;First level row grouping_second level row grouping&gt;!&lt;First level column grouping_second level column grouping&gt;</td>
</tr>
</tbody>
</table>

Each item in a row or column grouping is numbered starting with 0. Here are some examples of fact map keys:
## Decode the Fact Map

### Tabular Report Fact Map

Here’s an example of an opportunities report in tabular format. Since tabular reports don’t have groupings, all of the record level data and summaries are expressed by the $T!T$ key, which refers to the grand total.

<table>
<thead>
<tr>
<th>Opportunity Name</th>
<th>Close Date</th>
<th>Probability (%)</th>
<th>Next Step</th>
<th>Expected Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Mart - 44K</td>
<td>1/1/2013</td>
<td>60%</td>
<td>great win for us</td>
<td>$16,200.00</td>
</tr>
<tr>
<td>Data Mart - 10K</td>
<td>1/17/2013</td>
<td>50%</td>
<td>great win for us</td>
<td>$12,600.00</td>
</tr>
<tr>
<td>Data Mart - 2K</td>
<td>2/1/2013</td>
<td>50%</td>
<td>great win for us</td>
<td>$12,600.00</td>
</tr>
<tr>
<td>Data Mart - 41K</td>
<td>2/1/2013</td>
<td>50%</td>
<td>great win for us</td>
<td>$6,300.00</td>
</tr>
<tr>
<td>Data Mart - 19K</td>
<td>2/17/2013</td>
<td>50%</td>
<td>great win for us</td>
<td>$13,600.00</td>
</tr>
<tr>
<td>Data Mart - 31K</td>
<td>3/3/2013</td>
<td>50%</td>
<td>great win for us</td>
<td>$11,700.00</td>
</tr>
<tr>
<td>Data Mart - 2K</td>
<td>3/19/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$9,760.00</td>
</tr>
<tr>
<td>Data Mart - 2K</td>
<td>3/25/2013</td>
<td>great win for us</td>
<td>$7,200.00</td>
<td></td>
</tr>
<tr>
<td>Data Mart - 1K</td>
<td>3/31/2013</td>
<td>great win for us</td>
<td>$8,300.00</td>
<td></td>
</tr>
<tr>
<td>Data Mart - 21K</td>
<td>4/16/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>Data Mart - 660</td>
<td>5/12/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$8,250.00</td>
</tr>
<tr>
<td>Data Mart - 2K</td>
<td>5/12/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$5,250.00</td>
</tr>
<tr>
<td>Data Mart - 3K</td>
<td>5/12/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$2,250.00</td>
</tr>
<tr>
<td>Data Mart - 9K</td>
<td>5/16/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$6,750.00</td>
</tr>
<tr>
<td>Data Mart - 11K</td>
<td>5/31/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$10,500.00</td>
</tr>
<tr>
<td>Data Mart - 7K</td>
<td>6/1/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$12,000.00</td>
</tr>
<tr>
<td>Data Mart - 50K</td>
<td>7/1/2013</td>
<td>75%</td>
<td>great win for us</td>
<td>$12,000.00</td>
</tr>
</tbody>
</table>

**Grand Totals (17 records)**

| avg 82%          | $169,160.00 |

### Summary Report Fact Map

This example shows how the values in a summary report are represented in the fact map.
**Fact Map Key** | **Description**
--- | ---
0 ! T | Summary for the value of opportunities in the Prospecting stage.
1 _0! T | Summary of the probabilities for the Manufacturing opportunities in the Needs Analysis stage.

### Matrix Report Fact Map

Here’s an example of some fact map keys for data in a matrix opportunities report with a couple of row and column groupings.

**Fact Map Key** | **Description**
--- | ---
0 ! 0 | Total opportunity amount in the Prospecting stage in Q4 2010.
0 _0 ! 0 _0 | Total opportunity amount in the Prospecting stage in the Manufacturing sector in October 2010.
2 _1 ! 1 _1 | Total value of opportunities in the Value Proposition stage in the Technology sector in February 2011.
T ! T | Grand total summary for the report.

SEE ALSO:
- Execute Sync
- Execute Async
Get Report Data without Saving Changes to or Creating a Report

Run a report without creating a report or changing an existing one by making a POST request to the `query` resource. Get report data without filling up your org with unnecessary reports.

Example

Get report data using the `query` resource.

```
/services/data/v37.0/analytics/reports/query
```

Include report criteria as `reportMetadata` in the POST request body. This POST request gets data about Opportunities:

```
{
    "reportMetadata" : {
        "aggregates" : [ "RowCount" ],
        "chart" : null,
        "crossFilters" : [ ],
        "currency" : null,
        "description" : null,
        "developerName" : "OpportunityReport",
        "division" : null,
        "folderId" : "00DD000000086ujMAA",
        "groupingsAcross" : [ ],
        "groupingsDown" : [ ],
        "hasDetailRows" : true,
        "hasRecordCount" : true,
        "historicalSnapshotDates" : [ ],
        "id" : "00OD0000001leVCMAY",
        "name" : "Matrix",
        "reportBooleanFilter" : null,
        "reportFilters" : [ ],
        "reportFormat" : "MATRIX",
        "reportType" : {
            "label" : "Opportunities",
            "type" : "Opportunity"
        },
        "scope" : "organization",
        "showGrandTotal" : true,
        "showSubtotals" : true,
        "sortBy" : [ ],
        "standardDateFilter" : {
            "column" : "CLOSE_DATE",
            "durationValue" : "CUSTOM",
            "endDate" : null,
            "startDate" : null
        },
        "standardFilters" : [ {
            "name" : "open",
            "value" : "all"
        } ],
```
The response to the POST request returns report data, but doesn’t create or save a report.

```json
{
    "attributes" : {
        "describeUrl" : "/services/data/v37.0/analytics/reports/null/describe",
        "instancesUrl" : "/services/data/v37.0/analytics/reports/null/instances",
        "reportId" : null,
        "reportName" : "Matrix",
        "type" : "Report"
    },
    "allData" : true,
    "factMap" : {
        "T!T" : {
            "aggregates" : [ {
                "label" : "9",
                "value" : 9
            } ],
            "rows" : [ {
                "dataCells" : [ {
                    "label" : "salesforce.com - 5000 Widgets",
                    "value" : "006D000000CzmqYIAR"
                }, {
                    "label" : "New Business",
                    "value" : "New Business"
                }, {
                    "label" : "Advertisement",
                    "value" : "Advertisement"
                }, {
                    "label" : "$500,000.00",
                    "value" : {
                        "amount" : 500000,
                        "currency" : null
                    }
                }, {
                    "label" : "9/19/2013",
                    "value" : "2013-09-19"
                }, {
                    "label" : "Closed!",
                    "value" : "Closed!"
                }, {
                    "label" : "Closed Won",
                    "value" : "Closed Won"
                }, {
                    "label" : "100%",
                    "value" : 100
                }, {
                    "label" : "Q2-2007",
                    "value" : "Q2-2007"
                }
            }
        }
    }
}
```
"label" : "0",
"value" : 0
],
],
"label" : "1/4/2016",
"value" : "2016-01-04"
],
"label" : "Fred Williamson",
"value" : "005D0000001bV42IAE"
],
"label" : "-",
"value" : null
],
"label" : "Global Media",
"value" : "001D000000KtTTqIAN"
}
]
],
"dataCells" : [ {
"label" : "salesforce.com - 500 Widgets",
"value" : "006D000000CzmqZIAR"
},
"label" : "Existing Business",
"value" : "Existing Business"
},
"label" : "Advertisement",
"value" : "Advertisement"
],
"label" : "$50,000.00",
"value" : {
"amount" : 50000,
"currency" : null
}
],
"label" : "9/19/2013",
"value" : "2013-09-19"
],
"label" : "Closed!",
"value" : "Closed!"
],
"label" : "Closed Won",
"value" : "Closed Won"
},
"label" : "100%",
"value" : 100
},
"label" : "Q2-2007",
"value" : "Q2-2007"
],
"label" : "0",
"value" : 0
],
"label" : "1/4/2016",
"value" : "2016-01-04"
],
"label" : "Fred Williamson",
"value" : "005D0000001bV42IAE"}
"value" : "005D0000001bV42IAE"
}, {  
"label" : "-",
"value" : null
}, {  
"label" : "Global Media",
"value" : "001D000000KtTTqIAN"
} ]
],
"dataCells" : [ {  
"label" : "Acme - 1,200 Widgets",
"value" : "006D000000CzmqbIAB"
}, {  
"label" : "Existing Business",
"value" : "Existing Business"
}, {  
"label" : "Trade Show",
"value" : "Trade Show"
}, {  
"label" : "$140,000.00",
"value" : {  
"amount" : 140000,
"currency" : null
}
}, {  
"label" : "10/22/2013",
"value" : "2013-10-22"
}, {  
"label" : "Need estimate",
"value" : "Need estimate"
}, {  
"label" : "Value Proposition",
"value" : "Value Proposition"
}, {  
"label" : "50%",
"value" : 50
}, {  
"label" : "Q2-2007",
"value" : "Q2-2007"
}, {  
"label" : "134",
"value" : 134
}, {  
"label" : "1/4/2016",
"value" : "2016-01-04"
}, {  
"label" : "Fred Williamson",
"value" : "005D0000001bV42IAE"
}, {  
"label" : "-",
"value" : null
}, {  
"label" : "Acme",
"value" : "001D000000KtTrIAN"
}]
}
<table>
<thead>
<tr>
<th>Label</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>salesforce.com - 1,000 Widgets</td>
<td>006D000000CzmqeIAB</td>
</tr>
<tr>
<td>New Business</td>
<td>New Business</td>
</tr>
<tr>
<td>Advertisement</td>
<td>Advertisement</td>
</tr>
<tr>
<td>$100,000.00</td>
<td>{</td>
</tr>
<tr>
<td>amount: 100000</td>
<td>currency: null</td>
</tr>
<tr>
<td>10/22/2013</td>
<td>2013-10-22</td>
</tr>
<tr>
<td>Close the deal!</td>
<td>Close the deal!</td>
</tr>
<tr>
<td>Negotiation/Review</td>
<td>Negotiation/Review</td>
</tr>
<tr>
<td>90%</td>
<td>90</td>
</tr>
<tr>
<td>Q2-2007</td>
<td>Q2-2007</td>
</tr>
<tr>
<td>134</td>
<td>134</td>
</tr>
<tr>
<td>1/4/2016</td>
<td>2016-01-04</td>
</tr>
<tr>
<td>Fred Williamson</td>
<td>005D0000001bV42IAE</td>
</tr>
<tr>
<td>-</td>
<td>null</td>
</tr>
<tr>
<td>salesforce.com</td>
<td>001D000000KtTTsIAN</td>
</tr>
<tr>
<td>Global Media - 400 Widgets</td>
<td>006D000000CzmqqIAB</td>
</tr>
<tr>
<td>New Business</td>
<td>New Business</td>
</tr>
<tr>
<td>label</td>
<td>value</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>&quot;New Business&quot;</td>
<td>&quot;New Business&quot;</td>
</tr>
<tr>
<td>&quot;Partner&quot;</td>
<td>&quot;Partner&quot;</td>
</tr>
<tr>
<td>&quot;$40,000.00&quot;</td>
<td>{</td>
</tr>
<tr>
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<td>&quot;amount&quot;: 40000,</td>
</tr>
<tr>
<td></td>
<td>&quot;currency&quot;: null</td>
</tr>
<tr>
<td>&quot;2013-11-20&quot;</td>
<td>&quot;2013-11-20&quot;</td>
</tr>
<tr>
<td>&quot;-&quot;</td>
<td>null</td>
</tr>
<tr>
<td>&quot;Id. Decision Makers&quot;</td>
<td>&quot;Id. Decision Makers&quot;</td>
</tr>
<tr>
<td>&quot;60%&quot;</td>
<td>60</td>
</tr>
<tr>
<td>&quot;Q3-2007&quot;</td>
<td>&quot;Q3-2007&quot;</td>
</tr>
<tr>
<td>&quot;134&quot;</td>
<td>134</td>
</tr>
<tr>
<td>&quot;1/4/2016&quot;</td>
<td>&quot;2016-01-04&quot;</td>
</tr>
<tr>
<td>&quot;Fred Williamson&quot;</td>
<td>&quot;005D0000001bV42IAE&quot;</td>
</tr>
<tr>
<td>&quot;-&quot;</td>
<td>null</td>
</tr>
<tr>
<td>&quot;Global Media&quot;</td>
<td>&quot;001D000000KtTTqIAN&quot;</td>
</tr>
<tr>
<td>&quot;Acme - 600 Widgets&quot;</td>
<td>&quot;006D000000CzmqcIAB&quot;</td>
</tr>
<tr>
<td>&quot;New Business&quot;</td>
<td>&quot;New Business&quot;</td>
</tr>
<tr>
<td>&quot;Trade Show&quot;</td>
<td>&quot;Trade Show&quot;</td>
</tr>
<tr>
<td>&quot;$70,000.00&quot;</td>
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</tr>
<tr>
<td></td>
<td>&quot;currency&quot;: null</td>
</tr>
</tbody>
</table>
"amount" : 70000,
"currency" : null
],
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"value" : "2013-12-18"
],
[
"label" : "Need estimate",
"value" : "Need estimate"
],
[
"label" : "Needs Analysis",
"value" : "Needs Analysis"
],
[
"label" : "20%",
"value" : 20
],
[
"label" : "Q3-2007",
"value" : "Q3-2007"
],
[
"label" : "134",
"value" : 134
],
[
"label" : "1/4/2016",
"value" : "2016-01-04"
],
[
"label" : "Fred Williamson",
"value" : "005D0000001bV42IAE"
],
[
"label" : "-",
"value" : null
],
[
"label" : "Acme",
"value" : "001D000000KtTrIAN"
]
],
[
"dataCells" : [
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"value" : "006D000000CzmqfIAB"
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[
"label" : "Existing Business",
"value" : "Existing Business"
],
[
"label" : "Partner",
"value" : "Partner"
],
[
"label" : "$20,000.00",
"value" : 
{
"amount" : 20000,
"currency" : null
}
],
[
"label" : "12/20/2013",
"value" : "2013-12-20"
]
"label": "Meet at Widget Conference",
"value": "Meet at Widget Conference"
],

[ "label": "Value Proposition",
  "value": "Value Proposition"
],

[ "label": "50%",
  "value": 50
],

[ "label": "Q3-2007",
  "value": "Q3-2007"
],

[ "label": "134",
  "value": 134
],

[ "label": "1/4/2016",
  "value": "2016-01-04"
],

[ "label": "Fred Williamson",
  "value": "005D0000001bV42IAE"
],

[ "label": "-",
  "value": null
],

[ "label": "salesforce.com",
  "value": "001D000000KtTTsIAN"
]
]

[ "dataCells": [ 
  { "label": "Acme - 200 Widgets",
    "value": "006D000000CzmqdIAB"
  },
  { "label": "Existing Business",
    "value": "Existing Business"
  },
  { "label": "Word of mouth",
    "value": "Word of mouth"
  },
  { "label": "$20,000.00",
    "value": { 
      "amount": 20000,
      "currency": null
    }
  },
  { "label": "2/20/2014",
    "value": "2014-02-20"
  },
  { "label": "Need estimate",
    "value": "Need estimate"
  },
  { "label": "Prospecting",
    "value": "Prospecting"
  },
  { "label": "10%",
    "value": 10
  }
]
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},
"label" : "Q4-2007",
"value" : "Q4-2007"
},
"label" : "134",
"value" : 134
},
"label" : "1/4/2016",
"value" : "2016-01-04"
},
"label" : "Fred Williamson",
"value" : "005D0000001bV42IAE"
},
"label" : "-",
"value" : null
},
"label" : "Acme",
"value" : "001D000000KtTTrIAN"
]
]
],
"dataCells" : [ {
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"value" : "006D000000Czq0uIAB"
},
"label" : "-",
"value" : null
},
"label" : "-",
"value" : null
},
"label" : "2/26/2016",
"value" : "2016-02-26"
},
"label" : "-",
"value" : null
},
"label" : "Id. Decision Makers",
"value" : "Id. Decision Makers"
},
"label" : "60%",
"value" : 60
},
"label" : "Q1-2016",
"value" : "Q1-2016"
},
"label" : "85",
"value" : 85
},
"label" : "2/22/2016",
"value" : "2016-02-22"
Get Report Data without Saving Changes to or Creating a Report

Examples
Save Changes to Reports

Save changes to a report by sending a PATCH request to the Report resource.

⚠️ **Note:** Saving a report deletes any running async report jobs because they will be obsolete.

**Example**

For report 00OD0000001cxIE, you want to change the report name to “myUpdatedReport” and change the folder that contains the report. You save the changes to the report.

This PATCH request /services/data/v34.0/analytics/reports/00OD0000001cxIE to the Report resource updates and saves the report.

```
{
    "reportMetadata" : {
        "name":"myUpdatedReport",
        "folderId":"00DD00000007enH"
    }
}
```

The response to the PATCH request returns the following details about the updated, saved report.

```
{
    "reportExtendedMetadata" : {
        ... 
    },
    "reportMetadata" : {
        "aggregates" : [ "RowCount" ],
        "chart" : null,
```

71
"currency" : null,
"description" : null,
"detailColumns" : [ 
  "USERS.NAME",
  "ACCOUNT.NAME",
  "TYPE",
  "DUE_DATE",
  "LAST_UPDATE",
  "ADDRESS1_STATE" ],
"developerName" : "myreport",
"division" : null,
"folderId" : "00DD00000007enHMAQ",
"groupingsAcross" : [ ],
"groupingsDown" : [ ],
"hasDetailRows" : true,
"hasRecordCount" : true,
"historicalSnapshotDates" : [ ],
"id" : "00OD0000001cxIEMAY",
"name" : "myUpdatedReport",
"reportBooleanFilter" : null,
"reportFilters" : [ ],
"reportFormat" : "TABULAR",
"reportType" : { 
  "label" : "Accounts",
  "type" : "AccountList" },
"scope" : "user",
"showGrandTotal" : true,
"showSubtotals" : true,
"sortBy" : [ ],
"standardDateFilter" : { 
  "column" : "CREATED_DATE",
  "durationValue" : "CUSTOM",
  "endDate" : null,
  "startDate" : null },
"standardFilters" : null },
"reportTypeMetadata" : { 
  ... 
} }

Clone Reports

Creates a copy of a custom, standard, or public report by sending a POST request to the Report List resource.

Example

You want to clone report 00OD0000001cxIE and name the cloned report as "myNewReport."
This POST request /services/data/v34.0/analytics/reports?cloneId=00OD0000001CxIE to the Report List resource clones the report.

```json
{  "reportMetadata" :  
    {"name":"myNewReport"}
}
```

The response to the POST request returns the following details about the cloned report.

```json
{
    "reportExtendedMetadata" : {
        ...
    },
    "reportMetadata" : {
        "aggregates" : [ "RowCount" ],
        "chart" : null,
        "currency" : null,
        "description" : null,
        "detailColumns" : [
            "USERS.NAME",
            "ACCOUNT.NAME",
            "TYPE",
            "DUE_DATE",
            "LAST_UPDATE",
            "ADDRESS1_STATE" ],
        "developerName" : "myreport2",
        "division" : null,
        "folderId" : "005D0000001UlSzIAV",
        "groupingsAcross" : [ ],
        "groupingsDown" : [ ],
        "hasDetailRows" : true,
        "hasRecordCount" : true,
        "historicalSnapshotDates" : [ ],
        "id" : "00OD0000001jabSMAQ",
        "name" : "myNewReport",
        "reportBooleanFilter" : null,
        "reportFilters" : [ ],
        "reportFormat" : "TABULAR",
        "reportType" : {
            "label" : "Accounts",
            "type" : "AccountList" },
        "scope" : "user",
        "showGrandTotal" : true,
        "showSubtotals" : true,
        "sortBy" : [ ],
        "standardDateFilter" : {
            "column" : "CREATED_DATE",
            "durationValue" : "CUSTOM",
            "endDate" : null,
            "startDate" : null },
        "standardFilters" : null },
    "reportTypeMetadata" : {
        ...
    }
}
```
Delete Reports

Delete a report by sending a DELETE request to the Report resource. Deleted reports are moved to the Recycle Bin.

Note: Deleting a report also cancels any running async report jobs and deletes all scheduled notifications.

Example

This DELETE request /services/data/v34.0/analytics/reports/00OD00000001cxIE to the Report resource deletes the report and returns a 204 HTTP response code with no content in the response body.

Dashboards Examples

Learn how to refresh, create, edit, copy, and delete dashboards.

Get List of Recently Used Dashboards

You can get a list of recently used dashboards by using the Dashboard resource.

Use a GET request on the Dashboard List resource to retrieve a list of recently used dashboards. The list is sorted by the date when the dashboard was last refreshed.

Example Usage

/services/data/v35.0/analytics/dashboards

Example Response Body

In this case, the Dashboard resource returns information for two dashboards. Each URL handle stores the status or results for the dashboard.

[ { "id" : "01ZD00000007QeuMAE", "name" : "Adoption Dashboard", "statusUrl" : "/services/data/v35.0/analytics/dashboards/01ZD00000007QeuMAE/status", "url" : "/services/data/v35.0/analytics/dashboards/01ZD00000007QeuMAE" }, { "id" : "01ZD00000007QevMAE", "name" : "Global Sales Dashboard", "statusUrl" : "/services/data/v35.0/analytics/dashboards/01ZD00000007QevMAE/status", "url" : "/services/data/v35.0/analytics/dashboards/01ZD00000007QevMAE" } ]

SEE ALSO:

Dashboard List

Get Dashboard Results

You can get dashboard metadata, data, and status by sending a GET request to the Dashboard Results resource.

Use a GET request to the Dashboard Results resource to retrieve metadata, data, and status for a dashboard and its components. The results response contains:
- Metadata: information about the dashboard as a whole, including the dashboard ID, name, component metadata, and any dashboard filters.
- Data: underlying report data for each component, filtered by the optional filter parameters. For more information about filtering, see Filter Dashboard Results.
- Status: data and refresh status for each component of the dashboard. The data status can be NODATA, DATA, or ERROR. If an error occurs, the component status will contain additional properties with the error code, message, and severity. The refresh status can be IDLE, if components are finished running, or RUNNING, if components are still being refreshed.

Example Usage

/services/data/v31.0/analytics/dashboards/01ZD00000007S89MAE

Example Response Body

```json
{
  "componentData": [
    {
      "componentId": "01aD0000000a36LIAQ",
      "reportResult": {
        "attributes": null,
        "allData": true,
        "FactMap": {
          "T!T": {
            "aggregates": [
              {
                "label": "USD 67,043,365.50",
                "value": 67043365.5016691837345123291015625
              }
            ],
            "0!T": {
              "aggregates": [
                {
                  "label": "USD 10,083.33",
                  "value": 10083.333333333333939663134515285491943359375
                }
              ],
              "1!T": {
                "aggregates": [
                  {
                    "label": "USD 25,016,768.67",
                    "value": 25016768.67006600648164791455078125
                  }
                ],
                "2!T": {
                  "aggregates": [
                    {
                      "label": "USD 42,016,513.50",
                      "value": 42016513.498269841074943542480406875
                    }
                  ],
                  "groupingsAcross": null,
                  "groupingsDown": {
                    "groupings": [
                      {
                        "groupings": [],
                        "key": "0",
                        "label": "-",
                        "value": null
                      }, {
                        "groupings": [],
                        "key": "1",
                        "label": "-",
                        "value": null
                      }
                    ]
                  }
                }
              }
            }
          }
        }
      }
    }
  ]
}
```
SEE ALSO:
Dashboard Results

Filter Dashboard Results

You can filter dashboard results, status, or refresh requests, by using filter parameters.

Dashboard results are always unfiltered, unless you have specified filter parameters in your request. When requesting a dashboard result, status, or refresh, you can specify up to three optional filter parameters: filter1, filter2 and filter3. These parameters allow you to apply filter options, which can be selected from the filters that are currently defined for the dashboard. Filters can be applied to the following requests:

- A GET request on the Dashboard Results resource: returns data filtered by the specified parameters.
- A PUT request on the Dashboard Results resource: refreshes the data that has been filtered by the specified parameters.
- A GET request on the Dashboard Status resource: returns status for the data that has been filtered by the specified parameters.
Example Usage

A dashboard with one filter ("Country") and two options ("United States" and "Canada") appears like this in the dashboard metadata:

```
{
  "dashboardMetadata" : {
    ...
    "filters" : [ {
      "name" : "Country",
      "options" : [ {
        "id" : "0ICxx0000000001GAA",
        "alias" : "United States",
        "operation" : "equals",
        "value" : "US",
        "startValue" : null,
        "endValue" : null
      }, {
        "id" : "0ICxx0000000002GAA",
        "alias" : "Canada",
        "operation" : "equals",
        "value" : "CA",
        "startValue" : null,
        "endValue" : null
      } ],
      ...
    } ],
    ...
  }
}
```

To retrieve dashboard results with a filter of "Country equals Canada" you could make the following GET request:

```
/services/data/v31.0/analytics/dashboards/01Zxx0000000000000?filter1=0ICxx00000000002GAA
```

SEE ALSO:
- Dashboard Results
- Dashboard Status

Get Dashboard Status

You can get the dashboard status by sending a GET request to the Dashboard Status resource.

Use the Dashboard Status resource to retrieve a status for each component of the dashboard. The components are listed in the order in which they were refreshed. The request returns **IDLE** if a component is not currently being refreshed, and **RUNNING** if a component is currently being refreshed.

Example Usage

To retrieve the status for a dashboard with an ID of 01ZD00000007QevMAE, you could make the following request:

```
/services/data/v31.0/analytics/dashboards/01ZD00000007QevMAE/status
```
Example Response Body

The response contains the status for each component, along with the refresh date and time:

```
{
  "componentStatus" : [ 
    { 
      "componentId" : "01aD0000000J7M7",
      "refreshDate" : "2014-03-10T17:26:07.000+0000",
      "refreshStatus" : "IDLE"
    }, 
    { 
      "componentId" : "01aD0000000J7M9",
      "refreshDate" : "2014-03-10T17:26:08.000+0000",
      "refreshStatus" : "IDLE"
    }, 
    { 
      "componentId" : "01aD0000000J7MB",
      "refreshDate" : "2014-03-10T17:26:09.000+0000",
      "refreshStatus" : "IDLE"
    } ]
}
```

SEE ALSO:
Dashboard Status

Refresh a Dashboard

You can refresh a dashboard by using a PUT Dashboard Results request.

Use a PUT request on the Dashboard Results resource to trigger a refresh of a dashboard. The refresh response returns the URL of the status resource after the refresh is triggered. If filter parameters are included in the PUT request, only the filtered data will be refreshed. For more information on filtering, see Filter Dashboard Results.

**Example Usage**

The following PUT request refreshes the dashboard with the ID of 01ZD00000007S89MAE.

```
/services/data/v31.0/analytics/dashboards/01ZD00000007S89MAE
```

**Example Request Body**

None required.

**Example Response Body**

The response contains the status URL for the refreshed dashboard:

```
{ 
  "statusUrl" : "/services/data/v31.0/analytics/dashboards/01ZD00000007S89MAE/status" 
}
```

SEE ALSO:
Dashboard Results

Save a Dashboard

You can save changes to a dashboard by sending a PATCH request to the Dashboard Results resource.
Use a PATCH request on the Dashboard Results resource to save changes to a dashboard.

**Example Usage**

/services/data/v31.0/analytics/dashboards/01ZD00000007S89MAE

**Example Request Body**

```json
{
    "dashboardMetadata": {
        "name": "Sales Dashboard"
    }
}
```

**Example Response Body**

```json
{
    "componentData": [
        {
            "componentId": "01aD0000000a36LIAQ",
            "reportResult": {
                "attributes": null,
                "allData": true,
                "factMap": {
                    "0!T": {
                        "aggregates": [
                            {
                                "label": "USD 67,043,365.50",
                                "value": 67043365.50166918337345123291015625
                            }
                        ]
                    },
                    "1!T": {
                        "aggregates": [
                            {
                                "label": "USD 25,016,768.67",
                                "value": 25016768.670066006481647491455078125
                            }
                        ]
                    },
                    "2!T": {
                        "aggregates": [
                            {
                                "label": "USD 42,016,513.50",
                                "value": 42016513.49826984107494354248046875
                            }
                        ]
                    }
                },
                "groupingsAcross": null,
                "groupingsDown": {
                    "groupings": [{
                        "groupings": [],
                        "key": "0",
                        "label": "-",
                        "value": null
                    }]
                }
            }
        }
    ],
    "groupingsAcross": null,
    "groupingsDown": {
        "groupings": [{
            "groupings": [],
            "key": "0",
            "label": "-",
            "value": null
        }]
    }
}
```
"groupings" : [ ],
"key" : "1",
"label" : "Existing Business",
"value" : "Existing Business"
},
{
"groupings" : [ ],
"key" : "2",
"label" : "New Business",
"value" : "New Business"
} ]
},
"hasDetailRows" : false,
"reportExtendedMetadata" : {
"aggregateColumnInfo" : {
"s!AMOUNT" : {
"acrossGroupingContext" : null,
"dataType" : "currency",
"downGroupingContext" : null,
"label" : "Sum of Amount"
}
},
"detailColumnInfo" : { },
"groupingColumnInfo" : {
"TYPE" : {
"dataType" : "picklist",
"groupingLevel" : 0,
"label" : "Type"
}
}
},
"reportMetadata" : {
"aggregates" : [ "s!AMOUNT" ],
"chart" : null,
"currency" : "USD",
"description" : null,
"detailColumns" : [ ],
"developerName" : "Simple_Test",
"division" : null,
"folderId" : "00lR0000000M8IiIAK",
"groupingsAcross" : [ ],
"groupingsDown" : [ { 
"dateGranularity" : "None",
"name" : "TYPE",
"sortAggregate" : null,
"sortOrder" : "Asc"
} ]
},
"hasDetailRows" : false,
"hasRecordCount" : true,
"historicalSnapshotDates" : [ ],
"id" : "00OD00000001g2nWMAQ",
"name" : "Simple Test",
"reportBooleanFilter" : null,
"reportFilters" : [ ],
"reportFormat" : "SUMMARY"}
"reportType": {
    "label": "Opportunities",
    "type": "Opportunity"
},
"scope": "organization",
"showGrandTotal": true,
"showSubtotals": true,
"sortBy": [],
"standardDateFilter": {
    "column": "CLOSE_DATE",
    "durationValue": "CUSTOM",
    "endDate": null,
    "startDate": null
},
"standardFilters": [
    { "name": "open", "value": "all" },
    { "name": "probability", "value": ">0" }
]
},
"status": {
    "dataStatus": "DATA",
    "errorCode": null,
    "errorMessage": null,
    "errorSeverity": null,
    "refreshDate": "2014-04-09T00:28:16.000+0000",
    "refreshStatus": "IDLE"
}
},
"dashboardMetadata": {
    "attributes": {
        "dashboardId": "01ZD00000007S89MAE",
        "dashboardName": "Service Dept Dashboard",
        "statusUrl": "/services/data/v31.0/analytics/dashboards/01ZD00000007S89MAE/status",
        "type": "Dashboard"
    },
    "canChangeRunningUser": false,
    "components": [{
        "componentData": 0,
        "footer": null,
        "header": null,
        "id": "01aD0000000a36LIAQ",
        "properties": {
            "aggregates": [{ "name": "s!AMOUNT" }],
            "autoSelectColumns": false,
            "groupings": null,
            "maxRows": null,
            "sort": { "column": "TYPE", "sortOrder": "asc" },
            "useReportChart": false,
            "visualizationProperties": {
                "breakPoints": [{
                    "aggregateName": "s!AMOUNT",
                    "breaks": [
                        { "color": "000000", "lowerBound": null, "upperBound": -1 },
                        { "color": "000000", "lowerBound": -1, "upperBound": 0 },
                        { "color": "000000", "lowerBound": 0, "upperBound": null }
                    ]
                }
            }
        }]
    }],
    "canSave": true,
    "canUpdate": true,
    "canView": true,
    "changedProperties": []
}
Set a Sticky Dashboard Filter

Set a default filter value which gets applied to a dashboard when you open it. The default filter value you specify only applies to you (other people won’t see it when they open the dashboard). If you change the filter value while viewing the dashboard, then the filter value you set in the user interface overwrites the value you set via the API. To set sticky filters for a dashboard, canUseStickyFilter must equal true.

Use a PATCH request on the Dashboard Results resource and append the parameter isStickyFilterSave=true to set a sticky filter.

In the request body, set the selectedOption property to the index of the filter option you’d like to apply.

Example Usage

/services/data/v40.0/analytics/dashboards/0IBR00000004D4iOAE?isStickyFilterSave=true

Example Request Body

```
{
  "filters" : [ {
```
Example Response Body

If successful, an empty response body is returned.

Return Details About Dashboard Components

Get details about one or more dashboard components using a POST request.

Use a POST request on the Dashboard Results resource to get details about one or more dashboard components. Specify which dashboard components you want details about using componentIds in the request body. Available in API versions 36.0 and later.

Example Usage

/services/data/v36.0/analytics/dashboards/01ZR00000008h2EMAQ

Example Request Body

{
    "componentIds": ["01aR00000005aT4IAI", "01aR00000005aT5IAI"]
}

Example Response Body

{
    "attributes": {
        "dashboardId": "01ZR00000008h2EMAQ",
        "selectedOption": 1
    }
}
"dashboardName": "Liz's Sales Manager Dashboard",
"describeUrl": "/services/data/v37.0/analytics/dashboards/01ZR00000008h2EMAQ/describe",
"statusUrl": "/services/data/v37.0/analytics/dashboards/01ZR00000008h2EMAQ/status",
"type": "Dashboard"
},
"componentData": [ {
  "componentId": "01aR00000005aT4IAI",
  "reportResult": {
    "attributes": null,
    "allData": true,
    "factMap": {
      "0!T": {
        "aggregates": [ {
          "label": "$10,000.00",
          "value": 10000
        } ]
      },
      "1!T": {
        "aggregates": [ {
          "label": "$110,000.00",
          "value": 110000
        } ]
      },
      "0_0!T": {
        "aggregates": [ {
          "label": "$10,000.00",
          "value": 10000
        } ]
      },
      "2_2!T": {
        "aggregates": [ {
          "label": "$143.00",
          "value": 143
        } ]
      },
      "2!T": {
        "aggregates": [ {
          "label": "$400,398.00",
          "value": 400398
        } ]
      },
      "0_1!T": {
        "aggregates": [ {
          "label": "$0.00",
          "value": 0
        } ]
      },
      "2_3!T": {
        "aggregates": [ {
          "label": "$100,017.00",
          "value": 100017
        } ]
      }
    }
  }
}
"groupings" : [ {
    "groupings" : [ ],
    "key" : "2_0",
    "label" : "-",
    "value" : null
  }, {
    "groupings" : [ ],
    "key" : "2_1",
    "label" : "-",
    "value" : null
  }, {
    "groupings" : [ ],
    "key" : "2_2",
    "label" : "-",
    "value" : null
  }, {
    "groupings" : [ ],
    "key" : "2_3",
    "label" : "-",
    "value" : null
}],
"key" : "2",
"label" : "March 2016",
"value" : "March 2016"
}

"hasDetailRows" : false,
"reportExtendedMetadata" : {
  "aggregateColumnInfo" : {
    "s!AMOUNT" : {
      "dataType" : "currency",
      "label" : "Sum of Amount"
    }
  },
  "detailColumnInfo" : {},
  "groupingColumnInfo" : {
    "ACCOUNT_NAME" : {
      "dataType" : "string",
      "groupingLevel" : 0,
      "label" : "Account Name"
    },
    "CLOSE_DATE" : {
      "dataType" : "date",
      "groupingLevel" : 0,
      "label" : "Close Date"
    }
  }
},
"reportMetadata" : {
  "aggregates" : [ "s!AMOUNT" ],
  "buckets" : [ {
    "bucketType" : "picklist",
    "developerName" : "BucketField_47575792",
    "label" : "Industry"
  } ]
}
"developerName" : "Deals_Closing_This_Quarter",
"division" : null,
"folderId" : "001R0000000M8IiIaK",
"groupingsAcross" : [ ],
"groupingsDown" : [ {
  "dateGranularity" : "None",
  "name" : "ACCOUNT_NAME",
  "sortAggregate" : null,
  "sortOrder" : "Asc"
}, {
  "dateGranularity" : "Month",
  "name" : "CLOSE_DATE",
  "sortAggregate" : null,
  "sortOrder" : "Asc"
} ],
"hasDetailRows" : false,
"hasRecordCount" : true,
"historicalSnapshotDates" : [ ],
"id" : "00OR0000000K2UeMak",
"name" : "Deals Closing This Quarter",
"reportBooleanFilter" : null,
"reportFilters" : [ {
  "column" : "BucketField_36625466",
  "isRunPageEditable" : true,
  "operator" : "equals",
  "value" : "Early,Late"
}, {
  "column" : "TYPE",
  "isRunPageEditable" : true,
  "operator" : "equals",
  "value" : "Existing Business,New Business"
} ],
"reportFormat" : "SUMMARY",
"reportType" : { 
  "label" : "Opportunities",
  "type" : "Opportunity"
},
"scope" : "organization",
"showGrandTotal" : true,
"showSubtotals" : true,
"sortBy" : [ ],
"standardDateFilter" : { 
  "column" : "CLOSE_DATE",
  "durationValue" : "THIS_FISCAL_QUARTER",
  "endDate" : "2016-06-30",
  "startDate" : "2016-04-01"
},
"standardFilters" : [ {
  "name" : "open",
  "value" : "all"
}, {
  "name" : "probability",
  "value" : ">0"
} ]
"status": {
  "dataStatus": "DATA",
  "errorCode": null,
  "errorMessage": null,
  "errorSeverity": null,
  "refreshDate": "2016-03-22T18:24:39.000+0000",
  "refreshStatus": "IDLE"
},
"componentId": "01aR00000005aT5IAI",
"reportResult": {
  "attributes": null,
  "allData": true,
  "factMap": {
    "0!T": {
      "aggregates": [ {
        "label": "$634,493.00",
        "value": 634493
      } ]
    },
    "1!T": {
      "aggregates": [ {
        "label": "$590,036.00",
        "value": 590036
      } ]
    },
    "0_0!T": {
      "aggregates": [ {
        "label": "$14.00",
        "value": 14
      } ]
    },
    "2!T": {
      "aggregates": [ {
        "label": "$1,330,035.00",
        "value": 1330035
      } ]
    },
    "0_1!T": {
      "aggregates": [ {
        "label": "$36,021.00",
        "value": 36021
      } ]
    },
    "0_2!T": {
      "aggregates": [ {
        "label": "$5,000.00",
        "value": 5000
      } ]
    },
    "1_3!T": {
      "aggregates": [ {
        "label": "$5,000.00",
        "value": 5000
      } ]
    }
  }
}
"label" : "$500,000.00",
"value" : 500000
}
,
"1_4!T" : {
  "aggregates" : [ {
    "label" : "$13.00",
    "value" : 13
  }
  ],
},
"0_4!T" : {
  "aggregates" : [ {
    "label" : "$20,000.00",
    "value" : 20000
  }
  ],
},
"1_1!T" : {
  "aggregates" : [ {
    "label" : "$11.00",
    "value" : 11
  }
  ],
},
"0_5!T" : {
  "aggregates" : [ {
    "label" : "$90,000.00",
    "value" : 90000
  }
  ],
},
"1_2!T" : {
  "aggregates" : [ {
    "label" : "$40,000.00",
    "value" : 40000
  }
  ],
},
"0_6!T" : {
  "aggregates" : [ {
    "label" : "$43,320.00",
    "value" : 43320
  }
  ],
},
"0_7!T" : {
  "aggregates" : [ {

"label" : "$138.00",
"value" : 138
}
],
"1_0!T" : {
"aggregates" : [ {
"label" : "$50,012.00",
"value" : 50012
}
]
},
"2_2!T" : {
"aggregates" : [ {
"label" : "$100,017.00",
"value" : 100017
}
]
},
"2_3!T" : {
"aggregates" : [ {
"label" : "$20,018.00",
"value" : 20018
}
]
},
"2_4!T" : {
"aggregates" : [ {
"label" : "$0.00",
"value" : 0
}
]
},
"2_0!T" : {
"aggregates" : [ {
"label" : "$100,000.00",
"value" : 100000
}
]
},
"2_1!T" : {
"aggregates" : [ {
"label" : "$1,110,000.00",
"value" : 1110000
}
]
},
"groupingsAcross" : null,
"groupingsDown" : {
"groupings" : [ {
"groupings" : [ {
"groupings" : [ ],
"key" : "0_0",
"label" : "March 2013",
"value" : "2013-03-01"
}],
"key" : "0_1",
"label" : "July 2015",
"value" : "2015-07-01"
]}
}


}, {
  "groupings" : [ ],
  "key" : "0_2",
  "label" : "August 2015",
  "value" : "2015-08-01"
}, {
  "groupings" : [ ],
  "key" : "0_3",
  "label" : "September 2015",
  "value" : "2015-09-01"
}, {
  "groupings" : [ ],
  "key" : "0_4",
  "label" : "October 2015",
  "value" : "2015-10-01"
}, {
  "groupings" : [ ],
  "key" : "0_5",
  "label" : "November 2015",
  "value" : "2015-11-01"
}, {
  "groupings" : [ ],
  "key" : "0_6",
  "label" : "December 2015",
  "value" : "2015-12-01"
}, {
  "groupings" : [ ],
  "key" : "0_7",
  "label" : "March 2016",
  "value" : "2016-03-01"
}],
"key" : "0",
"label" : "Manufacturing",
"value" : "Manufacturing"
}, {
  "groupings" : [ ],
  "key" : "1_0",
  "label" : "February 2013",
  "value" : "2013-02-01"
}, {
  "groupings" : [ ],
  "key" : "1_1",
  "label" : "February 2015",
  "value" : "2015-02-01"
}, {
  "groupings" : [ ],
  "key" : "1_2",
  "label" : "September 2015",
  "value" : "2015-09-01"
}, {
  "groupings" : [ ],
  "key" : "1_3",
  "label" : "February 2016",
"key" : "1_4",
"label" : "April 2016",
"value" : "2016-04-01"
},
"key" : "1",
"label" : "Media",
"value" : "Media"
},

"groupings" : [ [ "groupings" : [ ],
  "key" : "2_0",
  "label" : "November 2015",
  "value" : "2015-11-01"
],
  [ "groupings" : [ ],
    "key" : "2_1",
    "label" : "December 2015",
    "value" : "2015-12-01"
  ],
  [ "groupings" : [ ],
    "key" : "2_2",
    "label" : "March 2016",
    "value" : "2016-03-01"
  ],
  [ "groupings" : [ ],
    "key" : "2_3",
    "label" : "May 2016",
    "value" : "2016-05-01"
  ],
  [ "groupings" : [ ],
    "key" : "2_4",
    "label" : "June 2016",
    "value" : "2016-06-01"
  ]
},
"key" : "2",
"label" : "Technology",
"value" : "Technology"
} ]

"hasDetailRows" : false,
"reportExtendedMetadata" : {
  "aggregateColumnInfo" : {
    "s!AMOUNT" : {
      "dataType" : "currency",
      "label" : "Sum of Amount"
    }
  },
  "detailColumnInfo" : {},
  "groupingColumnInfo" : {
    "INDUSTRY" : {
      "dataType" : "picklist",
      "label" : "Media"}
    
    "key" : "1",
      "value" : "Media"
    },
"groupingLevel" : 0,
  "label" : "Industry"
},
"CLOSE_DATE" : {
  "dataType" : "date",
  "groupingLevel" : 0,
  "label" : "Close Date"
}
],
"reportMetadata" : {
  "aggregates" : [ "s!AMOUNT" ],
  "buckets" : [ {
    "bucketType" : "picklist",
    "devloperName" : "BucketField_47575792",
    "label" : "Industry",
    "nullTreatedAsZero" : false,
    "otherBucketLabel" : null,
    "sourceColumnName" : "INDUSTRY",
    "values" : [ {
      "label" : "Technology",
      "rangeUpperBound" : null,
    }, {
      "label" : "Energy",
      "rangeUpperBound" : null,
    }, {
      "label" : "Healthcare",
      "rangeUpperBound" : null,
      "sourceDimensionValues" : [ "Media", "Not For Profit", "Other", "Recreation", "Retail", "Shipping", "Technology", "Telecommunications", "Transportation", "Utilities" ]
    } ]
  }, {
    "bucketType" : "picklist",
    "devloperName" : "BucketField_36625466",
    "label" : "Stage",
    "nullTreatedAsZero" : false,
    "otherBucketLabel" : null,
    "sourceColumnName" : "STAGE_NAME",
    "values" : [ { "label" : "Early",
      "rangeUpperBound" : null,
      "sourceDimensionValues" : [ "Prospecting", "Qualification", "Needs Analysis"
    }, { "label" : "Late",
      "rangeUpperBound" : null,
      "sourceDimensionValues" : [ "Value Proposition", "Id. Decision Makers", }}]
Examples

"Perception Analysis", "Proposal/Price Quote", "Negotiation/Review" ]
}, {
  "label" : "Won",
  "rangeUpperBound" : null,
  "sourceDimensionValues" : [ "Closed Won" ]
}, {
  "label" : "Lost",
  "rangeUpperBound" : null,
  "sourceDimensionValues" : [ "Closed Lost" ]
}
)
"chart" : null,
"crossFilters" : [ ],
"currency" : null,
"description" : null,
"detailColumns" : [ ],
"developerName" : "Pipeline_By_Industry1",
"division" : null,
"folderId" : "005R0000000Hv5rIAC",
"groupingsAcross" : [ ],
"groupingsDown" : [ {
  "dateGranularity" : "None",
  "name" : "INDUSTRY",
  "sortAggregate" : null,
  "sortOrder" : "Asc"
}, {
  "dateGranularity" : "Month",
  "name" : "CLOSE_DATE",
  "sortAggregate" : null,
  "sortOrder" : "Asc"
}
],
"hasDetailRows" : true,
"hasRecordCount" : false,
"historicalSnapshotDates" : [ ],
"id" : "00OR0000000OgsOMAS",
"name" : "Copy of Pipeline By Industry",
"reportBooleanFilter" : null,
"reportFilters" : [ {
  "column" : "ACCOUNT_TYPE",
  "isRunPageEditable" : false,
  "operator" : "lessOrEqual",
  "value" : "Integrator,Partner,Prospect"
}, {
  "column" : "INDUSTRY",
  "isRunPageEditable" : true,
  "operator" : "notEqual",
  "value" : ""
}
],
"reportFormat" : "SUMMARY",
"reportType" : {
  "label" : "Opportunities",
  "type" : "Opportunity"
}
,"scope" : "organization",
"showGrandTotal" : true,
"showSubtotals" : true,
"sortBy" : [ ],
"standardDateFilter" : {
    "column" : "CLOSE_DATE",
    "durationValue" : "CUSTOM",
    "endDate" : null,
    "startDate" : null
},
"standardFilters" : [ {
    "name" : "open",
    "value" : "all"
}, {
    "name" : "probability",
    "value" : ">0"
} ]
},
"status" : {
    "dataStatus" : "DATA",
    "errorCode" : null,
    "errorMessage" : null,
    "errorSeverity" : null,
    "refreshDate" : "2016-03-22T18:24:39.000+0000",
    "refreshStatus" : "IDLE"
}
],
"dashboardMetadata" : {
    "canChangeRunningUser" : false,
    "components" : [ {
        "componentData" : 0,
        "footer" : null,
        "header" : "Pipeline This Quarter",
        "id" : "01aR00000005aT4IAI",
        "properties" : {
            "aggregates" : [ {
                "name" : "s!AMOUNT"
            } ],
            "autoSelectColumns" : false,
            "filterColumns" : [ ],
            "groupings" : null,
            "maxRows" : null,
            "sort" : null,
            "useReportChart" : false,
            "visualizationProperties" : [ {
                "breakPoints" : [ {
                    "aggregateName" : "s!AMOUNT",
                    "breaks" : [ {
                        "color" : "c23934",
                        "lowerBound" : 0,
                        "upperBound" : 200000
                    }, {
                        "color" : "ffbd75d",
                        "lowerBound" : 200000
                    }
                }
            ]
        }
    }
}
"upperBound" : 400000
},
{
  "color" : "00716b",
  "lowerBound" : 400000,
  "upperBound" : 600000
}
],
"showPercentages" : true,
"showTotal" : true
},
"visualizationType" : "Gauge",
"reportId" : "000R0000000K2UeMAK",
"title" : null,
"type" : "Report"
],
{
  "componentData" : 1,
  "footer" : null,
  "header" : "Pipeline by Industry",
  "id" : "01aR00000005aT5IAI",
  "properties" : {
    "aggregates" : [{
      "name" : "s!AMOUNT"
    }],
    "autoSelectColumns" : false,
    "filterColumns" : [],
    "groupings" : [{
      "name" : "INDUSTRY"
    }],
    "maxRows" : null,
    "sort" : {
      "column" : "INDUSTRY",
      "sortOrder" : "asc"
    },
    "useReportChart" : false,
    "visualizationProperties" : {
      "combineSmallGroups" : false,
      "legendPosition" : "Bottom",
      "showPercentages" : false,
      "showTotal" : false,
      "showValues" : false
    },
    "visualizationType" : "Donut"
  },
  "reportId" : "000R00000000gsOMAS",
  "title" : null,
  "type" : "Report"
}],
"description" : null,
"developerName" : "yTtOi1rkFGeWFKpFUoscDuukUApfxH",
"filters" : [],
"folderId" : "001R0000000DnRZIAO",
"id" : "01ZR00000008h2EMAQ",
"layout" : {
Get Dashboard Metadata

Get details about dashboard metadata using a GET request.

Use a GET request on the Dashboard Describe resource to get metadata for the specified dashboard, including dashboard components, filters, layout, and the running user.

Example Usage

/services/data/v37.0/analytics/dashboards/01ZR00000004SknMAE/describe

Example Response Body

```json
{
  "canChangeRunningUser": true,
  "components": [ { 
    "id": "01aR00000005kCmIAI",
    "properties": {
      "aggregates": [ {
        "name": "s!AMOUNT"
      } ],
      "autoSelectColumns": true,
      "filterColumns": [ { 
        "label": "Closed",
        "name": "CLOSED"
      }, { 
        "label": "Account Type",
        "name": "ACCOUNT_TYPE"
      } ],
      "aggregates": [ { 
        "name": "s!AMOUNT"
      } ],
      "autoSelectColumns": true,
      "filterColumns": [ { 
        "label": "Closed",
        "name": "CLOSED"
      }, { 
        "label": "Account Type",
        "name": "ACCOUNT_TYPE"
      } ],
      "aggregate": "s!AMOUNT",
      "filter": [ ]
    }
  } ],
  "components": [ 
    { 
      "id": "01aR00000005kCmIAI",
      "properties": {
        "aggregates": [ {
          "name": "s!AMOUNT"
        } ],
        "autoSelectColumns": true,
        "filterColumns": [ { 
          "label": "Closed",
          "name": "CLOSED"
        }, { 
          "label": "Account Type",
          "name": "ACCOUNT_TYPE"
        } ],
        "aggregate": "s!AMOUNT",
        "filter": [ ]
      }
    }, 
    { 
      "id": "01aR00000005kCmIAI",
      "properties": {
        "aggregates": [ {
          "name": "s!AMOUNT"
        } ],
        "autoSelectColumns": true,
        "filterColumns": [ { 
          "label": "Closed",
          "name": "CLOSED"
        }, { 
          "label": "Account Type",
          "name": "ACCOUNT_TYPE"
        } ],
        "aggregate": "s!AMOUNT",
        "filter": [ ]
      }
    }
  ]
}
```
"label" : "Annual Revenue",
"name" : "SALES",

"groupings" : [ {
  "name" : "STAGE_NAME"
} ],

"maxRows" : null,
"sort" : {
  "column" : "STAGE_NAME",
  "sortOrder" : "asc"
},

"useReportChart" : false,
"visualizationProperties" : {
  "axisRange" : {
    "max" : null,
    "min" : null,
    "rangeType" : "auto"
  },
  "groupByType" : "cumulative",
  "legendPosition" : "Bottom",
  "showValues" : false
},

"visualizationType" : "Line"
},

"reportId" : "00OR0000000JizXMAS",
"title" : null,
"type" : "Report"
},

{ "componentData" : 1,
"footer" : null,
"header" : null,
"id" : "01aR00000005awVIAQ",
"properties" : {
  "aggregates" : [ {
    "name" : "s!AMOUNT"
  } ],
  "autoSelectColumns" : true,
  "filterColumns" : [ {
    "label" : "Closed",
    "name" : "CLOSED"
  }, {
    "label" : "Account Type",
    "name" : "ACCOUNT_TYPE"
  }, {
    "label" : "Annual Revenue",
    "name" : "SALES"
  } ],
  "groupings" : [ {
    "name" : "STAGE_NAME"
  } ],
  "maxRows" : null,
  "sort" : {
    "column" : "STAGE_NAME",
    "sortOrder" : "asc"
"showPercentages" : false,
"showTotal" : false,
"visualizationType" : "Gauge",
"reportId" : "00OR0000000JizXMAS",
"title" : null,
"type" : "Report"
},
{ "componentData" : 3,
"footer" : null,
"header" : null,
"id" : "01aR00000005kCnIAI",
"properties" : {
"aggregates" : [ {
"name" : "s!AMOUNT"
}, {
"name" : "a!AMOUNT"
} ],
"autoSelectColumns" : false,
"filterColumns" : [ {
"label" : "Closed",
"name" : "CLOSED"
}, {
"label" : "Account Type",
"name" : "ACCOUNT_TYPE"
}, {
"label" : "Annual Revenue",
"name" : "SALES"
} ],
"groupings" : [ {
"name" : "STAGE_NAME"
}, {
"name" : "TYPE"
} ],
"maxRows" : null,
"sort" : {
"column" : "STAGE_NAME",
"sortOrder" : "asc"
},
"useReportChart" : false,
"visualizationProperties" : {
"axisRange" : {
"max" : null,
"min" : null,
"rangeType" : "auto"
},
"groupByType" : "grouped",
"legendPosition" : "Bottom"
},
"visualizationType" : "Scatter",
"reportId" : "00OR0000000JizXMAS",
"title" : null,
"type" : "Report"
},
    "componentData" : 4,
    "footer" : null,
    "header" : "My Table",
    "id" : "01aR00000005awUIAQ",
    "properties" : {
        "aggregates" : [ {
            "name" : "s!AMOUNT"
        } ],
        "autoSelectColumns" : false,
        "filterColumns" : [ {
            "label" : "Closed",
            "name" : "CLOSED"
        }, {
            "label" : "Account Type",
            "name" : "ACCOUNT_TYPE"
        }, {
            "label" : "Annual Revenue",
            "name" : "SALES"
        } ],
        "groupings" : [ {
            "name" : "INDUSTRY"
        }, {
            "name" : "CLOSE_DATE"
        } ],
        "maxRows" : null,
        "sort" : {  
            "column" : "INDUSTRY",
            "sortOrder" : "asc"
        },
        "useReportChart" : false,
        "visualizationProperties" : {  
            "breakPoints" : [ {
                "aggregateName" : "s!AMOUNT",
                "breaks" : [ {
                    "color" : "c25454",
                    "lowerBound" : null,
                    "upperBound" : null  
                }, {  
                    "color" : "c2c254",
                    "lowerBound" : null,
                    "upperBound" : null 
                }, {  
                    "color" : "54c254",
                    "lowerBound" : null,
                    "upperBound" : null 
                } ]  
            } ]
        },
        "tableColumns" : [ {  
            "column" : "INDUSTRY",
            "isPercent" : false,
            "scale" : null,
            "showTotal" : false,
            "sortOrder" : "asc"
        } ]
    }
}
"type": "grouping",
}, {
"column": "CLOSE_DATE",
"isPercent": false,
"scale": null,
"showTotal": false,
"type": "grouping"
}, {
"column": "s!AMOUNT",
"isPercent": false,
"scale": null,
"showTotal": true,
"type": "aggregate"
}
],
"visualizationType": "Table"
",
"reportId": "00OR0000000OgsOMAS",
"title": "My Table",
"type": "Report"
}, {
"componentData": 5,
"footer": null,
"header": null,
"id": "OlAR00000005kCoIAI",
"properties": {
"aggregates": [ {
"name": "s!AMOUNT"
} ],
"autoSelectColumns": false,
"filterColumns": [ {
"label": "Closed",
"name": "CLOSED"
} ],
"label": "Account Type",
"name": "ACCOUNT_TYPE"
}, {
"label": "Annual Revenue",
"name": "SALES"
}],
"groupings": [ {
"name": "STAGE_NAME"
}, {
"name": "TYPE"
}],
"maxRows": null,
"sort": {
"column": "STAGE_NAME",
"sortOrder": "asc"
},
"useReportChart": false,
"visualizationProperties": {
"aggregateVisualizationInfos": [ {
"axis": "Y2",
"column": "STAGE_NAME",
"sortOrder": "asc"
} ]}


Get Dashboard Metadata Examples
"legendPosition": "Bottom",
"showValues": false
},
"visualizationType": "Bar"
},
"reportId": "00OR0000000JizXMAS",
"title": null,
"type": "Report"
}
,"description": null,
"developerName": "Filtered_Dashboard",
"filters": [
{
"errorMessage": null,
"id": "0IBR00000004CElOAM",
"name": "Closed",
"options": [
{
"alias": "Open",
"endValue": null,
"id": "0ICR00000004CG4OAM",
"operation": "equals",
"startValue": null,
"value": "True"
},
{
"alias": "Closed",
"endValue": null,
"id": "0ICR00000004CG5OAM",
"operation": "equals",
"startValue": null,
"value": "False"
}
],
"selectedOption": null
},
{
"errorMessage": null,
"id": "0IBR00000004CEmOAM",
"name": "Account Type",
"options": [
{
"alias": null,
"endValue": null,
"id": "0ICR00000004CG6OAM",
"operation": "equals",
"startValue": null,
"value": "Analyst"
},
{
"alias": null,
"endValue": null,
"id": "0ICR00000004CG7OAM",
"operation": "equals",
"startValue": null,
"value": "Competitor"
},
{
"alias": null,
"endValue": null,
"id": "0ICR00000004CG8OAM",
"operation": "equals",
"startValue": null,
"value": "Third Party"
}]
"startValue": null,
"value": "Press, Prospect, Reseller"
],

"alias": null,
"endValue": null,
"id": "0ICR00000004CG9OAM",
"operation": "notEqual",
"startValue": null,
"value": "Other"
],

"alias": "Outsiders",
"endValue": null,
"id": "0ICR00000004CGAOA2",
"operation": "lessOrEqual",
"startValue": null,
"value": "Integrator, Partner, Prospect"
],
"selectedOption": null
]

"errorMessage": null,
"id": "0IBR0000000007cOAA",
"name": "Annual Revenue",
"options": [

"alias": null,
"endValue": null,
"id": "0ICR000000000A5OAI",
"operation": "lessThan",
"startValue": null,
"value": "\"400,000\"
]
],
"selectedOption": null
],

"folderId": "00lR0000000DnRZIA0",
"id": "01ZR00000004SknMAE",
"layout": {

"columns": [

"components": [ 0, 1, 2 
],

"components": [ 3, 4 
],

"components": [ 5, 6 
]
],
"gridLayout": false
],
"name": "Filtered Dashboard",
"runningUser": {

"displayName": "Vandelay Art",
"id": "005R0000000Hv5rIAC"
}
Clone a Dashboard

Creates a copy of a dashboard by sending a POST request to the Dashboard List resource.

Example

You want to clone dashboard 01ZR00000008gkvMAA and save it in a new folder with ID 00lR0000000DnRZIA0.

This POST request /services/data/v35.0/analytics/dashboards/?cloneId=01ZR00000008gkvMAA to the Dashboard List resource clones the dashboard.

```
{"folderId":"00lR0000000DnRZIA0"}
```

The response to the POST request returns the following details about the cloned dashboard.

```
{
    "attributes":
    {
        "dashboardId": "01ZR00000004SZZMA2",
        "dashboardName": "Sales Manager Dashboard",
        "statusUrl": "/services/data/v35.0/analytics/dashboards/01ZR00000004SZZMA2/status",
        "type": "Dashboard",
        "folderId": "00lR0000000DnRZIA0",
        "id": "01ZR00000004SZZMA2",
        "layout": {
            "columns": [
                { "components": [ 0, 1, 2, 3 ] },
                { "components": [ 4, 5, 6 ] },
                { "components": [ 7 ] } ],
            "gridLayout": false,
            "name": "Sales Manager Dashboard",
            "runningUser": { "displayName": "Fred Wiliamson", "id": "005R0000000Hv5rIAC" }
    }
}
```

Delete a Dashboard

Delete a dashboard by sending a DELETE request to the Dashboard Results resource. Deleted dashboards are moved to the Recycle Bin.

Example

This DELETE request /services/data/v34.0/analytics/dashboards/01ZD00000007S89MAE to the Dashboard Results resource deletes the dashboard and returns a 204 HTTP response code with no content in the response body.

Notifications Examples

Learn how to refresh, create, edit, copy, and delete analytic notifications. Analytic notifications are surfaced in the Salesforce user interface as report subscriptions, dashboard subscriptions, or Einstein Analytics notifications.

Get Analytics Notifications

Return a list of analytics notifications using a GET request.
Use a GET request on the Analytics Notification List resource to return a list of analytics notifications.

**Example Usage**

`/services/data/v38.0/analytics/notifications?source=lightningReportSubscribe`

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>source</td>
<td>Required for GET calls. Specifies what type of analytics notification to return. Valid values:</td>
</tr>
<tr>
<td></td>
<td>- lightningDashboardSubscribe — dashboard subscriptions</td>
</tr>
<tr>
<td></td>
<td>- lightningReportSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td>- waveNotification — Einstein Analytics notifications</td>
</tr>
<tr>
<td>ownerId</td>
<td>Optional for GET calls. Allows users with Manage Analytics Notifications permission to get notifications for another user with the specified ownerId.</td>
</tr>
<tr>
<td>recordId</td>
<td>Optional. Return notifications for a single record. Valid values:</td>
</tr>
<tr>
<td></td>
<td>- reportId— Unique report ID</td>
</tr>
<tr>
<td></td>
<td>- lensId— Unique Einstein Analytics lens ID</td>
</tr>
</tbody>
</table>

**Example Response Body**

```json
[ {
  "active": true,
  "createdDate": "2016-08-08T04:14:12Z",
  "deactivateOnTrigger": false,
  "id": "0AuR00000004CYpKAM",
  "lastModifiedDate": "2016-08-08T04:14:12Z",
  "name": "Notification1",
  "recordId": "00OR0000000P7EgMAK",
  "schedule": {
    "details": {
      "time": 3
    },
    "frequency": "daily"
  },
  "source": "lightningReportSubscribe",
  "thresholds": [
    {
      "actions": [
        {
          "configuration": {
            "recipients": []
          },
          "type": "sendEmail"
        }
      ],
      "conditions": null,
      "type": "always"
    }
  ]
},
{ 
  "active": true,
  "createdDate": "2016-08-10T22:22:17Z",
  "deactivateOnTrigger": false,
  "id": "0AuR000000000KSKAY",
  "lastModifiedDate": "2016-08-10T22:22:17Z",
  "name": "Notification2",
  "recordId": "00OR0000000P7EgMAK",
  "schedule": {
    "details": {
      "time": 3
    },
    "frequency": "daily"
  },
  "source": "lightningDashboardSubscribe",
  "thresholds": [
    {
      "actions": [
        {
          "configuration": {
            "recipients": []
          },
          "type": "sendEmail"
        }
      ],
      "conditions": null,
      "type": "always"
    }
  ]
}]
```
null
Create an Analytics Notification

Create an Analytics Notification using a POST request.

Use a POST request on the Analytics Notification List resource to create an analytics notification.

Example Usage
/services/data/v38.0/analytics/notifications

Example Request Body

```json
{
    "active": true,
    "createdDate": "",
    "deactivateOnTrigger": false,
    "id": "",
    "lastModifiedDate": "",
    "name": "New Notification",
    "recordId": "00OR0000000PD55MAG",
    "schedule": {
        "details": {
            "time": 3
        },
        "frequency": "daily"
    },
    "source": "lightningReportSubscribe",
    "thresholds": [{
        "actions": [
            {
                "configuration": {
                    "recipients": []
                },
                "type": "sendEmail"
            }
        ],
        "conditions": null,
        "type": "always"
    }]
}
```

Example Response Body

```json
{
    "active": true,
    "createdDate": "2016-08-12T05:57:19Z",
    "deactivateOnTrigger": false,
    "id": "0AuR00000004CZTKA2",
    "lastModifiedDate": "2016-08-12T05:57:19Z",
    "name": "New Notification",
    "recordId": "00OR0000000PD55MAG",
    "schedule": {
        "details": {
            "time": 3
        },
        "frequency": "daily"
    },
    "source": "lightningReportSubscribe",
    "thresholds": [{
        "actions": [
            {
            }]
    }]
}
```
Save Changes to an Analytics Notification

Save Changes to an Analytics Notification using a PUT request.

Use a PUT request on the Analytics Notification resource to save changes to an analytics notification.

Example Usage

/services/data/v38.0/analytics/notifications/{analytics notification ID}

Example Request Body

In this example, an analytics notification is changed so that it runs daily at 9:00 AM instead of 3:00 AM.

{  
  "active" : true,
  "createdDate" : "",
  "deactivateOnTrigger" : false,
  "id" : "0AuR00000004CZTKA2",
  "lastModifiedDate" : "",
  "name" : "New Notification",
  "recordId" : "00OR0000000PD55MAG",
  "schedule" : {  
    "details" : {  
      "time" : 9
    },
    "frequency" : "daily"
  },
  "source" : "lightningReportSubscribe",
  "thresholds" : [ {  
    "actions" : [ {  
      "configuration" : {  
        "recipients" : [ ]
      },
      "type" : "sendEmail"
    } ],
    "conditions" : null,
    "type" : "always"
  } ]
}

Example Response Body

The response body reflects the updated and saved analytics notifications.

{  
  "active" : true,

Delete an Analytics Notification

Delete an Analytics Notification using a DELETE request. Once deleted, the analytics notification can’t be recovered.

Use a DELETE request on the Analytics Notification resource to delete an analytics notification.

Example Usage

/services/data/v38.0/analytics/notifications/{analytics notification ID}

The analytic notification deletes and returns a 204 HTTP response code with no content in the response body.

Check Limits for Analytics Notifications

Check analytics notification limits using a GET request.

Use a GET request on the Analytics Notification Limits resource to check limits for analytics notifications.

Example Usage

/services/data/v38.0/analytics/notifications/limits?source=waveNotification

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Check how many analytic notifications you have, and the maximum number you can have.</td>
</tr>
</tbody>
</table>

Example Response Body

```json
{
    "userLimit": {
        "max": 5,
    }
}
```
"remaining" : 2
}
]
CHAPTER 3  Reference

In this chapter ...

• Analytics
  Notifications
• Dashboards
• Filter Operators
• Folders
• Reports
• Report Types

Curious about a property in the Reports and Dashboards REST API? This reference details each property, method, and URL parameter for each Reports and Dashboards REST API resource.
Analytics Notifications

Use the Analytics Notifications API to work set up custom analytics notifications. The Analytics Notifications API is available in API version 38.0 and later.

Resources for the Analytics Notifications API are available at /services/data/<latest API version>/analytics/notifications. You can query each resource with an HTTP method.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytics Notification List</td>
<td>GET, POST</td>
<td>Returns a list of recent notifications.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Create an analytics notification.</td>
</tr>
<tr>
<td>Analytics Notification</td>
<td>GET</td>
<td>Returns information about a specific notification.</td>
</tr>
<tr>
<td></td>
<td>PUT, DELETE</td>
<td>Save changes to the notification as specified in the request body. Delete the notification. Deleted notifications can’t be recovered.</td>
</tr>
<tr>
<td>Limits</td>
<td>GET</td>
<td>Check to see how many more analytics notifications you can create.</td>
</tr>
</tbody>
</table>

**Analytics Notification List**

Return a list of analytics notifications (GET) or create an analytics notification (POST).

**Syntax**

**URI**

/vXX.X/analytics/notifications?source=source

**Formats**

JSON

**HTTP methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of analytics notifications.</td>
</tr>
<tr>
<td>POST</td>
<td>Create an analytics notification.</td>
</tr>
</tbody>
</table>
Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>source</td>
<td>Required for GET calls. Specifies what type of analytics notification to return. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• lightningDashboardSubscribe — dashboard subscriptions</td>
</tr>
<tr>
<td></td>
<td>• lightningReportSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td>• waveNotification — Einstein Analytics notifications</td>
</tr>
<tr>
<td>ownerId</td>
<td>Optional for GET calls. Allows users with Manage Analytics Notifications permission to get notifications for another user with the specified ownerId.</td>
</tr>
<tr>
<td>recordId</td>
<td>Optional. Return notifications for a single record. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• reportId— Unique report ID</td>
</tr>
<tr>
<td></td>
<td>• lensId— Unique Einstein Analytics lens ID</td>
</tr>
</tbody>
</table>

GET and POST Response Body

An array of notification objects. Each object contains the following fields:

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>Boolean</td>
<td>Indicates whether the notification is being sent (true) or not (false).</td>
</tr>
<tr>
<td>configuration</td>
<td>WaveConfiguration[]</td>
<td>Describes details of a Wave notification. Only applicable when source is waveNotification.</td>
</tr>
<tr>
<td>createdDate</td>
<td>DateTime</td>
<td>Date and time when the notification was created (in ISO 8601 format).</td>
</tr>
<tr>
<td>deactivateOnTrigger</td>
<td>Boolean</td>
<td>Indicates whether the notification is deactivated after it's sent (true) or not (false). Deactivation doesn't delete the notification. The default value is false.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique notification ID.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>DateTime</td>
<td>Date and time when the notification was last modified (in ISO 8601 format).</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the notification.</td>
</tr>
<tr>
<td>recordId</td>
<td>String</td>
<td>Unique ID of the record that the notification describes. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• reportId</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• lensId</td>
<td></td>
</tr>
<tr>
<td>runAs</td>
<td>runAs</td>
<td>The person who runs the report in a report subscription. Report recipients see data in the emailed report that this person has access to in Salesforce. Available in API version 40.0 and later. Only appears if you have the “Subscribe to Reports: Add Recipients” user perm.</td>
</tr>
</tbody>
</table>
### Schedule

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>frequency</td>
<td>String</td>
<td>How frequently the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• daily — Every day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• weekly — One or more days each week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• monthly — One or more days each month</td>
</tr>
<tr>
<td>frequencyType</td>
<td>String</td>
<td>Only necessary when frequency is monthly. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• relative — Days which can change month-to-month, as described by details.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• specific — Fixed monthly dates, as described by details.</td>
</tr>
<tr>
<td>details</td>
<td>ScheduleDetail[]</td>
<td>Describes the notification schedule. Varies depending on whether frequency</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is daily, weekly, or monthly.</td>
</tr>
</tbody>
</table>

#### ScheduleDetail (frequency is daily)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values</td>
</tr>
<tr>
<td></td>
<td></td>
<td>are integers from 0 to 23.</td>
</tr>
</tbody>
</table>
ScheduleDetail (frequency is weekly)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>daysOfWeek</td>
<td>String[]</td>
<td>The days of the week on which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• mon — Monday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• tue — Tuesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• wed — Wednesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thu — Thursday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fri — Friday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sat — Saturday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sun — Sunday</td>
</tr>
</tbody>
</table>

ScheduleDetail (frequency is monthly, frequencyType is relative)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>weekInMonth</td>
<td>String</td>
<td>The week in the month during which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• first — First week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• second — Second week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• third — Third week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fourth — Fourth week</td>
</tr>
<tr>
<td>dayInWeek</td>
<td>String</td>
<td>The day of the week on which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• mon — Monday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• tue — Tuesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• wed — Wednesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thu — Thursday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fri — Friday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sat — Saturday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sun — Sunday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• weekday — Weekday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• weekend — Weekend day</td>
</tr>
</tbody>
</table>
ScheduleDetail (frequency is monthly, frequencyType is specific)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>daysOfMonth</td>
<td>Integer[]</td>
<td>The days of the month on which the notification is invoked. Possible values are integers from 1 to 31, and -1 (which represents the last day of the month).</td>
</tr>
</tbody>
</table>

Threshold

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>String</td>
<td>Specifies when the notification is invoked (other than date and time criteria). Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• always — Always invoke the notification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• onError — Invoke the notification when there is an error</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• condition — Invoke the notification based on criteria described by conditions</td>
</tr>
<tr>
<td>conditions</td>
<td>Condition[]</td>
<td>Describes conditions that govern when the notification is invoked.</td>
</tr>
<tr>
<td>actions</td>
<td>Action[]</td>
<td>Specifies what action is taken when the notification is invoked.</td>
</tr>
</tbody>
</table>

Condition

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>colName</td>
<td>String</td>
<td>The data field which is operated on.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>The comparison value which is used by the operation.</td>
</tr>
<tr>
<td>operation</td>
<td>String</td>
<td>The operation which is used to evaluate the condition. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• equal — colName and value are equal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• notEqual — colName and value are not equal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• greaterThan — colName is greater than value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lessThan — colName is less than value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• greaterThanEqual — colName is greater than or equal to value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lessThanEqual — colName is less than or equal to value</td>
</tr>
</tbody>
</table>
### Action

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>String</td>
<td>The type of action to perform when the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sendEmail — Send an email to recipients</td>
</tr>
</tbody>
</table>

| configuration | Configuration[] | Specifies important attributes for resources related to the notification. |

### Configuration

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>recipients</td>
<td>Recipient[]</td>
<td>A list of users, roles, and groups who receive the notification.</td>
</tr>
<tr>
<td>summaryOnly</td>
<td>Boolean</td>
<td>Applies when threshold type is condition and source=LightningReportSubscribe. If true, emails the notification summary without the report table. If false or null, emails the summary and report table.</td>
</tr>
</tbody>
</table>

### Recipient

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Specifies who receives the notification. Valid values are the unique id of a user, role, or group.</td>
</tr>
<tr>
<td>displayName</td>
<td>String</td>
<td>The displayName of the user, role, or group.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>Type of recipient. For API version 44.0, type is always user.</td>
</tr>
</tbody>
</table>

### WaveConfiguration

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>anchor</td>
<td>String</td>
<td>Optional. The Id of the Wave dashboard widget to which the notification is anchored.</td>
</tr>
<tr>
<td>filter</td>
<td>String</td>
<td>Optional. Description of selected filters at the time of notification creation.</td>
</tr>
<tr>
<td>query</td>
<td>String</td>
<td>Required. SAQL query which is run when the notification is invoked.</td>
</tr>
<tr>
<td>datasets</td>
<td>WaveDataset[]</td>
<td>Required. Collection of Wave datasets referenced by the notification.</td>
</tr>
</tbody>
</table>
WaveDataset

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Required. Id of the Wave dataset.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Optional. Developer name of the Wave dataset.</td>
</tr>
<tr>
<td>namespace</td>
<td>String</td>
<td>Optional. Namespace of the Wave dataset.</td>
</tr>
</tbody>
</table>

POST Request Body

Uses the same format as the GET and POST response body.

Analytics Notification

Get information about (GET), save changes to (PUT) or delete (DELETE) a specific analytics notification.

Syntax

**URI**

/vXX.X/analytics/notifications/*/analytics notification ID*

**Formats**

JSON

**HTTP methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns information about a specific notification.</td>
</tr>
<tr>
<td>PUT</td>
<td>Save changes to the analytics notification as specified in the request body.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete the analytics notification. Deleted notifications can’t be recovered.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>source</td>
<td>Required for GET calls. Specifies what type of analytics notification to return. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• lightningDashboardSubscribe — dashboard subscriptions</td>
</tr>
<tr>
<td></td>
<td>• lightningReportSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td>• waveNotification — Einstein Analytics notifications</td>
</tr>
<tr>
<td>ownerId</td>
<td>Optional for GET calls. Allows users with Manage Analytics Notifications permission to get notifications for another user with the specified ownerId.</td>
</tr>
</tbody>
</table>
### GET Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>Boolean</td>
<td>Indicates whether the notification is being sent (true) or not (false).</td>
</tr>
<tr>
<td>configuration</td>
<td>WaveConfiguration[]</td>
<td>Describes details of a Wave notification. Only applicable when source is waveNotification.</td>
</tr>
<tr>
<td>createdDate</td>
<td>DateTime</td>
<td>Date and time when the notification was created (in ISO 8601 format).</td>
</tr>
<tr>
<td>deactivateOnTrigger</td>
<td>Boolean</td>
<td>Indicates whether the notification is deactivated after it's sent (true) or not (false). Deactivation doesn't delete the notification. The default value is false.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique notification ID.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>DateTime</td>
<td>Date and time when the notification was last modified (in ISO 8601 format).</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the notification.</td>
</tr>
<tr>
<td>recordId</td>
<td>String</td>
<td>Unique ID of the record that the notification describes. Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• reportId</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lensId</td>
</tr>
<tr>
<td>runAs</td>
<td>runAs</td>
<td>The person who runs the report in a report subscription. Report recipients see data in the emailed report that this person has access to in Salesforce. Available in API version 40.0 and later. Only appears if you have the “Subscribe to Reports: Add Recipients” user perm.</td>
</tr>
<tr>
<td>schedule</td>
<td>Schedule</td>
<td>Details about the notification's schedule.</td>
</tr>
<tr>
<td>source</td>
<td>String</td>
<td>Indicates the type of notification. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lightningSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lightningDashboardSubscribe — dashboard subscriptions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lightningReportSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• waveNotification — Wave notifications</td>
</tr>
<tr>
<td>thresholds</td>
<td>Threshold[]</td>
<td>Specifies what happens when the notification runs. For example, sending an email with report results.</td>
</tr>
</tbody>
</table>
### runAs

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>The person's unique Salesforce user ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>The person's first and last name.</td>
</tr>
</tbody>
</table>

### Schedule

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>frequency</td>
<td>String</td>
<td>How frequently the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- daily — Every day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- weekly — One or more days each week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- monthly — One or more days each month</td>
</tr>
</tbody>
</table>

| frequencyType | String       | Only necessary when frequency is monthly. Possible values are:                |
|              |              | - relative — Days which can change month-to-month, as described by details.   |
|              |              | - specific — Fixed monthly dates, as described by details.                   |

| details      | ScheduleDetail[] | Describes the notification schedule. Varies depending on whether frequency is daily, weekly, or monthly. |

**ScheduleDetail (frequency is daily)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
</tbody>
</table>

**ScheduleDetail (frequency is weekly)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>daysOfWeek</td>
<td>String[]</td>
<td>The days of the week on which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- mon — Monday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- tue — Tuesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- wed — Wednesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- thu — Thursday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- fri — Friday</td>
</tr>
</tbody>
</table>
### ScheduleDetail (frequency is monthly, frequencyType is relative)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>weekInMonth</td>
<td>String</td>
<td>The week in the month during which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• first — First week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• second — Second week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• third — Third week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fourth — Fourth week</td>
</tr>
<tr>
<td>dayInWeek</td>
<td>String</td>
<td>The day of the week on which the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• mon — Monday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• tue — Tuesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• wed — Wednesday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thu — Thursday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fri — Friday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sat — Saturday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sun — Sunday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• weekday — Weekday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• weekend — Weekend day</td>
</tr>
</tbody>
</table>

### ScheduleDetail (frequency is monthly, frequencyType is specific)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time</td>
<td>Integer</td>
<td>The hour of the day at which the notification is invoked. Possible values are integers from 0 to 23.</td>
</tr>
<tr>
<td>daysOfMonth</td>
<td>Integer[]</td>
<td>The days of the month on which the notification is invoked. Possible values are integers from 1 to 31, and -1 (which represents the last day of the month).</td>
</tr>
</tbody>
</table>
# Threshold

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>String</td>
<td>Specifies when the notification is invoked (other than date and time criteria). Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- always — Always invoke the notification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- onError — Invoke the notification when there is an error</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- condition — Invoke the notification based on criteria described by conditions</td>
</tr>
<tr>
<td>conditions</td>
<td>Condition[]</td>
<td>Describes conditions that govern when the notification is invoked.</td>
</tr>
<tr>
<td>actions</td>
<td>Action[]</td>
<td>Specifies what action is taken when the notification is invoked.</td>
</tr>
</tbody>
</table>

## Condition

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>colName</td>
<td>String</td>
<td>The data field which is operated on.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>The comparison value which is used by the operation.</td>
</tr>
<tr>
<td>operation</td>
<td>String</td>
<td>The operation which is used to evaluate the condition. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- equal — colName and value are equal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- notEqual — colName and value are not equal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- greaterThan — colName is greater than value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- lessThan — colName is less than value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- greaterThanEqual — colName is greater than or equal to value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- lessThanEqual — colName is less than or equal to value</td>
</tr>
</tbody>
</table>

## Action

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>String</td>
<td>The type of action to perform when the notification is invoked. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- sendEmail — Send an email to recipients</td>
</tr>
<tr>
<td>configuration</td>
<td>Configuration[]</td>
<td>Specifies important attributes for resources related to the notification.</td>
</tr>
</tbody>
</table>
## Configuration

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>recipients</td>
<td>Recipient[]</td>
<td>A list of users, roles, and groups who receive the notification.</td>
</tr>
<tr>
<td>summaryOnly</td>
<td>Boolean</td>
<td>Applies when threshold type is condition and source=LightningReportSubscribe.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If true, emails the notification summary without the report table. If false or null, emails the summary and report table.</td>
</tr>
</tbody>
</table>

### Recipient

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Specifies who receives the notification. Valid values are the unique id of a user, role, or group.</td>
</tr>
<tr>
<td>displayName</td>
<td>String</td>
<td>The displayName of the user, role, or group.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>Type of recipient. For API version 44.0, type is always user.</td>
</tr>
</tbody>
</table>

### WaveConfiguration

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>anchor</td>
<td>String</td>
<td>Optional. The Id of the Wave dashboard widget to which the notification is anchored.</td>
</tr>
<tr>
<td>filter</td>
<td>String</td>
<td>Optional. Description of selected filters at the time of notification creation.</td>
</tr>
<tr>
<td>query</td>
<td>String</td>
<td>Required. SAQL query which is run when the notification is invoked.</td>
</tr>
<tr>
<td>datasets</td>
<td>WaveDataset[]</td>
<td>Required. Collection of Wave datasets referenced by the notification.</td>
</tr>
</tbody>
</table>

### WaveDataset

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Required. Id of the Wave dataset.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Optional. Developer name of the Wave dataset.</td>
</tr>
<tr>
<td>namespace</td>
<td>String</td>
<td>Optional. Namespace of the Wave dataset.</td>
</tr>
</tbody>
</table>

### PUT Request Body

A notification object with desired changes.

Uses the same format as the GET response body.
PUT Response Body
An analytics notification object reflecting saved changes.
Uses the same format as the GET response body.

DELETE Response Body
The analytics notification is deleted, and can't be recovered.
Returns an empty response body.

Analytics Notification Limits
Check to see how many more analytics notifications you can create.

Syntax

URI
/vXX.X/analytics/notifications/limits?source=source

Formats
JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Check how many analytic notifications you have, and the maximum number you can have.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>source</td>
<td>Required for GET calls. Specifies what type of analytics notification to return. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• lightningDashboardSubscribe — dashboard subscriptions</td>
</tr>
<tr>
<td></td>
<td>• lightningReportSubscribe — report subscriptions</td>
</tr>
<tr>
<td></td>
<td>• waveNotification — Einstein Analytics notifications</td>
</tr>
<tr>
<td>recordId</td>
<td>Optional. Return notifications for a single record. Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• reportId— Unique report ID</td>
</tr>
<tr>
<td></td>
<td>• lensId— Unique Einstein Analytics lens ID</td>
</tr>
</tbody>
</table>
### GET Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>max</td>
<td>Integer</td>
<td>How many analytics notifications of the type specified by source the user is allowed to create.</td>
</tr>
<tr>
<td>remaining</td>
<td>Integer</td>
<td>How many more analytics notifications of the type specified by source the user can create before hitting the limit.</td>
</tr>
</tbody>
</table>

### Dashboards

The Dashboards API provides several resources for accessing and refreshing dashboards.

Resources for the Dashboards API are available at `/services/data/<latest API version>/analytics/dashboards`. You can query each resource with an HTTP method (such as GET). Use these resources to integrate dashboard data directly into your applications.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dashboard List</td>
<td>GET</td>
<td>Returns a list of recently used dashboards.</td>
</tr>
<tr>
<td></td>
<td>POST</td>
<td>Makes a copy of a dashboard.</td>
</tr>
<tr>
<td>Dashboard Results</td>
<td>GET</td>
<td>Returns the metadata, data, and status for the specified dashboard.</td>
</tr>
<tr>
<td></td>
<td>POST</td>
<td>Returns details about specified dashboard components.</td>
</tr>
<tr>
<td></td>
<td>PUT</td>
<td>Triggers a dashboard refresh.</td>
</tr>
<tr>
<td></td>
<td>PATCH</td>
<td>Saves a dashboard.</td>
</tr>
<tr>
<td></td>
<td>DELETE</td>
<td>Deletes a dashboard.</td>
</tr>
<tr>
<td>Dashboard Status</td>
<td>GET</td>
<td>Returns the status for the specified dashboard.</td>
</tr>
<tr>
<td>Dashboard Describe</td>
<td>GET</td>
<td>Returns metadata for the specified dashboard, including dashboard components, filters, layout, and the running user.</td>
</tr>
<tr>
<td>Dashboard Filter Options Analysis</td>
<td>POST</td>
<td>Verifies that dashboard filter options are compatible with report fields. Specify the reportId of a dashboard’s components’ source report.</td>
</tr>
</tbody>
</table>

### Dashboard List

Returns a list of recently used dashboards or clones a dashboard.

**Syntax**

**URI**

`/vXX.X/analytics/dashboards`
**Formats**
JSON

**HTTP methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of dashboards that were recently viewed by the API user. See this example.</td>
</tr>
<tr>
<td>POST</td>
<td>Makes a copy of a dashboard. See this example.</td>
</tr>
</tbody>
</table>

**Authentication**

Authorization: Bearer *token*

**GET Response body**

An array of recent dashboard objects. Each object contains the following fields:

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of the dashboard.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Localized display name of the dashboard.</td>
</tr>
<tr>
<td>statusUrl</td>
<td>String</td>
<td>Dashboard status URL.</td>
</tr>
<tr>
<td>url</td>
<td>String</td>
<td>Dashboard result URL.</td>
</tr>
</tbody>
</table>

**POST Response Body**

Uses the same format as the GET and PUT responses for the Dashboard Results resource.

**Dashboard Results**

Can return metadata, data, and status for the specified dashboard. Can also refresh, save, or delete a dashboard.

**Syntax**

**URI**

/vXX.X/analytics/dashboards/*dashboardID*

Or, with optional parameters:

/vXX.X/analytics/dashboards/*dashboardID*

?runningUser=*runningUserID*&filter1=*filter1ID*&filter2=*filter2ID*&filter3=*filter3ID*
HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns metadata, data, and status for the specified dashboard. See this <a href="#">example</a>.</td>
</tr>
<tr>
<td>POST</td>
<td>Returns details about one or more dashboard components from a specified dashboard. See this <a href="#">example</a>.</td>
</tr>
<tr>
<td>PUT</td>
<td>Triggers a dashboard refresh. See this <a href="#">example</a>.</td>
</tr>
<tr>
<td>PATCH</td>
<td>Saves a dashboard. See this <a href="#">example</a>.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Deletes a dashboard. See this <a href="#">example</a>.</td>
</tr>
</tbody>
</table>

Authentication

Authorization: Bearer **token**

Parameters

The following optional parameters can be used with the GET and PUT methods:

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>runningUser</td>
<td>Identifier of the running user. Gives an error if the user is not allowed to change the running user, or if the selected running user is invalid.</td>
</tr>
<tr>
<td>filter1</td>
<td>Identifier of the selected filter option for the first filter. Gives an error if the filter option is invalid.</td>
</tr>
<tr>
<td>filter2</td>
<td>Identifier of the selected filter option for the second filter. Gives an error if the filter option is invalid.</td>
</tr>
<tr>
<td>filter3</td>
<td>Identifier of the selected filter option for the third filter. Gives an error if the filter option is invalid.</td>
</tr>
<tr>
<td>isStickyFilterSave</td>
<td>Append to a PATCH request. When <code>true</code>, saves any dashboard filters set in the request so that they’re also set the next time you open the dashboard. You can only set dashboard filters for yourself, not for other users.</td>
</tr>
</tbody>
</table>

GET, POST, and PUT Response body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentData</td>
<td>Component data[]</td>
<td>Ordered array containing data and status for each component of the dashboard.</td>
</tr>
<tr>
<td>dashboardMetadata</td>
<td>Dashboard metadata</td>
<td>Metadata for the entire dashboard.</td>
</tr>
</tbody>
</table>

Attributes

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dashboardId</td>
<td>String</td>
<td>Unique identifier of dashboard.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>dashboardName</td>
<td>String</td>
<td>Dashboard name.</td>
</tr>
<tr>
<td>statusUrl</td>
<td>Url</td>
<td>The URL of the status resource for the dashboard.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>This property is always set to Dashboard.</td>
</tr>
</tbody>
</table>

Component data

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentId</td>
<td>String</td>
<td>Unique identifier of the component.</td>
</tr>
<tr>
<td>reportResult</td>
<td>Report results</td>
<td>Report metadata and summary data for the dashboard component. Uses the same data format as the Report API.</td>
</tr>
<tr>
<td>status</td>
<td>Component status</td>
<td>Queue and data status of the component.</td>
</tr>
</tbody>
</table>

Component status

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dataStatus</td>
<td>String</td>
<td>Status of the data set of the component. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• NODATA: The data set was never generated or is invalid due to a change in the report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DATA: The data set is available and was last refreshed at the refreshDate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ERROR: A component error has occurred. Details can be found in errorCode, errorMessage, and errorSeverity.</td>
</tr>
<tr>
<td>errorCode</td>
<td>String</td>
<td>Unique identifier of error message. This property is only populated in case of error.</td>
</tr>
<tr>
<td>errorMessage</td>
<td>String</td>
<td>Localized error message. This property is only populated in case of error.</td>
</tr>
<tr>
<td>errorSeverity</td>
<td>String</td>
<td>Severity of error code and message. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Error</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Warning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This property is only populated in case of error.</td>
</tr>
<tr>
<td>refreshDate</td>
<td>Date and time string</td>
<td>Date and time of last refresh in ISO-8601 format.</td>
</tr>
<tr>
<td>refreshStatus</td>
<td>String</td>
<td>Refresh status of the component. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IDLE: The component is not currently being refreshed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• RUNNING: The component is currently being refreshed.</td>
</tr>
</tbody>
</table>

Reference
## Dashboard metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>attributes</td>
<td>Attributes</td>
<td>Attributes for the dashboard resource, such as name, identifier, and references to other related resources.</td>
</tr>
<tr>
<td>canChangeRunningUser</td>
<td>Boolean</td>
<td>Indicates whether the user is allowed to select a specific running user. Always true for team dashboards.</td>
</tr>
<tr>
<td>canUseStickyFilter</td>
<td>Boolean</td>
<td>Indicates whether dashboard filters persist after closing the dashboard (true) or not (false). Filters that persist keep the dashboard filtered the next time you open it. Filters persist for users on a per-user basis, so if you apply a filter then it doesn’t persist for other people.</td>
</tr>
<tr>
<td>chartTheme</td>
<td>String</td>
<td>Specifies the dashboard theme. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• light—Default value. Dashboards have a light background that resembles a glass of milk.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• dark—Dashboards have a dark background that is reminiscent of the night sky.</td>
</tr>
<tr>
<td>colorPalette</td>
<td>String</td>
<td>Specifies a color palette for use in charts. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• wildflowers—Default value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• aurora</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• nightfall</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sunrise</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• bluegrass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ocean</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• heat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• dusk</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• pond</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• watermelon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lake</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• mineral—Accessible.</td>
</tr>
<tr>
<td>components</td>
<td>Components[]</td>
<td>Ordered array of components in this dashboard.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>Dashboard description.</td>
</tr>
<tr>
<td>dashboardType</td>
<td>String</td>
<td>Indicates whether a dashboard is a dynamic dashboard, a dashboard with running users, or a standard dashboard. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SpecifiedUser — Dashboard readers view data as though they are the person specified by runningUser</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• LoggedInUser — Dashboard readers view data as themselves. The dashboard is a dynamic dashboard.</td>
</tr>
</tbody>
</table>
- MyTeamUser — Dashboard readers view data as the person specified by runningUser by default. If they have the “View All Data” user permission then they can change the runningUser to anyone. If they have the “View My Team's Dashboards” user permission then they can change the runningUser to people subordinate to them in the role hierarchy.

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>developerName</td>
<td>String</td>
<td>Unique API name of the dashboard.</td>
</tr>
<tr>
<td>filters</td>
<td>Filters[]</td>
<td>Ordered array of filters for this dashboard. The dashboard can have 0-3 filters.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the dashboard.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of dashboard.</td>
</tr>
<tr>
<td>layout</td>
<td>Layout</td>
<td>Component layout for this dashboard.</td>
</tr>
<tr>
<td>maxFilterOptions</td>
<td>Integer</td>
<td>The maximum number of values allowed in a dashboard filter.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Dashboard name.</td>
</tr>
<tr>
<td>runningUser</td>
<td>Running user</td>
<td>The running user, which is either specified at dashboard design time, or is overridden by the runningUser parameter specified in the GET request. For dynamic dashboards, this is always the current user.</td>
</tr>
</tbody>
</table>

**Components**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentData</td>
<td>Integer</td>
<td>Index into the component data array in the response body.</td>
</tr>
<tr>
<td>footer</td>
<td>String</td>
<td>Footer of the component.</td>
</tr>
<tr>
<td>header</td>
<td>String</td>
<td>Header of the component.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of the component.</td>
</tr>
<tr>
<td>properties</td>
<td>Properties (for Report component type)</td>
<td>Component properties, including type-specific visualization properties.</td>
</tr>
<tr>
<td></td>
<td>Properties (for Visualforce page component type)</td>
<td></td>
</tr>
<tr>
<td>reportId</td>
<td>String</td>
<td>Unique identifier of the underlying report.</td>
</tr>
<tr>
<td>title</td>
<td>String</td>
<td>Title of the component</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>Type of the component. Value can be:</td>
</tr>
</tbody>
</table>

- Report
### Filters

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>errorMessage</td>
<td>String</td>
<td>If there is no error with a dashboard filter, then <code>null</code>. Otherwise, the error message is returned.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Localized display name of filter.</td>
</tr>
<tr>
<td>options</td>
<td>Filter option</td>
<td>Ordered array of possible filter options.</td>
</tr>
<tr>
<td>selectedOption</td>
<td>Integer</td>
<td>Index of the selected option from the <code>options</code> array. This matches the selection that was made based on the <code>filter1</code>, <code>filter2</code>, or <code>filter3</code> parameter. Value is <code>null</code> if no option is selected.</td>
</tr>
</tbody>
</table>

### Filter option

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>alias</td>
<td>String</td>
<td>Optional alias of the filter option.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of the filter option. Used as a value for the <code>filter1</code>, <code>filter2</code>, and <code>filter3</code> parameters.</td>
</tr>
<tr>
<td>operation</td>
<td>String</td>
<td>Unique API name for the filter operation. Valid filter operations depend on the data type of the filter field. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>equals</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>notEqual</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>lessThan</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>greaterThan</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>lessOrEqual</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>greaterOrEqual</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>contains</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>notContain</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>startsWith</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>includes</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>excludes</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>within</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>between</code></td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>Value to filter on. Used for all operations except between.</td>
</tr>
<tr>
<td>startValue</td>
<td>String</td>
<td>Start value when using a between operation. Not set for all other operations.</td>
</tr>
<tr>
<td>endValue</td>
<td>String</td>
<td>End value when using a between operation. Not set for all other operations.</td>
</tr>
</tbody>
</table>

**Layout**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>columns</td>
<td>Columns[]</td>
<td>Dashboard layout columns. Can have 2 or 3 columns, including empty columns.</td>
</tr>
<tr>
<td>components</td>
<td>Components</td>
<td>Layout for dashboards. This property is available only if the dashboard was created using Lightning Experience.</td>
</tr>
</tbody>
</table>

**Columns**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>components</td>
<td>Integer[]</td>
<td>Ordered list of components in a column (top to bottom). Components are represented by indices into the array of components in the dashboard metadata object.</td>
</tr>
</tbody>
</table>

**Components**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>colspan</td>
<td>Integer</td>
<td>Width of component in columns. For example, if colspan=3, then the component spans 3 columns.</td>
</tr>
<tr>
<td>rowspan</td>
<td>Integer</td>
<td>Height of component in rows. For example, if rowspan=4, then the component spans 4 rows.</td>
</tr>
<tr>
<td>column</td>
<td>String</td>
<td>Column position on the grid.</td>
</tr>
<tr>
<td>row</td>
<td>String</td>
<td>Row position on the grid.</td>
</tr>
</tbody>
</table>

**Running user**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>displayName</td>
<td>String</td>
<td>Display name of running user.</td>
</tr>
</tbody>
</table>
### id
- **Type**: String
- **Description**: Returns the ID of the running user specified for the dashboard. If the dashboard is configured to run as the viewing user, returns the user ID of the dashboard creator.

### picklistColors
- **Property**: color
- **Type**: String
- **Description**: The color in hexadecimal format used to represent a picklist value.

### Properties (for Report component type)
- **Property**: aggregates
  - **Type**: Array of strings
  - **Description**: Unique identities for summary or custom summary formula fields in the report. For example:
    - `a!Amount` represents the average for the `Amount` column.
    - `s!Amount` represents the sum of the `Amount` column.
    - `m!Amount` represents the minimum value of the `Amount` column.
    - `x!Amount` represents the maximum value of the `Amount` column.
    - `s!<customfieldID>` represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.
    - `u!<column_name>` represents a unique count of values for the specified `<column_name>`. For example, `u!AccountName` returns the number of unique account name values in the `AccountName` field.

- **Property**: autoSelectColumns
  - **Type**: Boolean
  - **Description**: Indicates whether groupings and aggregates are automatically selected. Valid values are true and false.

- **Property**: drillUrl
  - **Type**: String
  - **Description**: Specifies a custom link destination from a dashboard component. If `drillURL` begins with `https://` or `http://` or `www.`, then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce.
    - Null if no link is set.

- **Property**: groupings
  - **Type**: Groupings
  - **Description**: Report groupings included in the dashboard.

- **Property**: maxRows
  - **Type**: Number
  - **Description**: Maximum number of rows to be rendered, based on the sort value.

- **Property**: reportFormat
  - **Type**: String
  - **Description**: The format of a dashboard’s source report.
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sort</td>
<td>Sort</td>
<td>Used in previous releases. In this release (v46.0) and later assign the value null, except for the following instances:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Tabular lightning table format</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Top N source report for any chart type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In these two cases, the value matches the following object:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>```</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;sort&quot; : {</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;column&quot; : &quot;TYPE&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;sortOrder&quot; : &quot;asc&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;type&quot; : &quot;label&quot; },</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td>useReportChart</td>
<td>Boolean</td>
<td>Indicates whether the dashboard component uses the chart as defined in the report. Valid values are true and false.</td>
</tr>
<tr>
<td>visualizationProperties</td>
<td></td>
<td>Type-specific visualization properties.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visualization properties (Chart)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visualization properties (Table)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visualization properties (FlexTable)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visualization properties (Metric)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visualization properties (Gauge)</td>
</tr>
<tr>
<td>visualizationType</td>
<td>String</td>
<td>Type of the component. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Bar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Column</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Donut</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Funnel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gauge</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Line</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Metric</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pie</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Scatter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Table</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• FlexTable (As of API Version 41.0)</td>
</tr>
</tbody>
</table>
### Groupings

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>inheritedReportSort</td>
<td>String</td>
<td>For this release (v46.0) and later, keep the default value of <code>null</code> for this property and use sortOrder instead.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Developer name of the grouping.</td>
</tr>
<tr>
<td>sortAggregate</td>
<td>String</td>
<td>Name of the aggregate by which the dashboard component sorts. If <code>null</code>, the dashboard component sorts by label or matches/inverts the report's sort order.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Specifies whether the dashboard component sorts in ascending (Asc) or descending (Desc) order.</td>
</tr>
</tbody>
</table>

### Sort

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>inheritedReportSort</td>
<td>String</td>
<td>For this release (v46.0) and later, keep the default value of <code>null</code> for this property and use sortOrder instead.</td>
</tr>
<tr>
<td>sortAggregate</td>
<td>String</td>
<td>Name of the aggregate by which the dashboard component sorts. If <code>null</code>, the dashboard component sorts by label or matches/inverts the report's sort order.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Specifies whether the dashboard component sorts in ascending (Asc) or descending (Desc) order.</td>
</tr>
</tbody>
</table>

### Visualization properties (Chart)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>axisRange</td>
<td>String</td>
<td>Range of values specified for the axis.</td>
</tr>
<tr>
<td>decimalPrecision</td>
<td>Integer</td>
<td>The number of decimal places included in a dashboard metric, chart, or table, 0–5. If -1 or null, Salesforce automatically sets the number of decimal places.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>whole</code> — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>auto</code> — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>hundreds</code> — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>thousands</code> — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>millions</code> — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set.</td>
</tr>
<tr>
<td>groupByType</td>
<td>String</td>
<td>Type of second-level grouping.</td>
</tr>
<tr>
<td>legendPosition</td>
<td>String</td>
<td>Position of legend on the grid. Valid values are bottom, right, and none.</td>
</tr>
<tr>
<td>showValues</td>
<td>Boolean</td>
<td>Indicates whether to include values in the chart. Valid values are true and false.</td>
</tr>
</tbody>
</table>

### Visualization properties (Table)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>breakPoints</td>
<td>Break point[]</td>
<td>Break points for the table component.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• auto — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hundreds — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thousands — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• millions — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• billions — Display as multiples of 1,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• trillions — Display as multiples of 1,000,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null — Customizing how numbers display isn't applicable..</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set.</td>
</tr>
<tr>
<td>tableColumns</td>
<td>Table columns[]</td>
<td>Columns of the table component.</td>
</tr>
</tbody>
</table>
Visualization properties (FlexTable)

FlexTable is the API name of the Lightning dashboard table.

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specifies how to display numbers in dashboard components. Each value displays numbers as a multiple of a hundred (hundreds), thousand (thousands), million (millions), billion (billions), or trillion (trillions).</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set.</td>
</tr>
<tr>
<td>flexTableType</td>
<td>String</td>
<td>Specifies whether the table shows detail columns or groups and measures. Possible values:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• tabular — The table displays detail rows.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• summary — The table displays groups and measures.</td>
</tr>
<tr>
<td>showChatterPhotos</td>
<td>Boolean</td>
<td>Indicates whether Chatter photos are shown (true) or not (false).</td>
</tr>
<tr>
<td>tableColumns</td>
<td>Table columns[]</td>
<td>Columns of the table component.</td>
</tr>
</tbody>
</table>

Visualization properties (Metric)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>breakPoints</td>
<td>Break point[]</td>
<td>Break points for the metric component.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• auto — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hundreds — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thousands — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• millions — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• billions — Display as multiples of 1,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• trillions — Display as multiples of 1,000,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null — Customizing how numbers display isn’t applicable.</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>link</td>
<td></td>
<td>link directs to a website outside of Salesforce. Otherwise, the destination</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is a site inside Salesforce.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Null if no link is set.</td>
</tr>
<tr>
<td>metricLabel</td>
<td>String</td>
<td>Label for the metric component.</td>
</tr>
</tbody>
</table>

**Visualization properties (Gauge)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>breakPoints</td>
<td>Break point[]</td>
<td>Break points for the gauge component.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• auto — Display the number rounded to the nearest thousand, million, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and displayed as a shortened value. For example, 1,876 displays as 1.9k.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In calculating summaries, the true value of the number (1,876) is used,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hundreds — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thousands — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• millions — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• billions — Display as multiples of 1,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• trillions — Display as multiples of 1,000,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null — Customizing how numbers display isn't applicable.</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If</td>
</tr>
<tr>
<td></td>
<td></td>
<td>drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link</td>
</tr>
<tr>
<td></td>
<td></td>
<td>directs to a website outside of Salesforce. Otherwise, the destination</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is a site inside Salesforce.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Null if no link is set.</td>
</tr>
<tr>
<td>showPercentages</td>
<td>Boolean</td>
<td>Specify whether percentages are displayed (true) or not (false).</td>
</tr>
<tr>
<td>showTotal</td>
<td>Boolean</td>
<td>Indicates whether the total is displayed (true) or not (false).</td>
</tr>
</tbody>
</table>

**Break point**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregateName</td>
<td>String</td>
<td>Aggregate column developer name that the break points have been applied to.</td>
</tr>
<tr>
<td>breaks</td>
<td>Break[]</td>
<td>Break values for a break point.</td>
</tr>
</tbody>
</table>
## Break

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>color</td>
<td>String</td>
<td>A hex value representing the color for the break point.</td>
</tr>
<tr>
<td>lowerBound</td>
<td>Number</td>
<td>Lower bound for the break point.</td>
</tr>
<tr>
<td>upperBound</td>
<td>Number</td>
<td>Upper bound for the break point.</td>
</tr>
</tbody>
</table>

**Note:** A color value of black displays only 1 character (0) instead of 6 characters (000000).

## Table columns

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>column</td>
<td>String</td>
<td>Developer name for the aggregate or grouping column.</td>
</tr>
<tr>
<td>isPercent</td>
<td>Boolean</td>
<td>Indicates whether the column value is shown as a percent (true) or not (false). Not supported for FlexTables.</td>
</tr>
<tr>
<td>scale</td>
<td>Number</td>
<td>The number of decimal places for the column value. Not supported for FlexTables.</td>
</tr>
<tr>
<td>showTotal</td>
<td>Boolean</td>
<td>Indicates whether the column shows the total (true) or not (false).</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>Type of the column. Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• detail</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• aggregate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• grouping</td>
</tr>
</tbody>
</table>

## Properties (for Visualforce page component type)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pageName</td>
<td>String</td>
<td>Developer name of the Visualforce page.</td>
</tr>
<tr>
<td>height</td>
<td>String</td>
<td>Height of the Visualforce page, in pixels.</td>
</tr>
</tbody>
</table>

## tableChatterPhotoUrls

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>chatterPhotoUrl</td>
<td>String</td>
<td>URL pointing to a user's Chatter photo.</td>
</tr>
</tbody>
</table>
PUT Response body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>statusUrl</td>
<td>String</td>
<td>URL of the status resource for the dashboard.</td>
</tr>
</tbody>
</table>

POST Request body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentIds</td>
<td>Array of Strings</td>
<td>Dashboard component ids.</td>
</tr>
</tbody>
</table>

Dashboard Describe

Returns metadata for the specified dashboard, including dashboard components, filters, layout, and the running user.

Syntax

URI

`/vXX.X/analytics/dashboards/dashboardID/describe`

Formats

JSON

HTTP methods

GET

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>loadComponentProperties</code></td>
<td>Optional. Specifies whether or not to return properties for each dashboard component. The default value is <code>true</code>. Has no effect on filtered dashboards. Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <code>true</code> — Return component properties.</td>
</tr>
<tr>
<td></td>
<td>• <code>false</code> — Don’t return component properties. The <code>properties</code> value instead returns <code>null</code>.</td>
</tr>
</tbody>
</table>

Authentication

Authorization: Bearer `token`

Example

See this example, Get Dashboard Metadata.
# Response body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>attributes</td>
<td>Attributes</td>
<td>Attributes for the dashboard resource, such as name, identifier, and references to other related resources.</td>
</tr>
<tr>
<td>canChangeRunningUser</td>
<td>Boolean</td>
<td>Indicates whether the user is allowed to select a specific running user. Always true for team dashboards.</td>
</tr>
<tr>
<td>canUseStickyFilter</td>
<td>Boolean</td>
<td>Indicates whether dashboard filters persist after closing the dashboard (true) or not (false). Filters that persist keep the dashboard filtered the next time you open it. Filters persist for users on a per-user basis, so if you apply a filter then it doesn’t persist for other people.</td>
</tr>
<tr>
<td>chartTheme</td>
<td>String</td>
<td>Specifies the dashboard theme. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• light—Default value. Dashboards have a light background that resembles a glass of milk.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• dark—Dashboards have a dark background that is reminiscent of the night sky.</td>
</tr>
<tr>
<td>colorPalette</td>
<td>String</td>
<td>Specifies a color palette for use in charts. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• wildflowers—Default value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• aurora</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• nightfall</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• sunrise</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• bluegrass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ocean</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• heat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• dusk</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• pond</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• watermelon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• lake</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• mineral—Accessible.</td>
</tr>
<tr>
<td>components</td>
<td>Components[]</td>
<td>Ordered array of components in this dashboard.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>Dashboard description.</td>
</tr>
<tr>
<td>dashboardType</td>
<td>String</td>
<td>Indicates whether a dashboard is a dynamic dashboard, a dashboard with running users, or a standard dashboard. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SpecifiedUser — Dashboard readers view data as though they are the person specified by runningUser</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• LoggedInUser — Dashboard readers view data as themselves. The dashboard is a dynamic dashboard.</td>
</tr>
</tbody>
</table>

146
**MyTeamUser** — Dashboard readers view data as the person specified by runningUser by default. If they have the “View All Data” user permission then they can change the runningUser to anyone. If they have the “View My Team’s Dashboards” user permission then they can change the runningUser to people subordinate to them in the role hierarchy.

- **developerName**  
  String  
  Unique API name of the dashboard.

- **filters**  
  Filters[]  
  Ordered array of filters for this dashboard. The dashboard can have 0-3 filters.

- **folderId**  
  String  
  ID of the folder that contains the dashboard.

- **id**  
  String  
  Unique identifier of dashboard.

- **layout**  
  Layout  
  Component layout for this dashboard.

- **maxFilterOptions**  
  Integer  
  The maximum number of values allowed in a dashboard filter.

- **name**  
  String  
  Dashboard name.

- **runningUser**  
  Running user  
  The running user, which is either specified at dashboard design time, or is overridden by the runningUser parameter specified in the GET request. For dynamic dashboards, this is always the current user.

**Components**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentData</td>
<td>Integer</td>
<td>Index into the component data array in the response body.</td>
</tr>
<tr>
<td>footer</td>
<td>String</td>
<td>Footer of the component.</td>
</tr>
<tr>
<td>header</td>
<td>String</td>
<td>Header of the component.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of the component.</td>
</tr>
</tbody>
</table>
| properties     | Properties (for Report component type)  
                  Properties (for Visualforce page component type) | Component properties, including type-specific visualization properties.  |
| reportId       | String                   | Unique identifier of the underlying report.                                 |
| title          | String                   | Title of the component                                                      |
| type           | String                   | Type of the component. Value can be:                                        |
|                |                          | - Report                                                                    |
|                |                          | - VisualforcePage                                                           |
|                |                          | If the component is an SControl, the value is not set.                      |
Properties (for Report component type)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| aggregates        | Array of strings      | Unique identities for summary or custom summary formula fields in the report. For example:  
  - a!Amount represents the average for the Amount column.  
  - s!Amount represents the sum of the Amount column.  
  - m!Amount represents the minimum value of the Amount column.  
  - x!Amount represents the maximum value of the Amount column.  
  - s!<customfieldID> represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.  
  - u!{column_name} represents a unique count of values for the specified {column_name}. For example, u!AccountName returns the number of unique account name values in the AccountName field. |
| autoSelectColumns | Boolean               | Indicates whether groupings and aggregates are automatically selected. Valid values are true and false. |
| drillUrl          | String                | Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or www., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set. |
| groupings         | Groupings             | Report groupings included in the dashboard. |
| maxRows           | Number                | Maximum number of rows to be rendered, based on the sort value. |
| reportFormat      | String                | The format of a dashboard’s source report. |
| sort              | Sort                  | Used in previous releases. In this release (v46.0) and later assign the value null, except for the following instances:  
  - Tabular lightning table format  
  - Top N source report for any chart type  
  In these two cases, the value matches the following object:  

```json
{
  "sort" : {
    "column" : "TYPE",
    "sortOrder" : "asc",
    "type" : "label"
  },
}
```
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>useReportChart</td>
<td>Boolean</td>
<td>Indicates whether the dashboard component uses the chart as defined in the report. Valid values are true and false.</td>
</tr>
<tr>
<td>visualizationProperties</td>
<td>Visualization properties (Chart)</td>
<td>Type-specific visualization properties.</td>
</tr>
<tr>
<td></td>
<td>Visualization properties (Table)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Visualization properties (FlexTable)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Visualization properties (Metric)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Visualization properties (Gauge)</td>
<td></td>
</tr>
<tr>
<td>visualizationType</td>
<td>String</td>
<td>Type of the component. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Bar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Column</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Donut</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Funnel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gauge</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Line</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Metric</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pie</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Scatter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Table</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• FlexTable (As of API Version 41.0)</td>
</tr>
</tbody>
</table>

**Sort**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>inheritedReportSort</td>
<td>String</td>
<td>For this release (v46.0) and later, keep the default value of null for this property and use sortOrder instead.</td>
</tr>
<tr>
<td>sortAggregate</td>
<td>String</td>
<td>Name of the aggregate by which the dashboard component sorts. If null, the dashboard component sorts by label or matches/inverts the report's sort order.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Specifies whether the dashboard component sorts in ascending (Asc) or descending (Desc) order.</td>
</tr>
</tbody>
</table>
### Visualization properties (Chart)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>axisRange</td>
<td>String</td>
<td>Range of values specified for the axis.</td>
</tr>
<tr>
<td>decimalPrecision</td>
<td>Integer</td>
<td>The number of decimal places included in a dashboard metric, chart, or table, 0–5. If -1 or null, Salesforce automatically sets the number of decimal places.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• auto — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hundreds — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thousands — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• millions — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• billions — Display as multiples of 1,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• trillions — Display as multiples of 1,000,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null — Customizing how numbers display isn’t applicable.</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set.</td>
</tr>
<tr>
<td>groupByType</td>
<td>String</td>
<td>Type of second-level grouping.</td>
</tr>
<tr>
<td>legendPosition</td>
<td>String</td>
<td>Position of legend on the grid. Valid values are bottom, right, and none.</td>
</tr>
<tr>
<td>showValues</td>
<td>Boolean</td>
<td>Indicates whether to include values in the chart. Valid values are true and false.</td>
</tr>
</tbody>
</table>

### Visualization properties (Table)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>breakPoints</td>
<td>Break point[]</td>
<td>Break points for the table component.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
</tbody>
</table>
### Property | Type | Description
--- | --- | ---
| **auto** | String | Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.
| **hundreds** | String | Display as multiples of 100.
| **thousands** | String | Display as multiples of 1,000.
| **millions** | String | Display as multiples of 1,000,000.
| **billions** | String | Display as multiples of 1,000,000,000.
| **trillions** | String | Display as multiples of 1,000,000,000,000.
| **null** | String | Customizing how numbers display isn't applicable.

**drillURL** | String | Specifies a custom link destination from a dashboard component. If `drillURL` begins with `https://` or `http://` or `www.`, then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce.
Null if no link is set.

**tableColumns** | Table columns[] | Columns of the table component.

### Visualization properties (Metric)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>breakPoints</strong></td>
<td>Break point[]</td>
<td>Break points for the metric component.</td>
</tr>
</tbody>
</table>
| **displayUnits** | String | Specify how to display numbers. Possible values are:
- **whole** — Display the true value of the number without rounding it.
- **auto** — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.
- **hundreds** — Display as multiples of 100.
- **thousands** — Display as multiples of 1,000.
- **millions** — Display as multiples of 1,000,000.
- **billions** — Display as multiples of 1,000,000,000.
- **trillions** — Display as multiples of 1,000,000,000,000.
- **null** — Customizing how numbers display isn't applicable.
| **drillURL** | String | Specifies a custom link destination from a dashboard component. If `drillURL` begins with `https://` or `http://` or `www.`, then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. |
### Visualization properties (Gauge)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>metricLabel</td>
<td>String</td>
<td>Label for the metric component.</td>
</tr>
<tr>
<td>breakPoints</td>
<td>Break point[]</td>
<td>Break points for the gauge component.</td>
</tr>
<tr>
<td>displayUnits</td>
<td>String</td>
<td>Specify how to display numbers. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• whole — Display the true value of the number without rounding it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• auto — Display the number rounded to the nearest thousand, million, etc. and displayed as a shortened value. For example, 1,876 displays as 1.9k. In calculating summaries, the true value of the number (1,876) is used, even if 1.9k is displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hundreds — Display as multiples of 100.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• thousands — Display as multiples of 1,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• millions — Display as multiples of 1,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• billions — Display as multiples of 1,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• trillions — Display as multiples of 1,000,000,000,000.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null — Customizing how numbers display isn’t applicable.</td>
</tr>
<tr>
<td>drillURL</td>
<td>String</td>
<td>Specifies a custom link destination from a dashboard component. If drillURL begins with https:// or http:// or <a href="http://www">www</a>., then the link directs to a website outside of Salesforce. Otherwise, the destination is a site inside Salesforce. Null if no link is set.</td>
</tr>
<tr>
<td>showPercentages</td>
<td>Boolean</td>
<td>Specify whether percentages are displayed (true) or not (false)</td>
</tr>
<tr>
<td>showTotal</td>
<td>Boolean</td>
<td>Indicates whether the total is displayed (true) or not (false).</td>
</tr>
</tbody>
</table>

### Properties (for Visualforce page component type)

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pageName</td>
<td>String</td>
<td>Developer name of the Visualforce page.</td>
</tr>
<tr>
<td>height</td>
<td>String</td>
<td>Height of the Visualforce page, in pixels.</td>
</tr>
</tbody>
</table>
## Filters

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>errorMessage</td>
<td>String</td>
<td>If there is no error with a dashboard filter, then null. Otherwise, the error message is returned.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Localized display name of filter.</td>
</tr>
<tr>
<td>options</td>
<td>Filter option</td>
<td>Ordered array of possible filter options.</td>
</tr>
<tr>
<td>selectedOption</td>
<td>Integer</td>
<td>Index of the selected option from the options array. This matches the selection that was made based on the filter1, filter2, or filter3 parameter. Value is null if no option is selected.</td>
</tr>
</tbody>
</table>

### Filter option

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>alias</td>
<td>String</td>
<td>Optional alias of the filter option.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique identifier of the filter option. Used as a value for the filter1, filter2, and filter3 parameters.</td>
</tr>
</tbody>
</table>
| operation  | String| Unique API name for the filter operation. Valid filter operations depend on the data type of the filter field. Value can be:  
  - equals  
  - notEqual  
  - lessThan  
  - greaterThan  
  - lessOrEqual  
  - greaterOrEqual  
  - contains  
  - notContain  
  - startsWith  
  - includes  
  - excludes  
  - within  
  - between  
| value      | String| Value to filter on. Used for all operations except between.                  |
| startValue | String| Start value when using a between operation. Not set for all other operations. |
| endValue   | String| End value when using a between operation. Not set for all other operations.  |
### Layout

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>columns</td>
<td>Columns[]</td>
<td>Dashboard layout columns. Can have 2 or 3 columns, including empty columns. This property is available only if the dashboard was created using Salesforce Classic.</td>
</tr>
<tr>
<td>components</td>
<td>Components</td>
<td>Layout for dashboards. This property is available only if the dashboard was created using Lightning Experience.</td>
</tr>
</tbody>
</table>

### Columns

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>components</td>
<td>Integer[]</td>
<td>Ordered list of components in a column (top to bottom). Components are represented by indices into the array of components in the dashboard metadata object.</td>
</tr>
</tbody>
</table>

### Components

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>colspan</td>
<td>Integer</td>
<td>Width of component in columns. For example, if colspan=3, then the component spans 3 columns.</td>
</tr>
<tr>
<td>rowspan</td>
<td>Integer</td>
<td>Height of component in rows. For example, if rowspan=4, then the component spans 4 rows.</td>
</tr>
<tr>
<td>column</td>
<td>String</td>
<td>Column position on the grid.</td>
</tr>
<tr>
<td>row</td>
<td>String</td>
<td>Row position on the grid.</td>
</tr>
</tbody>
</table>

### Running user

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>displayName</td>
<td>String</td>
<td>Display name of running user.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Returns the ID of the running user specified for the dashboard. If the dashboard is configured to run as the viewing user, returns the user ID of the dashboard creator.</td>
</tr>
</tbody>
</table>

### Dashboard Status

Returns the status for the specified dashboard.
Syntax

**URI**

`/vXX.X/analytics/dashboards/{dashboardID}/status`

Or, with optional parameters:

`/vXX.X/analytics/dashboards/{dashboardID}/status?
runningUser={runningUserID}&
filter1={filter1ID}&
filter2={filter2ID}&
filter3={filter3ID}`

**Formats**

JSON

**HTTP methods**

GET

**Authentication**

Authorization: Bearer *token*

**Parameters**

The following optional parameters can be used with the GET method:

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>runningUser</td>
<td>ID of the running user. Gives an error if the user is not allowed to change the running user, or if the selected running user is invalid.</td>
</tr>
<tr>
<td>filter1</td>
<td>ID of the selected filter option for the first filter. Gives an error if the filter option is invalid.</td>
</tr>
<tr>
<td>filter2</td>
<td>ID of the selected filter option for the second filter. Gives an error if the filter option is invalid.</td>
</tr>
<tr>
<td>filter3</td>
<td>ID of the selected filter option for the third filter. Gives an error if the filter option is invalid.</td>
</tr>
</tbody>
</table>

**Response body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentStatus</td>
<td>Component status with id[]</td>
<td>Status for each component of the dashboard. The order of the array is the same as in previous calls, unless the dashboard has changed in the meantime.</td>
</tr>
</tbody>
</table>

**Component status with id**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>componentId</td>
<td>String</td>
<td>Unique ID of the dashboard component.</td>
</tr>
<tr>
<td>refreshDate</td>
<td>Date and time string</td>
<td>Date and time of last refresh in ISO-8601 format.</td>
</tr>
<tr>
<td>refreshStatus</td>
<td>String</td>
<td>Refresh status of the component. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IDLE: The component is not currently being refreshed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• RUNNING: The component is currently being refreshed.</td>
</tr>
</tbody>
</table>
Dashboard Filter Options Analysis

Verifies that dashboard filter options are compatible with source report fields. Use this resource to testAvailable in API version 40.0 and later.

Syntax

URI

/vXX.X/analytics/dashboards/{dashboardID}/filteroptionsanalysis

Formats

JSON

HTTP methods

POST

Authentication

Authorization: Bearer token

POST Request Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| filterColumns | filterColumns[] | An array of fields from the source report which you check filter values against. Each object in the array has these properties:  
reportId   
The the source report's unique ID.  
name       
The report field's API name. |
| options    | options[] | An array of objects describing a dashboard filter. Each object has these properties:  
alias     
The display name of the filter value.  
operation  
The filter's operator.  
value      
The value applied by the filter.  
startValue 
If the filter includes a range (such as a date range), the start of the range. Otherwise, null.  
endValue   
If the filter includes a range (such as a date range), the end of the range. Otherwise, null. |
POST Response Body

If successful, returns an empty response.

Example POST Request

```json
{
    "filterColumns": [{
        "reportId": "00OR0000000P76tMAC",
        "name": "ACCOUNT_TYPE"
    }],
    "options": [{
        "alias": "New",
        "operation": "contains",
        "value": "New",
        "startValue": null,
        "endValue": null
    }]
}
```

Dashboard and Component Error Codes

Errors can occur at the dashboard level and at the component level.

Dashboard-level error messages are returned in the response header, and component-level error messages are returned as part of the component status object.

Dashboard-level errors

When a dashboard-level error occurs, the response header contains an HTTP response code and one of the following error messages:

<table>
<thead>
<tr>
<th>HTTP Response Code</th>
<th>Error Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>The running user for this dashboard doesn't have permission to run reports. Your system administrator should select a different running user for this dashboard.</td>
</tr>
<tr>
<td>400</td>
<td>The running user for this dashboard is inactive. Your system administrator should select an active user for this dashboard.</td>
</tr>
<tr>
<td>400</td>
<td>You don’t have permission to view data as this user.</td>
</tr>
<tr>
<td>400</td>
<td>Your organization has reached the limit for dynamic dashboards, or doesn’t have access. Ask your administrator to enable dynamic dashboards or convert them to dashboards with a specific running user.</td>
</tr>
<tr>
<td>400</td>
<td>The selected filter item isn’t valid.</td>
</tr>
<tr>
<td>400</td>
<td>You can’t refresh this dashboard. A refresh is already in progress.</td>
</tr>
</tbody>
</table>
Component-level errors

If an error occurs at the component level, the errorCode, errorMessage, and errorSeverity properties of the component status field are populated. The errorSeverity property distinguishes between errors and warnings. Errors are blocking issues that prevent the query from returning any data. Warnings are non-blocking issues; queries will finish, but they might return incomplete data. The following table shows the possible values for the error fields.

<table>
<thead>
<tr>
<th>errorCode</th>
<th>errorMessage</th>
<th>errorSeverity</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>This component must have a type and a data source.</td>
<td>Error</td>
</tr>
<tr>
<td>202</td>
<td>The source report isn’t available; it’s been deleted or isn’t in a folder accessible to the dashboard’s running user.</td>
<td>Error</td>
</tr>
<tr>
<td>203</td>
<td>This report can no longer be edited or run. Your administrator has disabled all reports for the custom or external object, or its relationships have changed.</td>
<td>Error</td>
</tr>
<tr>
<td>205</td>
<td>The source report is based on a report type that is inaccessible to the dashboard’s running user.</td>
<td>Error</td>
</tr>
<tr>
<td>208</td>
<td>Unable to run source report because its definition is invalid.</td>
<td>Error</td>
</tr>
<tr>
<td>209</td>
<td>This report cannot be used as the source for this component. If it is a summary or matrix report, add one or more groupings in the report. If it is a tabular report with a row limit, specify the Dashboard Settings in the report.</td>
<td>Error</td>
</tr>
<tr>
<td>210</td>
<td>This row-limited tabular report cannot be used as the source for this component. Use the dashboard component editor to specify the data you want to display, or specify the Dashboard Settings in the report.</td>
<td>Error</td>
</tr>
<tr>
<td>211</td>
<td>To use this row-limited tabular report as the source, edit the report and specify the Name and Value under Dashboard Settings. When updating the report, make sure you are the running user of the dashboard.</td>
<td>Error</td>
</tr>
<tr>
<td>212</td>
<td>Groupings and combination charts are not available for a row-limited tabular report. Set “Group By” to None and deselect “Plot Additional Values.”</td>
<td>Error</td>
</tr>
<tr>
<td>300</td>
<td>The results below may be incomplete because the underlying report produced too many summary rows, and the sort order of the component is different from the sort order in the underlying report. Try adding filters to the report to reduce the number of rows returned.</td>
<td>Error</td>
</tr>
<tr>
<td>301</td>
<td>Results may be incomplete because the source report had too many summary rows. Try filtering the report to reduce the number of rows returned.</td>
<td>Warning</td>
</tr>
<tr>
<td>302</td>
<td>The component can't be displayed because the source report exceeded the time limit.</td>
<td>Warning</td>
</tr>
<tr>
<td>303</td>
<td>The component can't be displayed because the source report failed to run.</td>
<td>Error</td>
</tr>
<tr>
<td>304</td>
<td>The component can't be displayed because the dashboard filter raises the number of source report filters above the limit. Reduce the number of report filters and try again.</td>
<td>Error</td>
</tr>
<tr>
<td>305</td>
<td>The component can't be displayed because the field(s) you chose for the filter are unavailable.</td>
<td>Error</td>
</tr>
<tr>
<td>308</td>
<td>You can’t filter this component because data is in the joined report format. To filter the component, change its report format.</td>
<td>Error</td>
</tr>
<tr>
<td>309</td>
<td>The underlying report uses a snapshot date that is out of range.</td>
<td>Error</td>
</tr>
</tbody>
</table>
Filter Operators

Use the Filter Operators API to get information about which filter operators are available for reports and dashboards. The Filter Operators API is available in API version 40.0 and later.

Resources for the Filter Operators API are available at `/services/data/<latest API version>/analytics/filteroperators`. You can query each resource with an HTTP method.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>/services/data/&lt;latest API version&gt;/analytics/filteroperators</code> and <code>/services/data/&lt;latest API version&gt;/analytics/filteroperators?forDashboards=true</code></td>
<td>GET</td>
<td>Returns a list of filter operators available for report filters. When <code>forDashboards</code> is <code>true</code>, returns a list of filter operators available for dashboard filters.</td>
</tr>
</tbody>
</table>

Filter Operator List

Return a list of filter operators.

Syntax

URI

`/vXX.X/analytics/reportTypes`

Formats

JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of filter operators.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>forDashboards</code></td>
<td>Optional. When <code>forDashboards</code> equals <code>true</code>, returns filter operators for dashboard filters. Otherwise, the GET response always returns filter operators for report filters.</td>
</tr>
</tbody>
</table>
GET Response Body

Returns an array of field data types. Each object contains the following fields:

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The end user-facing name of the operator.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>The API name of the operator.</td>
</tr>
</tbody>
</table>

Example GET Response Body

```json
{
  "date" : [ {
    "label" : "equals",
    "name" : "equals"
  }, {
    "label" : "not equal to",
    "name" : "notEqual"
  }, {
    "label" : "less than",
    "name" : "lessThan"
  }, {
    "label" : "greater than",
    "name" : "greaterThan"
  }, {
    "label" : "less or equal",
    "name" : "lessOrEqual"
  }, {
    "label" : "greater or equal",
    "name" : "greaterOrEqual"
  } ],
  "string" : [ {
    "label" : "equals",
    "name" : "equals"
  }, {
    "label" : "not equal to",
    "name" : "notEqual"
  }, {
    "label" : "less than",
    "name" : "lessThan"
  }, {
    "label" : "greater than",
    "name" : "greaterThan"
  }, {
    "label" : "less or equal",
    "name" : "lessOrEqual"
  }, {
    "label" : "greater or equal",
    "name" : "greaterOrEqual"
  }, {
    "label" : "contains",
    "name" : "contains"
  }
}
```
Filter Operator List

`, {
  "label" : "does not contain",
  "name" : "notContain"
}, {
  "label" : "starts with",
  "name" : "startsWith"
}, {
  "label" : "not equal to",
  "name" : "notEqual"
}, {
  "label" : "less than",
  "name" : "lessThan"
}, {
  "label" : "greater than",
  "name" : "greaterThan"
}, {
  "label" : "less or equal",
  "name" : "lessOrEqual"
}, {
  "label" : "greater or equal",
  "name" : "greaterOrEqual"
}, {
  "label" : "equals",
  "name" : "equals"
}, {
  "label" : "not equal to",
  "name" : "notEqual"
}, {
  "label" : "less than",
  "name" : "lessThan"
}, {
  "label" : "greater than",
  "name" : "greaterThan"
}, {
  "label" : "less or equal",
  "name" : "lessOrEqual"
}, {
  "label" : "greater or equal",
  "name" : "greaterOrEqual"
}, {
  "label" : "contains",
  "name" : "contains"
}, {
  "label" : "does not contain",
  "name" : "notContain"
}, {
  "label" : "starts with",
  "name" : "startsWith"
}`
"label" : "less than",
"name" : "lessThan"
},
  "label" : "greater than",
  "name" : "greaterThan"
},
  "label" : "less or equal",
  "name" : "lessOrEqual"
},
  "label" : "greater or equal",
  "name" : "greaterOrEqual"
},
  "label" : "contains",
  "name" : "contains"
},
  "label" : "does not contain",
  "name" : "notContain"
},
  "label" : "starts with",
  "name" : "startsWith"
]}
],
"int" : [ {
  "label" : "equals",
  "name" : "equals"
},
  "label" : "not equal to",
  "name" : "notEqual"
},
  "label" : "less than",
  "name" : "lessThan"
},
  "label" : "greater than",
  "name" : "greaterThan"
},
  "label" : "less or equal",
  "name" : "lessOrEqual"
},
  "label" : "greater or equal",
  "name" : "greaterOrEqual"
],
"reference" : [ {
  "label" : "equals",
  "name" : "equals"
},
  "label" : "not equal to",
  "name" : "notEqual"
]},
"label": "less than",
"name": "lessThan"
},
"label": "greater than",
"name": "greaterThan"
},
"label": "less or equal",
"name": "lessOrEqual"
},
"label": "greater or equal",
"name": "greaterOrEqual"
}
],
"boolean": [
{"label": "equals",
"name": "equals"
},
{"label": "not equal to",
"name": "notEqual"
}
],
"phone": [
{"label": "equals",
"name": "equals"
},
{"label": "not equal to",
"name": "notEqual"
}
],
"label": "less than",
"name": "lessThan"
},
{"label": "greater than",
"name": "greaterThan"
},
{"label": "less or equal",
"name": "lessOrEqual"
},
{"label": "greater or equal",
"name": "greaterOrEqual"
},
{"label": "contains",
"name": "contains"
},
{"label": "does not contain",
"name": "notContain"
},
{"label": "starts with",
"name": "startsWith"
}
],
"currency": [
{"label": "equals",
"name": "equals"
},
{"label": "not equal to",
"name": "notEqual"
}
]
"label" : "less than",
"name" : "lessThan"
],

},

"label" : "greater than",
"name" : "greaterThan"
],

"label" : "less or equal",
"name" : "lessOrEqual"
],

"label" : "greater or equal",
"name" : "greaterOrEqual"
}
],

"id" : [{
"label" : "equals",
"name" : "equals"
},

"label" : "not equal to",
"name" : "notEqual"
],

"label" : "starts with",
"name" : "startsWith"
}],

"email" : [{
"label" : "equals",
"name" : "equals"
},

"label" : "not equal to",
"name" : "notEqual"
},

"label" : "less than",
"name" : "lessThan"
],

"label" : "greater than",
"name" : "greaterThan"
],

"label" : "less or equal",
"name" : "lessOrEqual"
],

"label" : "greater or equal",
"name" : "greaterOrEqual"
],

"label" : "contains",
"name" : "contains"
],

"label" : "does not contain",
"name" : "notContain"
],

"label" : "starts with",
"name" : "startsWith"
}],

"multipicklist" : [{
"label" : "equals",
"name" : "equals"
},

}
## Folders

Use the Analytics Folders API to perform operations on report and dashboard folders. The Folders API is available in API version 41.0 and later.

Resources for the Analytics Folders API are available at `/services/data/<latest API version>/folders`. You can query each resource with an HTTP method.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Folder Collections</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/services/data/&lt;latest API version&gt;/folders/</td>
<td>POST, GET</td>
<td>Enables creation of report and dashboard folders and subfolders (POST). Gets the list of folders (GET).</td>
</tr>
<tr>
<td><strong>Folder Operations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/services/data/&lt;latest API version&gt;/folders/&lt;folderid&gt;</td>
<td>GET, PATCH, DELETE</td>
<td>Enables renaming (PATCH), deleting (DELETE), and obtaining information (GET) on the report or dashboard folder or subfolder.</td>
</tr>
<tr>
<td><strong>Folder Shares</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/services/data/&lt;latest API version&gt;/folders/&lt;folderid&gt;/shares</td>
<td>GET, PUT, POST</td>
<td>Extracts a list of current folder shares (GET), adds new shares (POST), or replaces existing shares (PUT).</td>
</tr>
<tr>
<td><strong>Folder Share by ID</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/services/data/&lt;latest API version&gt;/folders/&lt;folderid&gt;/shares/&lt;shareid&gt;</td>
<td>GET, PATCH, DELETE</td>
<td>For a specified share ID, extracts the share information (GET), updates the access level on the share (PATCH), or deletes the share (DELETE).</td>
</tr>
<tr>
<td><strong>Folder Share Recipients</strong></td>
<td>GET</td>
<td>Returns a list of folder share recipients (GET).</td>
</tr>
</tbody>
</table>
Folder Collections

Enables creation of report and dashboard folders and obtaining the list of folders.

The following user permissions are needed to access this resource.

POST:
- Create Dashboard Folders (for dashboard folders)
- Create Report Folders (for report folders)

GET:
- View access to the folder

Syntax

URI
/services/data/v43.0/folders/

Formats
JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>Creates a new folder with the specified name, label, and type.</td>
</tr>
<tr>
<td>GET</td>
<td>Gets the list of folders.</td>
</tr>
</tbody>
</table>

POST

Creates a new folder with the specified name, label, type, and parent ID (subfolders only).
/services/data/v43.0/folders/

Request Body

<table>
<thead>
<tr>
<th>Query Parameter Name</th>
<th>Group</th>
<th>Addie Version</th>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folder</td>
<td>Object</td>
<td>42.0, 43.0</td>
<td>FolderInputRepresentation</td>
<td>Specifies the folder name, label, type, and parent ID.</td>
</tr>
</tbody>
</table>
FolderInputRepresentation

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>42.0</td>
<td>Folder display name.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>42.0</td>
<td>Folder unique name. This is a mandatory field for admins; for non-admins, it is auto-generated.</td>
</tr>
<tr>
<td>type</td>
<td>ConnectFolderTypeEnum</td>
<td>42.0</td>
<td>Defined by the type of entity the folder contains.</td>
</tr>
<tr>
<td>parentId</td>
<td>String</td>
<td>43.0</td>
<td>ID of the parent folder. This field is valid only for subfolders.</td>
</tr>
</tbody>
</table>

ConnectFolderTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dashboard</td>
<td>Dashboard folders.</td>
</tr>
<tr>
<td>Document</td>
<td>Document folders.</td>
</tr>
<tr>
<td>Email</td>
<td>Email folders.</td>
</tr>
<tr>
<td>Insights</td>
<td>Insights folders.</td>
</tr>
<tr>
<td>Reports</td>
<td>Reports folders.</td>
</tr>
</tbody>
</table>

Sample Request Body

```
{
   "label": "report_folder",
   "name": "report_folder1",
   "type": "report",
   "parentId": "00lxx000000fffffff"
}
```

Sample Output Response

```
{
   "id" : "00lxx000000fffffff",
   "label" : "report_folder",
   "name" : "report_folder1",
   "shareRecipientsUrl" : "/services/data/v43.0/folders/00lxx000000fffffff/share-recipients?shareType=User&limit=100",
   "sharesUrl" : "/services/data/v43.0/folders/00lxx000000fffffff/shares",
   "supportedShareTypes" : [ "user", "role", "roleandsubordinates", "roleandsubordinatesinternal", "group", "portalrole", "portalroleandsubordinates", "customerportaluser" ],
   "type" : "report",
   "parentId" : "00lxx000000fffffff"
}
```
GET

Gets the list of report and dashboard folders.
/services/data/v43.0/folders/

Parameters

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>ConnectFolderTypeEnum</td>
<td>43.0</td>
<td>Defined by the type of entity the folder contains. If not specified, returns all visible folders. If specified, returns visible folders of the specified type.</td>
</tr>
<tr>
<td>page</td>
<td>Integer</td>
<td>43.0</td>
<td>Integer that indicates which page of results to return. Default is 1.</td>
</tr>
<tr>
<td>pageSize</td>
<td>Integer</td>
<td>43.0</td>
<td>Integer that indicates how many results to return per page. Default is 10.</td>
</tr>
</tbody>
</table>

Output Payload

FolderCollectionRepresentation

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folders</td>
<td>FolderSummaryRepresentation</td>
<td>43.0</td>
<td>Collection of folders.</td>
</tr>
<tr>
<td>totalSize</td>
<td>Integer</td>
<td>43.0</td>
<td>Size of the folder collection.</td>
</tr>
<tr>
<td>url</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL of the folder collection.</td>
</tr>
<tr>
<td>nextPageUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL to the next page in the collection.</td>
</tr>
<tr>
<td>previousPageUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL to the next page in the collection.</td>
</tr>
</tbody>
</table>

FolderSummaryRepresentation

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>ID</td>
<td>43.0</td>
<td>Unique identifier.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>43.0</td>
<td>Display label.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>43.0</td>
<td>Folder unique name.</td>
</tr>
<tr>
<td>namespace</td>
<td>String</td>
<td>43.0</td>
<td>Namespace prefix to differentiate custom object and field names from those in use by other organizations.</td>
</tr>
<tr>
<td>Field</td>
<td>Type</td>
<td>Available Version</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------</td>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>type</td>
<td>ConnectFolderTypeEnum</td>
<td>43.0</td>
<td>Defined by the type of entity the folder contains.</td>
</tr>
<tr>
<td>parentId</td>
<td>ID</td>
<td>43.0</td>
<td>ID of the parent folder.</td>
</tr>
<tr>
<td>url</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL of the folder.</td>
</tr>
<tr>
<td>childrenUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL that represents the first level subfolders of the specified folder.</td>
</tr>
<tr>
<td>depth</td>
<td>Int</td>
<td>43.0</td>
<td>Depth of the folder in the tree. A folder with depth 0 is the root folder.</td>
</tr>
</tbody>
</table>

Sample Output Response

```json
{
  "folders": [
    {
      "childrenUrl": "/services/data/v43.0/folders/00lRM000000jCWjYAM/children",
      "id": "00lRM000000jCWjYAM",
      "label": "Asia Sales",
      "name": "Asia_Sales",
      "type": "report",
      "url": "/services/data/v43.0/folders/00lRM000000jCWjYAM"
    },
    {
      "childrenUrl": "/services/data/v43.0/folders/00lRM000000jDmNYAU/children",
      "id": "00lRM000000jDmNYAU",
      "label": "Europe Sales",
      "name": "Europe_Sales",
      "type": "report",
      "url": "/services/data/v43.0/folders/00lRM000000jDmNYAU"
    },
    {
      "childrenUrl": "/services/data/v43.0/folders/00lRM000000jHKXYA2/children",
      "id": "00lRM000000jHKXYA2",
      "label": "North America Sales",
      "name": "North_America_Sales",
      "type": "report",
      "url": "/services/data/v43.0/folders/00lRM000000jHKXYA2"
    }
  ],
  "totalSize": 3,
  "url": "/services/data/v43.0/folders?page=1&pageSize=10"
}
```

Folder Operations

Enables renaming, deleting, and obtaining information on report and dashboard folders.

The following user permissions are needed to access this resource.

**GET:**
- View access for the folder

**PATCH/DELETE:**
Manage access for the folder

**Syntax**

**URI**

/services/data/v43.0/folders/<folderid>

**Formats**

JSON

**HTTP methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Gets information about the folder that has the specified folder ID.</td>
</tr>
<tr>
<td>PATCH</td>
<td>Updates the label or name of the folder with the specified folder ID.</td>
</tr>
<tr>
<td></td>
<td>• All users with manage access on the folder can change the folder label.</td>
</tr>
<tr>
<td></td>
<td>• Only admin users can change the folder name.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Deletes the folder that has the specified folder ID.</td>
</tr>
</tbody>
</table>

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folderId</td>
<td>Specifies a unique folder ID.</td>
</tr>
</tbody>
</table>

**GET**

Gets information about the folder that has the specified folder ID.

/services/data/v43.0/folders/<folderid>

**Output Payload**

FolderDetailRepresentation

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>42.0</td>
<td>Unique folder identifier.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>42.0</td>
<td>Folder display name.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>42.0</td>
<td>Folder unique name.</td>
</tr>
<tr>
<td>namespace</td>
<td>String</td>
<td>42.0</td>
<td>Namespace prefix to differentiate custom object and field names from those in use by other organizations.</td>
</tr>
<tr>
<td>type</td>
<td>ConnectFolderTypeEnum</td>
<td>42.0</td>
<td>Defined by the type of entity the folder contains.</td>
</tr>
<tr>
<td>Field</td>
<td>Type</td>
<td>Available Version</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>parentId</td>
<td>ID</td>
<td>43.0</td>
<td>ID of the parent folder.</td>
</tr>
<tr>
<td>url</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL of the folder: /services/data/v43.0/folders/&lt;folderid&gt;</td>
</tr>
<tr>
<td>childrenUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL that represents the first level subfolders of the specified folder: /services/data/v43.0/folders/&lt;folderid&gt;/children</td>
</tr>
<tr>
<td>depth</td>
<td>Integer</td>
<td>43.0</td>
<td>Depth of the folder in the tree. A folder with depth 0 is the root folder.</td>
</tr>
<tr>
<td>supportedShareTypes</td>
<td>List &lt;supportedShareTypes on page 181&gt;</td>
<td>43.0</td>
<td>List of supported share types for the folder in the organization.</td>
</tr>
<tr>
<td>sharesUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL of the shares for the particular folder: /services/data/v43.0/folders/&lt;folderid&gt;/shares</td>
</tr>
<tr>
<td>shareRecipientsUrl</td>
<td>ConnectUri</td>
<td>43.0</td>
<td>URL of the recipients of the share: /services/data/v43.0/folders/&lt;folderid&gt;/share-recipients</td>
</tr>
<tr>
<td>ancestors</td>
<td>List &lt;FolderSummaryRepresentation&gt;</td>
<td>43.0</td>
<td>This folder’s ancestor folders, ordered by depth.</td>
</tr>
</tbody>
</table>

**ConnectFolderTypeEnum**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dashboard</td>
<td>Dashboard folders.</td>
</tr>
<tr>
<td>Document</td>
<td>Document folders.</td>
</tr>
<tr>
<td>Email</td>
<td>Email folders.</td>
</tr>
<tr>
<td>Insights</td>
<td>Insights folders.</td>
</tr>
<tr>
<td>Reports</td>
<td>Reports folders.</td>
</tr>
</tbody>
</table>

**FolderSummaryRepresentation**

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>ID</td>
<td>43.0</td>
<td>Unique identifier.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>43.0</td>
<td>Display label.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>43.0</td>
<td>Folder unique name.</td>
</tr>
</tbody>
</table>
### Field Operations

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>namespace</td>
<td>String</td>
<td>43.0</td>
<td>Namespace prefix to differentiate custom object and field names from those in use by other organizations.</td>
</tr>
<tr>
<td>type</td>
<td>ConnectFolderTypeEnum</td>
<td>43.0</td>
<td>Defined by the type of entity the folder contains.</td>
</tr>
<tr>
<td>parentId</td>
<td>ID</td>
<td>43.0</td>
<td>ID of the parent folder.</td>
</tr>
<tr>
<td>url</td>
<td>Connect Uri</td>
<td>43.0</td>
<td>URL of the folder: /services/data/v43.0/folders/&lt;folderid&gt;</td>
</tr>
<tr>
<td>childrenUrl</td>
<td>Connect Uri</td>
<td>43.0</td>
<td>URL that represents the first level subfolders of the specified folder: /services/data/v43.0/folders/&lt;folderid&gt;/children</td>
</tr>
<tr>
<td>depth</td>
<td>Int</td>
<td>43.0</td>
<td>Depth of the folder in the tree. A folder with depth 0 is the root folder.</td>
</tr>
</tbody>
</table>

#### Sample Output Response

```json
{
  "ancestors": [],
  "childrenUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/children",
  "depth": 0,
  "id": "00lxx000000f1SFAAY",
  "label": "report_folder",
  "name": "report_folder1",
  "shareRecipientsUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/share-recipients?shareType=User&limit=100",
  "sharesUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/shares",
  "supportedShareTypes": [ "user", "role", "roleandsubordinates", "roleandsubordinatesinternal", "group", "portalrole", "portalroleandsubordinates", "customerportaluser" ],
  "type": "report",
  "url": "/services/data/v43.0/folders/00lxx000000f1SFAAY"
}
```

### PATCH

Updates the label or name of the folder with the specified folder ID.

- Users with manage access on the folder can change the folder label.
- Only admin users can change the folder name.

/services/data/v43.0/folders/<folderid>
Users with edit access on the folder can change `label`. Admins can change `name`. `type` cannot be changed.

### Sample Request Body

```json
{
    "label": "report_folder1",
    "name": "report_folder1"
}
```

### Sample Raw Response

```json
{
    "ancestors": [ ],
    "childrenUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/children",
    "depth": 0,
    "id": "00lxx000000f1SFAAY",
    "label": "report_folder1",
    "name": "report_folder1",
    "shareRecipientsUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/share-recipients?shareType=User&limit=100",
    "sharesUrl": "/services/data/v43.0/folders/00lxx000000f1SFAAY/shares",
    "supportedShareTypes": [ "user", "role", "roleandsubordinates",
    "roleandsubordinatesinternal", "group", "portalrole", "portalroleandsubordinates",
    "customerportaluser" ],
    "type": "report",
    "url": "/services/data/v43.0/folders/00lxx000000f1SFAAY"
}
```
DELETE

Deletes the folder that has the specified folder ID.

/services/data/v43.0/folders/<folderid>

Folder Shares

Extracts a list of current folder shares (GET), adds new shares (POST), or replaces existing shares (PUT).

The following user permissions are needed to access this resource.

POST/PUT:
- Manage access to the folder

GET:
- View access to the folder

Syntax

URI

/services/data/v41.0/folders/<folderId>/shares

Formats

JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of current folder shares.</td>
</tr>
<tr>
<td>PUT</td>
<td>Creates new shares to replace the existing shares in the share list for the folder.</td>
</tr>
<tr>
<td>POST</td>
<td>Creates new shares and appends them to the existing share list for the folder.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folderId</td>
<td>Perform the operation for this unique folder ID.</td>
</tr>
</tbody>
</table>

GET

Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>accessType</td>
<td>ConnectFolderAccessTypeEnum</td>
<td>Defined by the type of folder access.</td>
</tr>
<tr>
<td>shareId</td>
<td>ID</td>
<td>Unique identifier of the share.</td>
</tr>
<tr>
<td>shareType</td>
<td>ConnectFolderShareTypeEnum</td>
<td>Defined by the type of folder share.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>sharedWithId</td>
<td>ID</td>
<td>Unique identifier of the share recipient.</td>
</tr>
<tr>
<td>sharedWithLabel</td>
<td>String</td>
<td>Label of the share recipient.</td>
</tr>
<tr>
<td>url</td>
<td>ConnectUri</td>
<td>URL of the share.</td>
</tr>
</tbody>
</table>

### ConnectFolderAccessTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>View access to the folder.</td>
</tr>
<tr>
<td>Edit</td>
<td>Edit access to the folder.</td>
</tr>
<tr>
<td>Manage</td>
<td>Manage access to the folder.</td>
</tr>
</tbody>
</table>

### ConnectFolderShareTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group</td>
<td>Users in a specified public group.</td>
</tr>
<tr>
<td>Role</td>
<td>Users with a specified role.</td>
</tr>
<tr>
<td>RoleAndSubordinates</td>
<td>Users with a specified role and users with a role subordinate to that role.</td>
</tr>
<tr>
<td>RoleAndSubordinatesInternal</td>
<td>Users with a specified role and users with a role subordinate to that role, except public portal users.</td>
</tr>
<tr>
<td>Organization</td>
<td>All internal users.</td>
</tr>
<tr>
<td>AllPrmUsers</td>
<td>All PRM Portal users.</td>
</tr>
<tr>
<td>User</td>
<td>The specified individual user.</td>
</tr>
<tr>
<td>PartnerUser</td>
<td>The specified individual user of a partner portal.</td>
</tr>
<tr>
<td>AllCspUsers</td>
<td>All Customer Success Portal users.</td>
</tr>
<tr>
<td>CustomerPortalUser</td>
<td>The specified individual user of a customer portal.</td>
</tr>
<tr>
<td>PortalRole</td>
<td>Users with a specified role in a portal.</td>
</tr>
<tr>
<td>PortalRoleAndSubordinates</td>
<td>PortalRoleAndSubordinates. Portal users with a specified role, and portal users with a role subordinate to that role.</td>
</tr>
<tr>
<td>ChannelProgramGroup</td>
<td>PRM Portal users who are members of the specified channel programs and levels group.</td>
</tr>
</tbody>
</table>
Output Example 1
Sample raw response for a folder not shared with anyone.

```
{
  "shares" : []
}
```

Output Example 2
Sample raw response for a folder shared with two users and a public group.

```
{
  "shares" : [ { 
    "accessType" : "view",
    "shareId" : "0AFR00000004LtpOAE",
    "shareType" : "group",
    "shareWithId" : "00GR0000000Mi1nMAC",
    "shareWithLabel" : "Demo Group",
    "url" : "/services/data/v41.0/folders/00lR0000000MQT5IAO/shares/0AFR00000004LtpOAE"
  }, { 
    "accessType" : "edit",
    "shareId" : "0AFR00000004LtkOAE",
    "shareType" : "user",
    "shareWithId" : "005R0000000Kg8yIAC",
    "shareWithLabel" : "Brian Alison",
    "url" : "/services/data/v41.0/folders/00lR0000000MQT5IAO/shares/0AFR00000004LtkOAE"
  }, { 
    "accessType" : "manage",
    "shareId" : "0AFR00000004LtlOAE",
    "shareType" : "user",
    "shareWithId" : "005R0000000Kg8cIAC",
    "shareWithLabel" : "Fred Williamson",
    "url" : "/services/data/v41.0/folders/00lR0000000MQT5IAO/shares/0AFR00000004LtlOAE"
  } ]
}
```

PUT/POST

Request Body

<table>
<thead>
<tr>
<th>Query Param Name</th>
<th>Group</th>
<th>Available Version</th>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folder</td>
<td>Object</td>
<td>41.0</td>
<td>FolderSharesInputRepresentation</td>
<td>Folder input representation containing a list of shares.</td>
</tr>
</tbody>
</table>

Sample Request Body

```
{
  "shares" : [ { 
    "accessType" : "view",
    "shareType" : "group",
    "shareWithId" : "00GR0000000Mi1nMAC"
  } ]
}
```
Folder Share by ID

For a specified share ID, extracts folder share information (GET), updates the access level on the share (PATCH), or deletes the share (DELETE).

The following user permissions are needed to access this resource.

PATCH/DELETE:
- Manage access to the folder

GET:
- View access to the folder

Syntax

URI
/services/data/v41.0/folders/<folderId>/shares/<shareId>

Formats
JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns information for the specified folder share.</td>
</tr>
<tr>
<td>PATCH</td>
<td>Updates the access level on the specified folder share.</td>
</tr>
<tr>
<td>POST</td>
<td>Deletes the specified folder share.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folderId</td>
<td>ID of the folder containing the share.</td>
</tr>
<tr>
<td>shareId</td>
<td>Perform the operation for this unique folder share ID.</td>
</tr>
</tbody>
</table>
GET

Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>accessType</td>
<td>ConnectFolderAccessTypeEnum</td>
<td>Defined by the type of folder access.</td>
</tr>
<tr>
<td>shareId</td>
<td>ID</td>
<td>Unique identifier of the share.</td>
</tr>
<tr>
<td>shareType</td>
<td>ConnectFolderShareTypeEnum</td>
<td>Defined by the type of folder share.</td>
</tr>
<tr>
<td>sharedWithId</td>
<td>ID</td>
<td>Unique identifier of the share recipient.</td>
</tr>
<tr>
<td>sharedWithLabel</td>
<td>String</td>
<td>Label of the share recipient.</td>
</tr>
<tr>
<td>url</td>
<td>ConnectUri</td>
<td>URL of the share.</td>
</tr>
</tbody>
</table>

ConnectFolderAccessTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>View access to the folder.</td>
</tr>
<tr>
<td>Edit</td>
<td>Edit access to the folder.</td>
</tr>
<tr>
<td>Manage</td>
<td>Manage access to the folder.</td>
</tr>
</tbody>
</table>

ConnectFolderShareTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group</td>
<td>Users in a specified public group.</td>
</tr>
<tr>
<td>Role</td>
<td>Users with a specified role.</td>
</tr>
<tr>
<td>RoleAndSubordinates</td>
<td>Users with a specified role and users with a role subordinate to that role.</td>
</tr>
<tr>
<td>RoleAndSubordinatesInternal</td>
<td>Users with a specified role and users with a role subordinate to that role, except public portal users.</td>
</tr>
<tr>
<td>Organization</td>
<td>All internal users.</td>
</tr>
<tr>
<td>AllPrmUsers</td>
<td>All PRM Portal users.</td>
</tr>
<tr>
<td>User</td>
<td>The specified individual user.</td>
</tr>
<tr>
<td>PartnerUser</td>
<td>The specified individual user of a partner portal.</td>
</tr>
<tr>
<td>AllCspUsers</td>
<td>All Customer Success Portal users.</td>
</tr>
<tr>
<td>CustomerPortalUser</td>
<td>The specified individual user of a customer portal.</td>
</tr>
<tr>
<td>PortalRole</td>
<td>Users with a specified role in a portal.</td>
</tr>
<tr>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------</td>
</tr>
<tr>
<td>PortalRoleAndSubordinates</td>
<td>PortalRoleAndSubordinates. Portal users with a specified role, and portal users with a role subordinate to that role.</td>
</tr>
<tr>
<td>ChannelProgramGroup</td>
<td>PRM Portal users who are members of the specified channel programs and levels group.</td>
</tr>
</tbody>
</table>

Output Example

```json
{
    "shareId" : "004xx000001Sy1GAAS",
    "accessType" : "manage",
    "shareType" : "user",
    "sharedWithId" : "005xx000001Sy1GAAS",
    "sharedWithLabel" : "User1"
}
```

**PATCH**

Request Body

<table>
<thead>
<tr>
<th>Query Param Name</th>
<th>Group</th>
<th>Available Version</th>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folder</td>
<td>Object</td>
<td>41.0</td>
<td>FolderShareInputRepresentation</td>
<td>Folder share input representation.</td>
</tr>
</tbody>
</table>

**FolderShareInputRepresentation**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>shareWithId</td>
<td>ID</td>
<td>41.0</td>
<td>ID of the entity that the folder can be shared with.</td>
</tr>
<tr>
<td>accessType</td>
<td>CorrectFolderAccessTypeEnum</td>
<td>41.0</td>
<td>The access type for the recipient entity on the folder.</td>
</tr>
<tr>
<td>shareType</td>
<td></td>
<td>41.0</td>
<td>The type of the entity that the folder can be shared with.</td>
</tr>
</tbody>
</table>

Sample Request Body

```json
{
    "accessType" : "manage",
    "shareType" : "user",
    "shareWithId" : "005R0000000Kg8yIAC"
}
```

**DELETE**

Deletes the folder share that has the specified folder ID.

/services/data/v43.0/folders/<folderid>/shares/<shareId>
Folder Share Recipients

Return a list of folder share recipients.

The following user permissions are needed to access this resource:

- View access to the folder

Syntax

URI

/services/data/v41.0/folders/<folderId>/share-recipients?shareType=<shareType>

Formats

JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of recipients with whom the folder can be shared.</td>
</tr>
</tbody>
</table>

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>folderId</td>
<td>Return data for this unique folder ID.</td>
<td></td>
</tr>
<tr>
<td>shareType</td>
<td>Return data for the recipients of the specified type, such as user, group, or role.</td>
<td>User</td>
</tr>
<tr>
<td>searchTerm</td>
<td>Search to match share recipients names.</td>
<td>&quot;*&quot;</td>
</tr>
<tr>
<td>limit</td>
<td>Limit to the number of search results.</td>
<td>100</td>
</tr>
</tbody>
</table>

GET

Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>shareRecipients</td>
<td>List&lt;FolderShareRecipientRepresentation&gt;</td>
<td>List of recipients along with their share type.</td>
<td></td>
</tr>
<tr>
<td>shareType</td>
<td>ConnectFolderShareTypeEnum</td>
<td>Defined by the type of folder share.</td>
<td></td>
</tr>
<tr>
<td>shareWithId</td>
<td>ID</td>
<td>Return the URL for share recipients.</td>
<td></td>
</tr>
<tr>
<td>shareWithLabel</td>
<td>String</td>
<td>Label of the folder share recipient.</td>
<td></td>
</tr>
</tbody>
</table>
FolderShareRecipientRepresentation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>shareWithId</td>
<td>ID</td>
<td>41.0</td>
<td>The ID of the folder share recipient.</td>
</tr>
<tr>
<td>shareWithLabel</td>
<td>String</td>
<td>41.0</td>
<td>The label of the folder share recipient.</td>
</tr>
<tr>
<td>shareType</td>
<td>ConnectFolderShareTypeEnum</td>
<td>41.0</td>
<td>The share type of the recipient.</td>
</tr>
<tr>
<td>imageUrl</td>
<td>ConnectUri</td>
<td>42.0</td>
<td>The url of the image for the recipient.</td>
</tr>
<tr>
<td>imageColor</td>
<td>String</td>
<td>42.0</td>
<td>The color of the image for the recipient.</td>
</tr>
</tbody>
</table>

ConnectFolderShareTypeEnum

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group</td>
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<td>Users with a specified role in a portal.</td>
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<tr>
<td>PortalRoleAndSubordinates</td>
<td>PortalRoleAndSubordinates. Portal users with a specified role, and portal users with a role subordinate to that role.</td>
</tr>
<tr>
<td>ChannelProgramGroup</td>
<td>PRM Portal users who are members of the specified channel programs and levels group.</td>
</tr>
</tbody>
</table>

Output Example 1

Get share recipients of type `user`.

/services/data/v41.0/folders/00lR0000000MQT5IAO/share-recipients?shareType=User

```json
{
    "shareRecipients": [ {
        "shareType": "user",
        "shareWithId": "005R0000000Kg8wIAC",
```
"shareWithLabel" : "Hank Chen"
],
"shareType" : "user",
"shareWithId" : "005R0000000Ku6IAK",
"shareWithLabel" : "Integration User"
},
"shareType" : "user",
"shareWithId" : "005R0000000Kg8xIAC",
"shareWithLabel" : "Nadia Smith"
},
"shareType" : "user",
"shareWithId" : "005R0000000Kg8zIAC",
"shareWithLabel" : "Sarah Vasquez"
]}

Output Example 2

Search for share recipients of type Public Group, with search term Group.

/services/data/v41.0/folders/00lR0000000MQT5IAO/share-recipients?shareType=Group&searchTerm=Group
{
"shareRecipients" : [ {  
"shareType" : "group",
"shareWithId" : "00GR0000000EypUMAS",
"shareWithLabel" : "Finance"
}, {  
"shareType" : "group",
"shareWithId" : "00GR0000000EypeMAC",
"shareWithLabel" : "Marketing"
}, {  
"shareType" : "group",
"shareWithId" : "00GR0000000NvpIMAS",
"shareWithLabel" : "Products"
}, {  
"shareType" : "group",
"shareWithId" : "00GR0000000EypZMAS",
"shareWithLabel" : "Sales"
}, {  
"shareType" : "group",
"shareWithId" : "00GR0000000EypjMAC",
"shareWithLabel" : "Technology"
} ]
}

Folder Child Operations

Gets information about the child folders of the specified folder.

The following user permissions are needed to access this resource.

GET:
- View access to the root folder in the tree
## Syntax

### URI
/services/data/v43.0/folders/<folderId>/children

### Formats
JSON

### HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Gets information about the child folders of the specified folder.</td>
</tr>
</tbody>
</table>

## Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Available Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folderId</td>
<td>String</td>
<td>42.0</td>
<td>Return data for this unique folder ID.</td>
</tr>
<tr>
<td>page</td>
<td>Integer</td>
<td>43.0</td>
<td>Integer that indicates which page of results to return. Default is 1.</td>
</tr>
<tr>
<td>pageSize</td>
<td>Integer</td>
<td>43.0</td>
<td>Integer that indicates how many results each page returns. Default is 10.</td>
</tr>
</tbody>
</table>

## GET

Gets information about the child folders of the specified folder.
/services/data/v43.0/folders/<folderId>/children

## Output Payload

FolderCollectionRepresentation

## Sample Output Response

```json
{
    "folders" : [ {
        "childrenUrl" : "/services/data/v43.0/folders/00lR0000000Mf56IAC/children",
        "id" : "00lR0000000Mf56IAC",
        "label" : "BW33",
        "parentFolderId" : "00lR0000000E84WIAS",
        "type" : "report",
        "url" : "/services/data/v43.0/folders/00lR0000000Mf56IAC"
    } ],
    "totalSize" : 1,
    "url" : "/services/data/v43.0/folders/00lR0000000E84WIAS/children?page=1&pageSize=10"
}
```
Reports

Resources for the Reports API are available at /services/data/<latest API version>/analytics/reports. You can query each resource with a HTTP method (such as GET). Use these resources to integrate report data directly into your applications.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report</td>
<td>PATCH</td>
<td>Saves changes to a report.</td>
</tr>
<tr>
<td></td>
<td>DELETE</td>
<td>Deletes a report.</td>
</tr>
<tr>
<td>Describe</td>
<td>GET</td>
<td>Gives report metadata. This includes information about fields that are defined in the report as detail columns, summaries, custom summary formulas, filters, and groupings.</td>
</tr>
<tr>
<td>Execute Sync</td>
<td>GET</td>
<td>Gives report summary level data with or without details.</td>
</tr>
<tr>
<td></td>
<td>POST</td>
<td>Returns specific results if you define dynamic filters, groupings, or aggregates in the metadata of a POST request.</td>
</tr>
<tr>
<td>Execute Async</td>
<td>POST</td>
<td>Returns an instance that stores summary level data with or without details for a report run asynchronously. To get specific results, define filters in the metadata of the request.</td>
</tr>
<tr>
<td>Instances List</td>
<td>GET</td>
<td>List of instances of a report that were requested for an asynchronous run.</td>
</tr>
<tr>
<td>Instance Results</td>
<td>GET</td>
<td>Depending on the type of your request, gives summary level data with or without details for an instance of a report run asynchronously.</td>
</tr>
<tr>
<td>Report List</td>
<td>GET</td>
<td>List of reports that were recently viewed by the API user.</td>
</tr>
<tr>
<td></td>
<td>POST</td>
<td>Makes a copy of a report.</td>
</tr>
<tr>
<td>Report Fields</td>
<td>POST</td>
<td>If the request body is empty, returns a list of all possible report fields. Otherwise, returns a list of fields that specified reports share. Use the fields resource to determine the best fields for use in dashboard filters.</td>
</tr>
</tbody>
</table>

Report

Saves changes to a report or deletes a report.
Resource URL

<table>
<thead>
<tr>
<th>Data</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>/services/data/&lt;latest API version&gt;/analytics/reports/&lt;report ID&gt;</td>
</tr>
</tbody>
</table>

Formats

JSON

HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATCH</td>
<td>Saves changes to a report. See this example.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Deletes a report. See this example.</td>
</tr>
</tbody>
</table>

PATCH Request Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregates</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• a!Amount represents the average for the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• s!Amount represents the sum of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• m!Amount represents the minimum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• x!Amount represents the maximum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• s!&lt;customfieldID&gt; represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• u!{column_name} represents a unique count of values for the specified {column_name}. For example, u!AccountName returns the number of unique account name values in the AccountName field.</td>
</tr>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter on page 209[]</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula on page 209[]</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Note:</strong> When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField&lt; (ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField&lt; (ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
</tbody>
</table>
| reportBooleanFilter       | String                        | Logic to parse custom field filters. Value is null when filter logic is not specified. This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, "(1 OR 2) AND 3."

```json
{
  ...
  "reportBooleanFilter": "(1 OR 2) AND 3",
  "reportFilters": [  
    {
      "value": "Analyst,Integrator,Press,Other",
      "column": "TYPE",
      "operator": "notEqual"
    },
    {
      "value": "100,000",
      "column": "SALES",
      "operator": "greaterThan"
    },
    {
      "value": "Small",
      "column": "Size",
      "operator": "notEqual"
    }
  ]
}
```

<p>| reportFilters             | Filter details[]              | List of each custom filter in the report along with the field name, filter operator, and filter value. |
| reportFormat              | String                        | Format of the report. Possible values are:                                     |
|                           |                               | • TABULAR                                                                    |
|                           |                               | • SUMMARY                                                                    |
|                           |                               | • MATRIX                                                                     |
|                           |                               | • MULTI_BLOCK                                                                |
|                           |                               | The MULTI_BLOCK property is available in API version 43.0 and later.          |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type. Type: Of type string, this is the unique identifier of the report type. Label: Of type string, this is the display name of the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties: Column: API name of the date field on which you filter the report data. DurationValue: The range for which you want to run the report. The value is a date literal or 'CUSTOM.' StartDate: Start date. EndDate: End date.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If specified, a role hierarchy filter is applied to the report. If unspecified, no role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

**PATCH Response Body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportMetadata</td>
<td>Report metadata</td>
<td>Unique identifiers for groupings and summaries.</td>
</tr>
</tbody>
</table>
### Report metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregates</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (a!\text{Amount}) represents the average for the (\text{Amount}) column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (s!\text{Amount}) represents the sum of the (\text{Amount}) column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (m!\text{Amount}) represents the minimum value of the (\text{Amount}) column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (x!\text{Amount}) represents the maximum value of the (\text{Amount}) column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (s!&lt;\text{customfieldID}&gt;) represents the sum of a custom field column. For custom fields and custom report types, the identity is a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>combination of the summary type and the field ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• (u!{\text{column_name}}) represents a unique count of values for the specified ({\text{column_name}}). For example, (u!\text{AccountName}) returns the number of unique account name values in the \text{AccountName} field.</td>
</tr>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter on page 198</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula on page 198</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is \text{null} if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report. <strong>Note:</strong> When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
</tbody>
</table>
| groupingsAcross          | Groupings across[]          | Unique identities for each column grouping in a report. The identity is:  
  • An empty array for reports in summary format as it can’t have column groupings.  
  • BucketField_(ID) for bucket fields.  
  • ID of a custom field when the custom field is used for a column grouping. |
| groupingsDown            | Groupings down[]            | Unique identities for each row grouping in a report. The identity is:  
  • BucketField_(ID) for bucket fields.  
  • ID of a custom field when the custom field is used for grouping. |
<p>| hasDetailRows            | Boolean                     | Indicates whether to include detailed data with the summary data.                                                                                                                                                                                                                  |
| hasRecordCount           | Boolean                     | Indicates whether the report shows the record count.                                                                                                                                                                                                                              |
| historicalSnapshotDates  | Array of strings             | List of historical snapshot dates.                                                                                                                                                                                                                                               |
| id                       | String                      | Unique report ID.                                                                                                                                                                                                                                                                 |
| name                     | String                      | Display name of the report.                                                                                                                                                                                                                                                          |
| presentationOptions      | Report presentation options | Display options in the Lightning Report Builder.                                                                                                                                                                                                                                 |
| reportBooleanFilter      | String                      | Logic to parse custom field filters. Value is null when filter logic is not specified. This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual... |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportFilters</td>
<td>Filter details[]</td>
<td>List of each custom filter in the report along with the field name, filter operator, and filter value.</td>
</tr>
<tr>
<td>reportFormat</td>
<td>String</td>
<td>Format of the report. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TABULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SUMMARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MATRIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MULTI_BLOCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The MULTI_BLOCK property is available in API version 43.0 and later.</td>
</tr>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
</tbody>
</table>
## Property

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>column: API name of the date field on which you filter the report data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>durationValue: The range for which you want to run the report. The value is a date literal or 'CUSTOM.'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>startDate: Start date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>endDate: End date.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter. If specified, a role hierarchy filter is applied to the report. If unspecified, no role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

## Chart

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>chartType</td>
<td>String</td>
<td>Type of chart.</td>
</tr>
<tr>
<td>groupings</td>
<td>String</td>
<td>Report grouping.</td>
</tr>
<tr>
<td>hasLegend</td>
<td>Boolean</td>
<td>Indicates whether the report has a legend.</td>
</tr>
<tr>
<td>showChartValues</td>
<td>Boolean</td>
<td>Indicates whether the report shows chart values.</td>
</tr>
<tr>
<td>summaries</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• a!Amount represents the average for the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• s!Amount represents the sum of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• m!Amount represents the minimum value of the Amount column.</td>
</tr>
</tbody>
</table>

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### Description

- `x!Amount` represents the maximum value of the `Amount` column.
- `s!<customfieldID>` represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.

### summaryAxisLocations

**Property** | **Type** | **Description**
---|---|---
summaryAxisLocations | String | Specifies the axis that shows the summary values. Valid values are `X` and `Y`.

### title

**Property** | **Type** | **Description**
---|---|---
**title** | String | Name of the chart.

### Groupings down

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>name</strong></td>
<td>String</td>
<td>API name of the field used as a row grouping.</td>
</tr>
<tr>
<td><strong>sortOrder</strong></td>
<td>String</td>
<td>Order in which data is sorted within a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Asc for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Desc for descending order.</td>
</tr>
<tr>
<td><strong>dateGranularity</strong></td>
<td>String</td>
<td>Interval set on a date field that’s used as a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month in Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Day in Month</td>
</tr>
</tbody>
</table>

| **sortAggregate** | String | Summary field that’s used to sort data within a grouping in a report that’s in summary format. Applies if you have the Aggregate Sort feature enabled as part of its pilot program. The value is null when data within a grouping is not sorted by a summary field. In this example, data grouped by Account Owner is sorted by the sum of Annual Revenue. |

```json
{
    "aggregates": ["s!SALES","RowCount"],
    "groupingsDown": [
    {
        "name": "USERS.NAME",
```
### Report presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasStackedSummaries</td>
<td>Boolean</td>
<td>Indicates whether stacked summaries are enabled in the report.</td>
</tr>
<tr>
<td>historicalColumns</td>
<td>Historical column presentation options</td>
<td>Presentation options of the historical column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Historical column presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decreaseIsPositive</td>
<td>Boolean</td>
<td>Indicates whether a negative change (decrease in value) is displayed in green instead of red in Lightning Report Builder.</td>
</tr>
<tr>
<td>showChanges</td>
<td>Boolean</td>
<td>Indicates whether to display a change column for a given historical column.</td>
</tr>
</tbody>
</table>

#### Groupings across

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a column grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Asc for ascending order.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| dateGranularity | String| Interval set on a date field used as a column grouping. Value can be:  
  • Day  
  • Calendar Week  
  • Calendar Month  
  • Calendar Quarter  
  • Calendar Year  
  • Fiscal Quarter  
  • Fiscal Year  
  • Calendar Month in Year  
  • Calendar Day in Month |

**Filter details**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>column</td>
<td>String</td>
<td>Unique API name for the field that's being filtered.</td>
</tr>
</tbody>
</table>
| filterType | String | Describes the type of value used to filter report data. Valid values are:  
  • fieldToField—Filters report data by comparing values of one field with the values of a second field.  
  • fieldValue—Filters report data by comparing values of a field with a defined value.  
  • null—If null, the filterType defaults to fieldValue. |

In this example, the first filter is a field-to-field filter that compares the Amount field with Projected Amount field. The second filter is a field filter that returns records for which a row-level formula returns more than 0.

```json
"reportFilters" : [  
  {  
    "column" : "AMOUNT",  
    "filterType" : "fieldToField",  
    "isRunPageEditable" : true,  
    "operator" : "notEqual",  
    "value" : "PROJECTED_AMOUNT"  
  },  
  {  
    "column" : "CDF1",  
    "filterType" : "fieldValue",  
    "isRunPageEditable" : true,  
    "operator" : "greaterThan",  
    "value" : "0"  
  } ]
```
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>isRunPageEditable</td>
<td>Boolean</td>
<td>Indicates if this is an editable filter in the user interface.</td>
</tr>
</tbody>
</table>
| operator         | String        | Unique API name for the condition used to filter a field such as “greater than” or “not equal to.” Filter conditions depend on the data type of the field. Valid values are:  
  • equals  
  • notEqual  
  • lessThan  
  • greaterThan  
  • lessOrEqual  
  • greaterOrEqual  
  • contains  
  • notContain  
  • startsWith  
  • includes  
  • excludes  
  • within (DISTANCE criteria only) |
| value            | String        | Value by which a field is filtered. For example, the field Age can be filtered by a numeric value.  
  For datetime fields, if you make a POST request and specify a calendar date without including a time, then a default time gets included. The time defaults to midnight minus the difference between your timezone and Greenwich Mean Time (GMT). For example, if you specify 8/8/2015 and your timezone is Pacific Standard Time (GMT-700), then the API returns 2015-08-08T07:00:00Z. |

**Bucket field**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucketType</td>
<td>BucketType</td>
<td>The type of bucket. Possible values are number, percent, and picklist.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>API name of the bucket.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>User-facing name of the bucket.</td>
</tr>
<tr>
<td>nullTreatedAsZero</td>
<td>Boolean</td>
<td>Specifies whether null values are converted to zero (true) or not (false).</td>
</tr>
<tr>
<td>otherBucketLabel</td>
<td>String</td>
<td>Name of the fields grouped as “Other” (in buckets of BucketType PICKLIST).</td>
</tr>
</tbody>
</table>
### DescriptionTypeProperty

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sourceColumnName</td>
<td>String</td>
<td>Name of the bucketed field.</td>
</tr>
<tr>
<td>values</td>
<td>Array of BucketTypeValues</td>
<td>Describes the values included in the bucket field.</td>
</tr>
</tbody>
</table>

### Bucket field value

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the bucket.</td>
</tr>
<tr>
<td>sourceDimensionValues</td>
<td>String</td>
<td>A list of the values from the source field included in this bucket category (in buckets of type PICKLIST and buckets of type TEXT).</td>
</tr>
<tr>
<td>rangeUpperBound</td>
<td>Double</td>
<td>The greatest range limit under which values are included in this bucket category (in buckets of type NUMBER).</td>
</tr>
</tbody>
</table>

### Cross filter

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>criteria</td>
<td>Array of Filter details[]</td>
<td>Information about how to filter the relatedEntity. Use to relate the primary entity with a subset of the relatedEntity.</td>
</tr>
<tr>
<td>includesObject</td>
<td>Boolean</td>
<td>Specifies whether objects returned have a relationship with the relatedEntity (true) or not (false).</td>
</tr>
<tr>
<td>primaryEntityField</td>
<td>String</td>
<td>The name of the object on which the cross filter is evaluated.</td>
</tr>
<tr>
<td>relatedEntity</td>
<td>String</td>
<td>The name of the object that the primaryEntityField is evaluated against. (The right-hand side of the cross filter).</td>
</tr>
<tr>
<td>relatedEntityJoinField</td>
<td>String</td>
<td>The name of the field used to join the primaryEntityField and relatedEntity.</td>
</tr>
</tbody>
</table>

### Custom Detail Formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>Formats the value returned by the row-level formula. It is required for numeric return values, invalid for non-numeric return values.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>User-defined description of the row-level formula.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>Specifies the formula expression to be evaluated. All report type fields, except bucketed fields and historical tracking fields can be referenced.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>Specifies the return type of the formula. Valid values include:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• date</td>
</tr>
<tr>
<td><strong>Property</strong></td>
<td><strong>Type</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>-----------------</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Specifies a name for the row-level formula.</td>
</tr>
</tbody>
</table>

**Custom summary formula**

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the custom summary formula.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>The user-facing description of the custom summary formula.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>The format of the numbers in the custom summary formula. Possible values are number, currency, and percent.</td>
</tr>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>The number of decimal places to include in numbers.</td>
</tr>
<tr>
<td>downGroup</td>
<td>String</td>
<td>The name of a row grouping when the downGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>downGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>acrossGroup</td>
<td>String</td>
<td>The name of a column grouping when the acrossGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>acrossGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>The operations performed on values in the custom summary formula.</td>
</tr>
</tbody>
</table>

**Top rows**

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>rowLimit</td>
<td>Integer</td>
<td>The number of rows returned in the report.</td>
</tr>
<tr>
<td>direction</td>
<td>String</td>
<td>The sort order of the report rows.</td>
</tr>
</tbody>
</table>

**Describe**

Retrieves report, report type, and related metadata for a tabular, summary, or matrix report.

- Report metadata gives information about the report as a whole. Tells you such things as, the report type, format, the fields that are summaries, row or column groupings, filters saved to the report, and so on.
- Report type metadata tells you about all the fields available in the report type, those you can filter, and by what filter criteria.
• Report extended metadata tells you about the fields that are summaries, groupings, and contain record details in the report. A property that displays null indicates that its value is not available.

**Resource URL**

/services/data/<latest API version>/analytics/reports/<report ID>/describe

**Formats**

JSON

**HTTP Methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Retrieves report, report type, and related metadata for a tabular, summary, or matrix report. See this example.</td>
</tr>
</tbody>
</table>

**Response Body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportMetadata</td>
<td>Report metadata</td>
<td>Unique identifiers for groupings and summaries.</td>
</tr>
<tr>
<td>reportTypeMetadata</td>
<td>Report type metadata</td>
<td>Fields in each section of a report type plus filter information for those fields.</td>
</tr>
<tr>
<td>reportExtendedMetadata</td>
<td>Report extended metadata</td>
<td>Additional information about summaries and groupings.</td>
</tr>
</tbody>
</table>

**Report metadata**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| aggregates| Array of strings | Unique identities for summary or custom summary formula fields in the report. For example:  
  • a!Amount represents the average for the Amount column.  
  • s!Amount represents the sum of the Amount column.  
  • m!Amount represents the minimum value of the Amount column.  
  • x!Amount represents the maximum value of the Amount column.  
  • s!<customfieldID> represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID. |
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter on page 209[]</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula on page 209[]</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| groupingsDown     | Groupings down[]      | Unique identities for each row grouping in a report. The identity is:  
|                   |                       | • BucketField__(_ID_) for bucket fields.  
|                   |                       | • ID of a custom field when the custom field is used for a column grouping. |
| hasDetailRows     | Boolean               | Indicates whether to include detailed data with the summary data.                                                                                |
| hasRecordCount    | Boolean               | Indicates whether the report shows the record count.                                                                                           |
| historicalSnapshotDates | Array of strings     | List of historical snapshot dates.                                                                                                             |
| id                | String                | Unique report ID.                                                                                                                             |
| name              | String                | Display name of the report.                                                                                                                   |
| presentationOptions | Report presentation options | Display options in the Lightning Report Builder.                                                                                           |
| reportBooleanFilter | String               | Logic to parse custom field filters. Value is null when filter logic is not specified.                                                      |

This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, "(1 OR 2) AND 3."

```json
{
  ...
  "reportBooleanFilter": "(1 OR 2) AND 3",
  "reportFilters": [
    {
      "value": "Analyst,Integrator,Press,Other",
      "column": "TYPE",
      "operator": "notEqual"
    },
    {
      "value": "100,000",
      "column": "SALES",
      "operator": "greaterThan"
    },
    {
      "value": "Small",
      "column": "Size",
      "operator": "notEqual"
    }
  ]
}
```
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportFilters</td>
<td>Filter details[]</td>
<td>List of each custom filter in the report along with the field name, filter operator, and filter value.</td>
</tr>
<tr>
<td>reportFormat</td>
<td>String</td>
<td>Format of the report. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TABULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SUMMARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MATRIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MULTI_BLOCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The MULTI_BLOCK property is available in API version 43.0 and later.</td>
</tr>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>type: Of type string, this is the unique identifier of the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>label: Of type string, this is the display name of the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>column: API name of the date field on which you filter the report data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>durationValue: The range for which you want to run the report. The value is a date literal or ‘CUSTOM.’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>startDate: Start date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>endDate: End date.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
</tbody>
</table>
### Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>supportsRoleHierarchy</code></td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td><code>topRows</code></td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td><code>userOrHierarchyFilterId</code></td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter. If specified, a role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

### Chart

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>chartType</code></td>
<td>String</td>
<td>Type of chart.</td>
</tr>
<tr>
<td><code>groupings</code></td>
<td>String</td>
<td>Report grouping.</td>
</tr>
<tr>
<td><code>hasLegend</code></td>
<td>Boolean</td>
<td>Indicates whether the report has a legend.</td>
</tr>
<tr>
<td><code>showChartValues</code></td>
<td>Boolean</td>
<td>Indicates whether the report shows chart values.</td>
</tr>
<tr>
<td><code>summaries</code></td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>a!Amount</code> represents the average for the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>s!Amount</code> represents the sum of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>m!Amount</code> represents the minimum value of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>x!Amount</code> represents the maximum value of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>s!&lt;customfieldID&gt;</code> represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td><code>summaryAxisLocations</code></td>
<td>String</td>
<td>Specifies the axis that shows the summary values. Valid values are X and Y.</td>
</tr>
<tr>
<td><code>title</code></td>
<td>String</td>
<td>Name of the chart.</td>
</tr>
</tbody>
</table>

### Groupings down

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>name</code></td>
<td>String</td>
<td>API name of the field used as a row grouping.</td>
</tr>
<tr>
<td><code>sortOrder</code></td>
<td>String</td>
<td>Order in which data is sorted within a row grouping. Value can be: Asc for ascending order.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| dateGranularity     | String      | Interval set on a date field that’s used as a row grouping. Value can be: 
- Day 
- Calendar Week 
- Calendar Month 
- Calendar Quarter 
- Calendar Year 
- Fiscal Quarter 
- Fiscal Year 
- Calendar Month in Year 
- Calendar Day in Month |
| sortAggregate       | String      | Summary field that’s used to sort data within a grouping in a report that’s in summary format. Applies if you have the Aggregate Sort feature enabled as part of its pilot program. The value is null when data within a grouping is not sorted by a summary field. In this example, data grouped by Account Owner is sorted by the sum of Annual Revenue. |

```json
{
  "aggregates": ["s!SALES","RowCount"],
  "groupingsDown": [
    {
      "name": "USERS.NAME",
      "sortOrder": "Desc",
      "dateGranularity": "None",
      "sortAggregate": "s!SALES"
    }
  ]
}
```

Report presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasStackedSummaries</td>
<td>Boolean</td>
<td>Indicates whether stacked summaries are enabled in the report.</td>
</tr>
<tr>
<td>historicalColumns</td>
<td>Historical column</td>
<td>Presentation options of the historical column.</td>
</tr>
</tbody>
</table>

```json
"presentationOptions" : {
  "historicalColumns" : {
    "Opportunity__hd.CloseDate__hst" : {
      "decreaseIsPositive" : false,
      "showChanges" : false
    }
  }
},
```
### Historical column presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decreaseIsPositive</td>
<td>Boolean</td>
<td>Indicates whether a negative change (decrease in value) is displayed in green instead of red in Lightning Report Builder.</td>
</tr>
<tr>
<td>showChanges</td>
<td>Boolean</td>
<td>Indicates whether to display a change column for a given historical column.</td>
</tr>
</tbody>
</table>

### Groupings across

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a column grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Asc for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Desc for descending order.</td>
</tr>
<tr>
<td>dateGranularity</td>
<td>String</td>
<td>Interval set on a date field used as a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month in Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Day in Month</td>
</tr>
</tbody>
</table>


Filter details

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>column</td>
<td>String</td>
<td>Unique API name for the field that’s being filtered.</td>
</tr>
<tr>
<td>filterType</td>
<td>String</td>
<td>Describes the type of value used to filter report data. Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- fieldToField—Filters report data by comparing values of one field with the values of a second field.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- fieldValue—Filters report data by comparing values of a field with a defined value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- null—if null, the filterType defaults to fieldValue.</td>
</tr>
</tbody>
</table>

In this example, the first filter is a field-to-field filter that compares the Amount field with Projected Amount field. The second filter is a field filter that returns records for which a row-level formula returns more than 0.

```json
"reportFilters" : [ {
    "column" : "AMOUNT",
    "filterType" : "fieldToField",
    "isRunPageEditable" : true,
    "operator" : "notEqual",
    "value" : "PROJECTED_AMOUNT"
}, {
    "column" : "CDF1",
    "filterType" : "fieldValue",
    "isRunPageEditable" : true,
    "operator" : "greaterThan",
    "value" : "0"
} ]
```

isRunPageEditable | Boolean | Indicates if this is an editable filter in the user interface. |
operator          | String  | Unique API name for the condition used to filter a field such as “greater than” or “not equal to.” Filter conditions depend on the data type of the field. Valid values are: |
|                  |         | - equals |
|                  |         | - notEqual |
|                  |         | - lessThan |
|                  |         | - greaterThan |
|                  |         | - lessOrEqual |
|                  |         | - greaterOrEqual |
|                  |         | - contains |
|                  |         | - notContain |
|                  |         | - startsWith |
|                  |         | - includes |
|                  |         | - excludes |
### Property

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>value</td>
<td>String</td>
<td>Value by which a field is filtered. For example, the field Age can be filtered by a numeric value. For datetime fields, if you make a POST request and specify a calendar date without including a time, then a default time gets included. The time defaults to midnight minus the difference between your timezone and Greenwich Mean Time (GMT). For example, if you specify 8/8/2015 and your timezone is Pacific Standard Time (GMT-700), then the API returns 2015-08-08T07:00:00Z.</td>
</tr>
</tbody>
</table>

### Bucket field

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucketType</td>
<td>BucketType</td>
<td>The type of bucket. Possible values are number, percent, and picklist</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>API name of the bucket.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>User-facing name of the bucket.</td>
</tr>
<tr>
<td>nullTreatedAsZero</td>
<td>Boolean</td>
<td>Specifies whether null values are converted to zero (true) or not (false).</td>
</tr>
<tr>
<td>otherBucketLabel</td>
<td>String</td>
<td>Name of the fields grouped as “Other” (in buckets of BucketType PICKLIST).</td>
</tr>
<tr>
<td>sourceColumnName</td>
<td>String</td>
<td>Name of the bucketed field.</td>
</tr>
<tr>
<td>values</td>
<td>Array of BucketTypeValues</td>
<td>Describes the values included in the bucket field.</td>
</tr>
</tbody>
</table>

### Bucket field value

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the bucket.</td>
</tr>
<tr>
<td>sourceDimensionValues</td>
<td>String</td>
<td>A list of the values from the source field included in this bucket category (in buckets of type PICKLIST and buckets of type TEXT).</td>
</tr>
<tr>
<td>rangeUpperBound</td>
<td>Double</td>
<td>The greatest range limit under which values are included in this bucket category (in buckets of type NUMBER).</td>
</tr>
</tbody>
</table>
### Cross filter

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>criteria</td>
<td>Array of Filter details[]</td>
<td>Information about how to filter the relatedEntity. Use to relate the primary entity with a subset of the relatedEntity.</td>
</tr>
<tr>
<td>includesObject</td>
<td>Boolean</td>
<td>Specifies whether objects returned have a relationship with the relatedEntity (true) or not (false).</td>
</tr>
<tr>
<td>primaryEntityField</td>
<td>String</td>
<td>The name of the object on which the cross filter is evaluated.</td>
</tr>
<tr>
<td>relatedEntity</td>
<td>String</td>
<td>The name of the object that the primaryEntityField is evaluated against. (The right-hand side of the cross filter).</td>
</tr>
<tr>
<td>relatedEntityJoinField</td>
<td>String</td>
<td>The name of the field used to join the primaryEntityField and relatedEntity.</td>
</tr>
</tbody>
</table>

### Custom Detail Formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>Formats the value returned by the row-level formula. It is required for numeric return values, invalid for non-numeric return values.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>User-defined description of the row-level formula.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>Specifies the formula expression to be evaluated. All report type fields, except bucketed fields and historical tracking fields can be referenced.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>Specifies the return type of the formula. Valid values include:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• datetime</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• text</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Specifies a name for the row-level formula.</td>
</tr>
</tbody>
</table>

### Custom summary formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the custom summary formula.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>The user-facing description of the custom summary formula.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>The format of the numbers in the custom summary formula. Possible values are number, currency, and percent.</td>
</tr>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>The number of decimal places to include in numbers.</td>
</tr>
</tbody>
</table>
### Property | Type | Description
---|---|---
downGroup | String | The name of a row grouping when the `downGroupType` is `CUSTOM`. Null otherwise.
downGroupType | String | Where to display the aggregate of the custom summary formula. Possible values are `all`, `custom`, and `grand_total`.
acrossGroup | String | The name of a column grouping when the `acrossGroupType` is `CUSTOM`. Null otherwise.
acrossGroupType | String | Where to display the aggregate of the custom summary formula. Possible values are `all`, `custom`, and `grand_total`.
formula | String | The operations performed on values in the custom summary formula.

#### Top rows

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowLimit</td>
<td>Integer</td>
<td>The number of rows returned in the report.</td>
</tr>
<tr>
<td>direction</td>
<td>String</td>
<td>The sort order of the report rows.</td>
</tr>
</tbody>
</table>

#### Report type metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| categories | Categories[] | Returns all row-level formulas in a report as an object identical to the other categories objects. For row-level formulas, these properties are always false:  
- `allowedInCustomDetailFormula`
- `Bucketable`
- `Filterable`
- `isCustom`
- `isLookup`
  
For row-level formulas, these properties are always null:  
- `filterValues`
- `inactiveFilterValues`  
| dataTypeFilterOperatorMap | Filter operator reference | Lists all the possible field data types that can be used to filter the report. Each data type, such as phone, percent, currency, or picklist has two properties:  
- `name`: Of type string, this is a unique API name for each field type's filter criteria. Use this API name in the metadata to define filter criteria for a report. |
### Description

**Property** | **Type** | **Description**
--- | --- | ---
Label | Of type string, this is the display name for each filter criteria available to fields of a particular data type. For example, multipicklist fields can have for filter criteria, “equals,” “not equal to,” “includes,” and “excludes.” Bucket fields are considered to be of string data type.

**dateGranularityInfos** | dateGranularityInfos[] | An array of objects each of which specifies a measure of time used to group date fields (day, week, month, fiscal quarter, and more).

**divisionInfo** | Division info[] | Default division and list of all possible record-level divisions that can be used in a report.

**scopeInfo** | Scope info[] | Scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.

**standardDateFilterDurationGroups** | Standard date filter duration groups[] | List of standard date filters available in reports.

**standardFilterInfos** | Array of strings | List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.

**supportsJoinedFormat** | Boolean | Specifies whether a report type is compatible with joined reports (true) or not (false).

### Categories

**Property** | **Type** | **Description**
--- | --- | ---
**label** | String | Display name of a section in the report type under which fields are organized. For example, in an Accounts with Contacts custom report type, Account General is the display name of the section that has fields on general account information.

**columns** | Column map | Information for all fields in the report type organized under a particular section’s unique API name.

### Column map

**Property** | **Type** | **Description**
--- | --- | ---
allowedInCustomDetailFormula | Boolean | Specifies whether a field is whether a field is can be referenced in a row-level formula (true) or not (false).
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucketable</td>
<td>Boolean</td>
<td>Specifies whether a field can be used as the basis for a bucket column (true) or not (false).</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the field.</td>
</tr>
<tr>
<td>fieldToFieldFilterable</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a field-to-field filter (true) or not (false).</td>
</tr>
<tr>
<td>filterValues</td>
<td>String array</td>
<td>All filter values for a field, if the field data type is of picklist, multi-select picklist, boolean, or checkbox. For example, checkbox fields always have a value of True or False. For fields of other data types, the filter value is an empty array because their values can't be determined. Filter values have two properties: name: Unique API name for a filter value. Of type string. label: Display name of a filter value. Of type string.</td>
</tr>
<tr>
<td>filterable</td>
<td>Boolean</td>
<td>False means that the field is of a type that can’t be filtered. For example, fields of the type Encrypted Text can’t be filtered.</td>
</tr>
<tr>
<td>isCustom</td>
<td>Boolean</td>
<td>Specifies whether a column is a custom (true) or standard (false) field.</td>
</tr>
<tr>
<td>isLookup</td>
<td>Boolean</td>
<td>Specifies whether a field is a lookup (true) or not (false).</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a field.</td>
</tr>
<tr>
<td>maxLength</td>
<td>Integer</td>
<td>Indicates the maximum permitted number of characters for the value of a column field. If there is no limit, use null.</td>
</tr>
<tr>
<td>uniqueCountable</td>
<td>Boolean</td>
<td>Specifies whether a field supports unique count (true) or not (false).</td>
</tr>
</tbody>
</table>

**dateGranularityInfos**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The name of the time measure as it appears in the application.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>API name of the time measure.</td>
</tr>
</tbody>
</table>

**Division info**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>defaultValue</td>
<td>String</td>
<td>Users are assigned a default division that applies to their newly created accounts, leads, and custom objects that are enabled for divisions.</td>
</tr>
</tbody>
</table>
### Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>values</td>
<td>String</td>
<td>All division values. Division values have two properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>label</em>: Display name of a division.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>name</em>: Unique API name of a division.</td>
</tr>
</tbody>
</table>

### Scope Info

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>defaultValue</td>
<td>String</td>
<td>Default scope of the data on which you run the report.</td>
</tr>
<tr>
<td>values</td>
<td>Array of strings</td>
<td>All scope values. Valid values depend on the report type. Scope values have the following properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>allowsDivision</em>: Allows you to segment the report by this scope.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>label</em>: Display name of the scope.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>value</em>: Value of the scope.</td>
</tr>
</tbody>
</table>

### Standard date filter duration groups

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of the standard date filter grouping. Valid values are Calendar Year, Calendar Quarter, Calendar Month, Calendar Week, Fiscal Year, Fiscal Quarter, Day and custom value based on a user-defined date range.</td>
</tr>
<tr>
<td>standardDateFilterDurations</td>
<td>Standard date filter durations[]</td>
<td>Details about each possible relative date filter defined under the standard date filter grouping.</td>
</tr>
</tbody>
</table>

### Standard date filter durations

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>endDate</td>
<td>String</td>
<td>End date of a date filter.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a date filter. Valid date filters are relative date filters—like Current FY and Current FQ—and custom date filters.</td>
</tr>
<tr>
<td>startDate</td>
<td>String</td>
<td>Start date of a date filter.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>API name of a date filter. Valid date filters are relative date filters—like THIS_FISCAL_YEAR and NEXT_FISCAL_QUARTER—and custom date filters.</td>
</tr>
</tbody>
</table>
## Report extended metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregateColumnInfo</td>
<td>Aggregate column information</td>
<td>Includes all report summaries such as, Record Count, Sum, Average, Max, Min, and custom summary formulas. Contains values for each summary listed in the report metadata aggregates.</td>
</tr>
<tr>
<td>detailColumnInfo</td>
<td>Detail column information</td>
<td>Two properties for each field that has detailed data identified by its unique API name. The detailed data fields are also listed in the report metadata.</td>
</tr>
<tr>
<td>groupingColumnInfo</td>
<td>Grouping column information</td>
<td>Map of each row or column grouping to its metadata. Contains values for each grouping identified in the groupingsDown and groupingsAcross list.</td>
</tr>
<tr>
<td>historicalColumnInfo</td>
<td>Historical column information</td>
<td>Provides additional information on columns that exist only in historical trending reports. (This property is applicable only to historical trending reports.)</td>
</tr>
</tbody>
</table>

### Aggregate column information

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name for record count, or the summarized or custom summary formula field.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the summarized or custom summary formula field.</td>
</tr>
<tr>
<td>acrossGroupingContext</td>
<td>String</td>
<td>Column grouping in the report where the custom summary formula is displayed. As this example shows in the JSON response and in the custom summary formula editor of the matrix report, the custom summary formula is set at the grand summary level for the columns.</td>
</tr>
</tbody>
</table>

```json
{
  "reportExtendedMetadata" : {
    "aggregateColumnInfo" : {
      "FORMULA1" : {
        "label" : "Stalled Oppty Avg",
        "dataType" : "Percent",
        "acrossGroupingContext" : "GRAND_SUMMARY",
        "downGroupingContext" : "GRAND_SUMMARY"
      }
    }
  }
}
```
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>downGroupingContext</td>
<td>String</td>
<td>Row grouping in the report where the custom summary formula is displayed. In this example, the custom summary formula for a summary report is displayed at the first grouping level. This example is shown in both the JSON response and in the custom summary formula editor of the summary report.</td>
</tr>
</tbody>
</table>

```json
{
    "reportExtendedMetadata" : {
        "aggregateColumnInfo" : {
            ...
        },
        "FORMULA1" : {
            "label" : "Average Won",
            "dataType" : "Number",
            "acrossGroupingContext" : null,
            "downGroupingContext" : "TYPE"
        }
    }
}
```

---

**Detail column information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The localized display name of a standard field, the ID of a custom field, or the API name of a bucket field that has detailed data.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>The data type of the field that has detailed data. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- string</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- boolean</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- combobox</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- currency</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• datetime</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• double</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• email</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• html</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• id</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• int</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• multipicklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• percent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• phone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• picklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• reference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• text</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• textarea</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• url</td>
</tr>
</tbody>
</table>

**Grouping column information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of the field or bucket field used for grouping.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the field used for grouping. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• string</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• boolean</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• combobox</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• currency</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• datetime</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• double</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• email</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• html</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• id</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• int</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• multipicklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• percent</td>
</tr>
</tbody>
</table>
### Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• phone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• picklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• reference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• text</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• textarea</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• url</td>
</tr>
</tbody>
</table>

**groupingLevel** Integer  
Level of the grouping. Value can be:
- 0, 1, or 2. Indicates first, second, or third row level grouping in summary reports.
- 0 or 1. Indicates first or second row or column level grouping in a matrix report.

### Historical column information

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>baseField</td>
<td>String</td>
<td>Indicates the base column for the historical data. Example: For the historical column Opportunity__hd.Amount__hst.N_DAYS_AGO:1, which represents the historical Amount column from one day ago in an Opportunity report, the base column is Opportunity.Amount.</td>
</tr>
<tr>
<td>historicalSnapshotDate</td>
<td>String</td>
<td>The snapshot date for this historical column. Example: For the historical column Opportunity__hd.Amount__hst.N_DAYS_AGO:1, the snapshot date is N_DAYS_AGO:1, which is one day ago.</td>
</tr>
<tr>
<td>isHistoricalChange</td>
<td>Boolean</td>
<td>True if the column represents change between two historical columns.</td>
</tr>
</tbody>
</table>

SEE ALSO:  
Execute Sync  
Execute Async

217
Execute Sync

Executes a report immediately with or without changing filters, groupings, or aggregates and returns the latest summary data with or without details for your level of access.

Resource URL

/services/data/\(<latest\ API\ version>/analytics/reports/\(report\ ID>\)

Formats

JSON

HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Get report results. See this example.</td>
</tr>
<tr>
<td>POST</td>
<td>Get specific results by passing dynamic filters, groupings, and aggregates in the report metadata. See this example.</td>
</tr>
</tbody>
</table>

POST Request Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregates</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- a!Amount represents the average for the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- s!Amount represents the sum of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- m!Amount represents the minimum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- x!Amount represents the maximum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- s!(&lt;customfieldID&gt; represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- u!({column_name}) represents a unique count of values for the specified {column_name}. For example, u!AccountName returns the number of unique account name values in the AccountName field.</td>
</tr>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter on page 209[]</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula on page 209[]</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_(ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_(ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
</tbody>
</table>

Note: When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
<tr>
<td>reportBooleanFilter</td>
<td>String</td>
<td>Logic to parse custom field filters. Value is null when filter logic is not specified.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, &quot;(1 OR 2) AND 3.&quot;</td>
</tr>
</tbody>
</table>

```
{
  ...
  "reportBooleanFilter": "(1 OR 2) AND 3",
  "reportFilters": [
    {
      "value": "Analyst,Integrator,Press,Other",
      "column": "TYPE",
      "operator": "notEqual"
    },
    {
      "value": "100,000",
      "column": "SALES",
      "operator": "greaterThan"
    },
    {
      "value": "Small",
      "column": "Size",
      "operator": "notEqual"
    }
  ]
}
```

<p>| reportFilters          | Filter details[]            | List of each custom filter in the report along with the field name, filter operator, and filter value. |
| reportFormat           | String                      | Format of the report. Possible values are:                                       |
|                        |                             | • TABULAR                                                                       |
|                        |                             | • SUMMARY                                                                       |
|                        |                             | • MATRIX                                                                        |
|                        |                             | • MULTI_BLOCK                                                                  |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type. Of type string, this is the unique identifier of the report type. Label: Of type string, this is the display name of the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- column: API name of the date field on which you filter the report data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- durationValue: The range for which you want to run the report. The value is a date literal or 'CUSTOM.'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- startDate: Start date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- endDate: End date.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter. If specified, a role hierarchy filter is applied to the report. If unspecified, no role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

**Response Body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>attributes</td>
<td>Attributes</td>
<td>Key report attributes and child resource URLs.</td>
</tr>
</tbody>
</table>
### Property | Type | Description
--- | --- | ---
allData | Boolean | When True, all report results are returned. When False, results are returned for the same number of rows as a report run in Salesforce.

**Note:** For reports that have too many records, use filters to refine results.

factMap | Fact map | Summary level data or both summary and detailed data for each row or column grouping. Detailed data is available if hasDetailRows is true.

Each row or column grouping is represented by combination of row and column grouping keys defined in Groupings down and Groupings across.

See these examples of fact map keys.

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
groupingsAcross | Groupings across | Collection of column groupings, keys, and their values. |
groupingsDown | Groupings down | Collection of row groupings, keys, and their values. |
hasDetailRows | Boolean | When true, the fact map returns values for both summary level and record level data. When false, the fact map returns summary values. |
reportExtendedMetadata | Report extended metadata | Additional information about columns, summaries, and groupings. |
reportMetadata | Report metadata | Unique identifiers for groupings and summaries. |

### Attributes

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
describeUrl | String | Resource URL to get report metadata. |
instancesUrl | String | Resource URL to run a report asynchronously. The report can be run with or without filters to get summary or both summary and detailed data. Results of each instance of the report run are stored under this URL. |
type | String | API resource format. |
reportName | String | Display name of the report. |
reportId | String | Unique report ID. |
Fact map

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rows</td>
<td>Data cells[]</td>
<td>Array of detailed report data listed in the order of the detail columns provided by the report metadata.</td>
</tr>
<tr>
<td>aggregates</td>
<td>Aggregates[]</td>
<td>Summary level data including record count for a report.</td>
</tr>
</tbody>
</table>

Data cells

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| value    | Detail column info data type | The value of a specified cell.  
If the response is an empty string, then API version 36.0 and earlier returns null. API version 37.0 and later returns an empty string. |
| label    | String             | Display name of the value as it appears for a specified cell in the report. |

Aggregates

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>value</td>
<td>Number</td>
<td>Numeric value of the summary data for a specified cell.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Formatted summary data for a specified cell.</td>
</tr>
</tbody>
</table>

Groupings across

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupings</td>
<td>Groupings[]</td>
<td>Information for each column grouping as a list.</td>
</tr>
</tbody>
</table>

Groupings

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| value    | String| Value of the field used as a row or column grouping. The value depends on the field's data type.  
- Currency fields:  
  - amount: Of type currency. Value of a data cell.  
  - currency: Of type picklist. The ISO 4217 currency code, if available; for example, USD for US dollars or CNY for Chinese yuan. (If the grouping is on the converted |
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>key</td>
<td>String</td>
<td>Unique identity for a row or column grouping. The identity is used by the fact map to specify data values within each grouping.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a row or column grouping. For date and time fields, the label is the localized date or time.</td>
</tr>
<tr>
<td>groupings</td>
<td>Array</td>
<td>Second or third level row or column groupings. If there are none, the value is an empty array.</td>
</tr>
<tr>
<td>dategroupings</td>
<td>Array</td>
<td>Start date and end date of the interval defined by date granularity.</td>
</tr>
</tbody>
</table>

**Groupings down**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupings</td>
<td>Groupings[]</td>
<td>Information for each row grouping as a list.</td>
</tr>
</tbody>
</table>

**SEE ALSO:**
- Describe
- Execute Async

**Execute Async**

Runs an instance of a report asynchronously with or without filters and returns a handle that stores the results of the run. The results can contain summary data with or without details.

**Resource URL**

/services/data/<latest API version>/analytics/reports/<report ID>/instances
Formats

JSON

HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>Runs an instance of a report asynchronously. See this example. Also see this example of a GET request that returns a list of asynchronous runs of a report.</td>
</tr>
</tbody>
</table>

POST Request Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| aggregates         | Array of strings    | Unique identities for summary or custom summary formula fields in the report. For example:  
  - a!Amount represents the average for the Amount column.  
  - s!Amount represents the sum of the Amount column.  
  - m!Amount represents the minimum value of the Amount column.  
  - x!Amount represents the maximum value of the Amount column.  
  - s!<customfieldID> represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.  
  - u!{column_name} represents a unique count of values for the specified {column_name}. For example, u!AccountName returns the number of unique account name values in the AccountName field. |
<p>| allowedInCustomDetailFormula | Boolean | Specifies whether a field can be referenced in a row-level formula (true) or not (false). |
| buckets            | Bucket field        | Describes a bucket field. |
| chart              | Chart[]             | Details about the chart used in a report. |
| crossFilters       | Cross filter on page 209[] | Cross filters applied to the report. |
| customDetailFormula | Custom Detail Formula on page 209[] | An array of objects that describes row-level formulas. |
| customSummaryFormula | Custom summary formula | Describes a custom summary formulas. |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report. Note: When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is: • An empty array for reports in summary format as it can’t have column groupings. • BucketField_({ID}) for bucket fields. • ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is: • BucketField_({ID}) for bucket fields. • ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>reportBooleanFilter</td>
<td>String</td>
<td>Logic to parse custom field filters. Value is null when filter logic is not specified. This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, &quot;(1 OR 2) AND 3.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>{ ...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;reportBooleanFilter&quot;: &quot;(1 OR 2) AND 3&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;reportFilters&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;value&quot;: &quot;Analyst,Integrator,Press,Other&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;column&quot;: &quot;TYPE&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;operator&quot;: &quot;notEqual&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td>reportFilters</td>
<td>Filter details[]</td>
<td>List of each custom filter in the report along with the field name, filter operator, and filter value.</td>
</tr>
<tr>
<td>reportFormat</td>
<td>String</td>
<td>Format of the report. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- TABULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SUMMARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- MATRIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- MULTI_BLOCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The MULTI_BLOCK property is available in API version 43.0 and later.</td>
</tr>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>type: Of type string, this is the unique identifier of the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>label: Of type string, this is the display name of the report type.</td>
</tr>
</tbody>
</table>
| scope                | String        | Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own,
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties: column, durationValue, startDate, endDate.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter. If specified, a role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

**Response Body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Unique ID for an instance of a report that was run asynchronously.</td>
</tr>
<tr>
<td>status</td>
<td>String</td>
<td>- <strong>New</strong> if the report run has just been triggered through a request.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <strong>Success</strong> if the report ran.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <strong>Running</strong> if the report is being run.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <strong>Error</strong> if the report run failed. The instance of a report run can return an error if, for example, your permission to access the report has been removed since you requested the run.</td>
</tr>
</tbody>
</table>
### Instances List

Returns a list of instances for a report that you requested to be run asynchronously. Each item in the list is treated as a separate instance of the report run with metadata in that snapshot of time.

### Resource URL

```
/services/data/<latest API version>/analytics/reports/<report ID>/instances
```

### Formats

JSON

### HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Return a list of asynchronous runs of a report. See this example.</td>
</tr>
</tbody>
</table>
Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Unique ID for a report instance that was requested for a run. The ID is used to obtain results of the report run for that instance.</td>
</tr>
<tr>
<td>status</td>
<td>String</td>
<td>• <strong>New</strong> if the report run has just been triggered through a POST request.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Success</strong> if the report ran.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Running</strong> if the report is being run.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Error</strong> if the report run failed. The instance of a report run can return an error if, for example, your permission to access the report has been removed since you requested the run.</td>
</tr>
<tr>
<td>url</td>
<td>String</td>
<td>URL where results of the report run for that instance are stored. The value is <strong>null</strong> if the report couldn’t be run because of an error.</td>
</tr>
<tr>
<td>ownerId</td>
<td>String</td>
<td>API name of the user that created the instance.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>• When <strong>false</strong>, indicates that summary level data was requested for the report run.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• When <strong>true</strong>, indicates that detailed data, which includes summary level data, was requested for the report run.</td>
</tr>
<tr>
<td>completionDate</td>
<td>Date, time string</td>
<td>Date, time when the instance of the report run finished. Only available if the report instance ran successfully or couldn’t be run because of an error. Date-time information is in ISO-8601 format.</td>
</tr>
<tr>
<td>requestDate</td>
<td>Date, time string</td>
<td>Date and time when an instance of the report run was requested. Date-time information is in ISO-8601 format.</td>
</tr>
</tbody>
</table>

SEE ALSO:

Execute Async
Instance Results

Instance Results

Retrieves results for an instance of a report run asynchronously with or without filters. Depending on your asynchronous report run request, data can be at the summary level or include details.

Resource URL

/services/data/<latest API version>/analytics/reports/<report ID>/instances/<instance ID>
Formats

JSON

HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Retrieves results of an asynchronous report run. See this example.</td>
</tr>
<tr>
<td>DELETE</td>
<td>If the given report instance has a status of Success or Error, delete the report instance and return an empty response body.</td>
</tr>
</tbody>
</table>

GET Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>• When false, report results are at summary level.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• When true, report results are at the record detail level.</td>
</tr>
<tr>
<td>allData</td>
<td>Boolean</td>
<td>When True, all report results are returned.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>When False, detailed data for the first 2000 report rows are returned.</td>
</tr>
<tr>
<td>reportMetadata</td>
<td>Report metadata</td>
<td>Information about the fields used to build the report.</td>
</tr>
<tr>
<td>factMap</td>
<td>Fact map</td>
<td>Collection of summary level data or both detailed and summary level data.</td>
</tr>
<tr>
<td>attributes</td>
<td>Attributes</td>
<td>Attributes for the instance of the report run.</td>
</tr>
<tr>
<td>reportExtendedMetadata</td>
<td>Report extended metadata</td>
<td>Information on report groupings, summary fields, and detailed data columns, which is available if detailed data is requested.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down</td>
<td>Collection of row groupings.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across</td>
<td>Collection of column groupings.</td>
</tr>
</tbody>
</table>

Attributes

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>Unique ID for an instance of a report that was run.</td>
</tr>
<tr>
<td>status</td>
<td>String</td>
<td>• New if the report run has just been triggered through a request.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Success if the report ran.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Running if the report is being run.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Error if the report run failed. The instance of a report run can return an error if, for example, your permission to access the report has been removed since you requested the run.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ownerId</td>
<td>String</td>
<td>API name of the user that created the instance.</td>
</tr>
<tr>
<td>completionDate</td>
<td>Date, time string</td>
<td>Date, time when the instance of the report run finished. Only available if the report instance ran successfully or couldn’t be run because of an error. Date-time information is in ISO-8601 format.</td>
</tr>
<tr>
<td>requestDate</td>
<td>Date, time string</td>
<td>Date and time when an instance of the report run was requested. Date-time information is in ISO-8601 format.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>Format of the resource.</td>
</tr>
<tr>
<td>reportId</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>reportName</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
</tbody>
</table>

SEE ALSO:
- Execute Async
- Instances List

**Report List**
Displays a list of up to 200 tabular, matrix, or summary reports that you recently viewed. To get a full list of reports by format, name, and other fields, use a SOQL query on the Report object. The resource can also be used to make a copy of a report.

**Resource URL**

<table>
<thead>
<tr>
<th>Task</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>List reports</td>
<td>/services/data/&lt;latest API version&gt;/analytics/reports</td>
</tr>
<tr>
<td>Copy report</td>
<td>/services/data/&lt;latest API version&gt;/analytics/reports?cloneId=&lt;report ID&gt;</td>
</tr>
</tbody>
</table>

**Formats**

JSON

**HTTP Methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>List of reports that were recently viewed by the API user. See this example.</td>
</tr>
<tr>
<td>POST</td>
<td>Create or clone a report. To create a new report, see this example.</td>
</tr>
</tbody>
</table>
Method | Description
--- | ---

To clone an existing report, see this example.

### GET Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>Report display name.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>url</td>
<td>String</td>
<td>URL that returns report data.</td>
</tr>
<tr>
<td>describeUrl</td>
<td>String</td>
<td>URL that retrieves report metadata.</td>
</tr>
<tr>
<td>instancesUrl</td>
<td>String</td>
<td>Information for each instance of the report that was run asynchronously.</td>
</tr>
</tbody>
</table>

### POST Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| aggregates                  | Array of strings | Unique identities for summary or custom summary formula fields in the report. For example:  
  - `a!Amount` represents the average for the `Amount` column.  
  - `s!Amount` represents the sum of the `Amount` column.  
  - `m!Amount` represents the minimum value of the `Amount` column.  
  - `x!Amount` represents the maximum value of the `Amount` column.  
  - `s!<customfieldID>` represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.  
  - `u!{column_name}` represents a unique count of values for the specified `{column_name}`. For example, `u!AccountName` returns the number of unique account name values in the `AccountName` field.  
<p>| allowedInCustomDetailFormula| Boolean      | Specifies whether a field can be referenced in a row-level formula (true) or not (false). |
| buckets                  | Bucket field | Describes a bucket field.                                                   |
| chart                    | Chart[]      | Details about the chart used in a report.                                   |
| crossFilters             | Cross filter on page 209[] | Cross filters applied to the report.                                      |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Note:</strong> When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_(ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_(ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
<tr>
<td>reportBooleanFilter</td>
<td>String</td>
<td>Logic to parse custom field filters. Value is null when filter logic is not specified. This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, “(1 OR 2) AND 3.”</td>
</tr>
<tr>
<td>reportFilters</td>
<td>Filter details[]</td>
<td>List of each custom filter in the report along with the field name, filter operator, and filter value.</td>
</tr>
<tr>
<td>reportFormat</td>
<td>String</td>
<td>Format of the report. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- TABULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SUMMARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- MATRIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- MULTI_BLOCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The MULTI_BLOCK property is available in API version 43.0 and later.</td>
</tr>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>type: Of type string, this is the unique identifier of the report type.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Of type string, this is the display name of the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>column: API name of the date field on which you filter the report data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>durationValue: The range for which you want to run the report. The value is a date literal or 'CUSTOM.'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>startDate: Start date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>endDate: End date.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If specified, a role hierarchy filter is applied to the report. If unspecified, no role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

**Query**

Returns report data without saving changes to an existing report or creating a new one.

**Resource URL**

/services/data/<latest API version>/analytics/reports/query
## Formats

JSON

## HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>Run a report without creating or saving the report. Customize your report using <code>reportMetadata</code> that you specify in the request body. See this example on page 60.</td>
</tr>
</tbody>
</table>

## Request Body

### Report metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregates</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>a!Amount</code> represents the average for the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>s!Amount</code> represents the sum of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>m!Amount</code> represents the minimum value of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>x!Amount</code> represents the maximum value of the <code>Amount</code> column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>s!&lt;customfieldID&gt;</code> represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>u!{column_name}</code> represents a unique count of values for the specified <code>{column_name}</code>. For example, <code>u!AccountName</code> returns the number of unique account name values in the <code>AccountName</code> field.</td>
</tr>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is <code>null</code> if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast. Available only if your organization uses divisions to segment data and you have the “Affected by Divisions” permission. If you do not have the “Affected by Divisions” permission, your reports include records in all divisions.</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report. <strong>Note:</strong> When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_{ID} for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_{ID} for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
</tbody>
</table>
### Property | Type | Description
--- | --- | ---
reportBooleanFilter | String | Logic to parse custom field filters. Value is null when filter logic is not specified.

This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, 

\[(1 \text{ OR } 2) \text{ AND } 3.\]

```json
{
  ...
  "reportBooleanFilter": "(1 OR 2) AND 3",
  "reportFilters": [  
    {  
      "value": "Analyst,Integrator,Press,Other",
      "column": "TYPE",
      "operator": "notEqual"
    },
    {  
      "value": "100,000",
      "column": "SALES",
      "operator": "greaterThan"
    },
    {  
      "value": "Small",
      "column": "Size",
      "operator": "notEqual"
    }
  ]
}
```

reportFilters | Filter details[] | List of each custom filter in the report along with the field name, filter operator, and filter value.

reportFormat | String | Format of the report. Possible values are:

- TABULAR
- SUMMARY
- MATRIX
- MULTI_BLOCK

The MULTI_BLOCK property is available in API version 43.0 and later.

reportType | Report type | Unique API name and display name for the report type.

*type*: Of type string, this is the unique identifier of the report type.

*label*: Of type string, this is the display name of the report type.
### Property Type Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
</tbody>
</table>
| standardDateFilter   | Array of strings | Standard date filters available in reports. Each standard date filter contains the following properties:  
  - column: API name of the date field on which you filter the report data.  
  - durationValue: The range for which you want to run the report. The value is a date literal or 'CUSTOM.'  
  - startDate: Start date.  
  - endDate: End date. |
| standardFilters      | Array of strings | List of filters that show up in the default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs. |
| supportsRoleHierarchy| Boolean       | Indicates whether the report type supports role hierarchy filtering (true) or not (false).                                                   |
| topRows              | Top rows      | Describes a row limit filter applied to the report.                                                                                       |
| userOrHierarchyFilterId | String       | Unique user or role ID of the user or role used by the report's role hierarchy filter. If specified, a role hierarchy filter is applied to the report. If unspecified, no role hierarchy filter is applied to the report. |

### Chart

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>chartType</td>
<td>String</td>
<td>Type of chart.</td>
</tr>
<tr>
<td>groupings</td>
<td>String</td>
<td>Report grouping.</td>
</tr>
<tr>
<td>hasLegend</td>
<td>Boolean</td>
<td>Indicates whether the report has a legend.</td>
</tr>
<tr>
<td>showChartValues</td>
<td>Boolean</td>
<td>Indicates whether the report shows chart values.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>summaries</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- a!Amount represents the average for the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- s!Amount represents the sum of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- m!Amount represents the minimum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- x!Amount represents the maximum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- s!&lt;customfieldID&gt; represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td>summaryAxisLocations</td>
<td>String</td>
<td>Specifies the axis that shows the summary values. Valid values are X and Y.</td>
</tr>
<tr>
<td>title</td>
<td>String</td>
<td>Name of the chart.</td>
</tr>
</tbody>
</table>

**Groupings down**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a row grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Asc for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Desc for descending order.</td>
</tr>
<tr>
<td>dateGranularity</td>
<td>String</td>
<td>Interval set on a date field that's used as a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Month</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Fiscal Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Fiscal Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Month in Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Day in Month</td>
</tr>
<tr>
<td>sortAggregate</td>
<td>String</td>
<td>Summary field that's used to sort data within a grouping in a report that's in summary format. Applies if you have the Aggregate Sort feature enabled as part of its pilot program. The value is null when data within a grouping is not sorted by a summary field. In this</td>
</tr>
</tbody>
</table>
example, data grouped by Account Owner is sorted by the sum of Annual Revenue.

```json
{
    "aggregates": ["s!SALES","RowCount"],
    "groupingsDown": [
        {
            "name": "USERS.NAME",
            "sortOrder": "Desc",
            "dateGranularity": "None",
            "sortAggregate": "s!SALES"
        }
    ]
}
```

### Report presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasStackedSummaries</td>
<td>Boolean</td>
<td>Indicates whether stacked summaries are enabled in the report.</td>
</tr>
<tr>
<td>historicalColumns</td>
<td>Historical column</td>
<td>Presentation options of the historical column.</td>
</tr>
<tr>
<td></td>
<td>presentation options</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;presentationOptions&quot; :</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;historicalColumns&quot; :</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;Opportunity__hd.CloseDate__hst&quot; : {</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;decreaseIsPositive&quot; :</td>
<td>false,</td>
</tr>
<tr>
<td></td>
<td>&quot;showChanges&quot; :</td>
<td>false</td>
</tr>
<tr>
<td></td>
<td>&quot;Opportunity__hd.Amount__hst&quot; : {</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;decreaseIsPositive&quot; :</td>
<td>false,</td>
</tr>
<tr>
<td></td>
<td>&quot;showChanges&quot; :</td>
<td>true</td>
</tr>
</tbody>
</table>

### Historical column presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decreaseIsPositive</td>
<td>Boolean</td>
<td>Indicates whether a negative change (decrease in value) is displayed in green instead of red in Lightning Report Builder.</td>
</tr>
<tr>
<td>showChanges</td>
<td>Boolean</td>
<td>Indicates whether to display a change column for a given historical column.</td>
</tr>
</tbody>
</table>
Groupings across

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a column grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Asc for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Desc for descending order.</td>
</tr>
<tr>
<td>dateGranularity</td>
<td>String</td>
<td>Interval set on a date field used as a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Month in Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Calendar Day in Month</td>
</tr>
</tbody>
</table>

Filter details

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>column</td>
<td>String</td>
<td>Unique API name for the field that’s being filtered.</td>
</tr>
<tr>
<td>filterType</td>
<td>String</td>
<td>Describes the type of value used to filter report data. Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fieldToField—Filters report data by comparing values of one field with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>the values of a second field.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• fieldValue—Filters report data by comparing values of a field with a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>defined value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• null—If null, the filterType defaults to fieldValue.</td>
</tr>
</tbody>
</table>

In this example, the first filter is a field-to-field filter that compares the Amount field with Projected Amount field. The second filter is a field filter that returns records for which a row-level formula returns more than 0.

```json
"reportFilters" : [ {
  "column" : "AMOUNT",
  "filterType" : "fieldToField",
  "isRunPageEditable" : true,
  "operator" : "notEqual",
} ]
```
isRunPageEditable | Boolean | Indicates if this is an editable filter in the user interface.

operator | String | Unique API name for the condition used to filter a field such as “greater than” or “not equal to.” Filter conditions depend on the data type of the field. Valid values are:

- equals
- notEqual
- lessThan
- greaterThan
- lessOrEqual
- greaterOrEqual
- contains
- notContain
- startsWith
- includes
- excludes
- within (DISTANCE criteria only)

value | String | Value by which a field is filtered. For example, the field Age can be filtered by a numeric value.

For datetime fields, if you make a POST request and specify a calendar date without including a time, then a default time gets included. The time defaults to midnight minus the difference between your timezone and Greenwich Mean Time (GMT). For example, if you specify 8/8/2015 and your timezone is Pacific Standard Time (GMT-700), then the API returns 2015-08-08T07:00:00Z.

Bucket field

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucketType</td>
<td>BucketType</td>
<td>The type of bucket. Possible values are number, percent, and picklist</td>
</tr>
</tbody>
</table>
### Property | Type | Description |
--- | --- | --- |
developerName | String | API name of the bucket. |
label | String | User-facing name of the bucket. |
nullTreatedAsZero | Boolean | Specifies whether null values are converted to zero (true) or not (false). |
otherBucketLabel | String | Name of the fields grouped as “Other” (in buckets of BucketType PICKLIST). |
sourceColumnName | String | Name of the bucketed field. |
values | Array of BucketTypeValues | Describes the values included in the bucket field. |

### Bucket field value

| Property | Type | Description |
--- | --- | --- |
label | String | The user-facing name of the bucket. |
sourceDimensionValues | String | A list of the values from the source field included in this bucket category (in buckets of type PICKLIST and buckets of type TEXT). |
rangUpperBound | Double | The greatest range limit under which values are included in this bucket category (in buckets of type NUMBER). |

### Cross filter

| Property | Type | Description |
--- | --- | --- |
criteria | Array of Filter details[] | Information about how to filter the relatedEntity. Use to relate the primary entity with a subset of the relatedEntity. |
includesObject | Boolean | Specifies whether objects returned have a relationship with the relatedEntity (true) or not (false). |
primaryEntityField | String | The name of the object on which the cross filter is evaluated. |
relatedEntity | String | The name of the object that the primaryEntityField is evaluated against. (The right-hand side of the cross filter). |
relatedEntityJoinField | String | The name of the field used to join the primaryEntityField and relatedEntity. |
### Custom Detail Formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>Formats the value returned by the row-level formula. It is required for numeric return values, invalid for non-numeric return values.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>User-defined description of the row-level formula.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>Specifies the formula expression to be evaluated. All report type fields, except bucketed fields and historical tracking fields can be referenced.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>Specifies the return type of the formula. Valid values include: date, datetime, number, text.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Specifies a name for the row-level formula.</td>
</tr>
</tbody>
</table>

### Custom summary formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the custom summary formula.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>The user-facing description of the custom summary formula.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>The format of the numbers in the custom summary formula. Possible values are number, currency, and percent.</td>
</tr>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>The number of decimal places to include in numbers.</td>
</tr>
<tr>
<td>downGroup</td>
<td>String</td>
<td>The name of a row grouping when the downGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>downGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>acrossGroup</td>
<td>String</td>
<td>The name of a column grouping when the acrossGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>acrossGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>The operations performed on values in the custom summary formula.</td>
</tr>
</tbody>
</table>

### Top rows

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowLimit</td>
<td>Integer</td>
<td>The number of rows returned in the report.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>direction</td>
<td>String</td>
<td>The sort order of the report rows.</td>
</tr>
</tbody>
</table>

**Response Body**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>attributes</td>
<td>Attributes</td>
<td>Key report attributes and child resource URLs.</td>
</tr>
<tr>
<td>allData</td>
<td>Boolean</td>
<td>When <code>true</code>, all report results are returned.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>When <code>false</code>, results are returned for the same number of rows as a report run in Salesforce.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: For reports that have too many records, use filters to refine results.</td>
</tr>
<tr>
<td>factMap</td>
<td>Fact map</td>
<td>Summary level data or both summary and detailed data for each row or column grouping. Detailed data is available if <code>hasDetailRows</code> is <code>true</code>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Each row or column grouping is represented by combination of row and column grouping keys defined in Groupings down and Groupings across.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>See these examples of fact map keys.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across</td>
<td>Collection of column groupings, keys, and their values.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down</td>
<td>Collection of row groupings, keys, and their values.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>When <code>true</code>, the fact map returns values for both summary level and record level data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>When <code>false</code>, the fact map returns summary values.</td>
</tr>
<tr>
<td>reportExtendedMetadata</td>
<td>Report extended metadata</td>
<td>Additional information about columns, summaries, and groupings.</td>
</tr>
<tr>
<td>reportMetadata</td>
<td>Report metadata</td>
<td>Unique identifiers for groupings and summaries.</td>
</tr>
</tbody>
</table>

**Attributes**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>describeUrl</td>
<td>String</td>
<td>Resource URL to get report metadata.</td>
</tr>
<tr>
<td>instancesUrl</td>
<td>String</td>
<td>Resource URL to run a report asynchronously. The report can be run with or without filters to get summary or both summary and detailed data. Results of each instance of the report run are stored under this URL.</td>
</tr>
<tr>
<td><strong>Property</strong></td>
<td><strong>Type</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>API resource format.</td>
</tr>
<tr>
<td>reportName</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>reportId</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
</tbody>
</table>

### Fact map

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>rows</td>
<td>Data cells[]</td>
<td>Array of detailed report data listed in the order of the detail columns provided by the report metadata.</td>
</tr>
<tr>
<td>aggregates</td>
<td>Aggregates[]</td>
<td>Summary level data including record count for a report.</td>
</tr>
</tbody>
</table>

### Data cells

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>value</td>
<td>Detail column info data type</td>
<td>The value of a specified cell. If the response is an empty string, then API version 36.0 and earlier returns null. API version 37.0 and later returns an empty string.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of the value as it appears for a specified cell in the report.</td>
</tr>
</tbody>
</table>

### Aggregates

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>value</td>
<td>Number</td>
<td>Numeric value of the summary data for a specified cell.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Formatted summary data for a specified cell.</td>
</tr>
</tbody>
</table>

### Groupings across

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Type</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>groupings</td>
<td>Groupings[]</td>
<td>Information for each column grouping as a list.</td>
</tr>
</tbody>
</table>
Groupings

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>value</td>
<td>String</td>
<td>Value of the field used as a row or column grouping. The value depends on the field’s data type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Currency fields:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• amount: Of type currency. Value of a data cell.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• currency: Of type picklist. The ISO 4217 currency code, if available; for example, USD for US dollars or CNY for Chinese yuan. (If the grouping is on the converted currency, this is the currency code for the report and not for the record.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Picklist fields: API name. For example, a custom picklist field, Type of Business with values 1, 2, 3 for Consulting, Services, and Add-On Business, has 1, 2, or 3 as the grouping value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID fields: API name.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Record type fields: API name.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Date and time fields: Date or time in ISO-8601 format.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lookup fields: Unique API name. For example, for the Opportunity Owner lookup field, the ID of each opportunity owner’s Chatter profile page can be a grouping value.</td>
</tr>
</tbody>
</table>

| key      | String | Unique identity for a row or column grouping. The identity is used by the fact map to specify data values within each grouping. |
| label    | String | Display name of a row or column grouping. For date and time fields, the label is the localized date or time. |
| groupings| Array  | Second or third level row or column groupings. If there are none, the value is an empty array. |
| dategroupings | Array | Start date and end date of the interval defined by date granularity. |

Groupings down

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupings</td>
<td>Groupings[]</td>
<td>Information for each row grouping as a list.</td>
</tr>
</tbody>
</table>

Report Fields

The Report Fields resource returns report fields available for specified reports. Use the resource to determine the best fields for use in dashboard filters by seeing which fields different source reports have in common. Available in API version 40.0 and later.
Resource URL

/services/data/<latest API version>/analytics/reports/<report ID>/fields

Formats
JSON

HTTP Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>If the request body is empty, returns a list of all possible report fields. Otherwise, returns a list of fields that specified reports share.</td>
</tr>
</tbody>
</table>

POST Request Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>intersectWith</td>
<td>Array of Report IDs</td>
<td>An array of unique report IDs.</td>
</tr>
</tbody>
</table>

POST Response Body

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>displayGroups</td>
<td>Array of Fields</td>
<td>Fields available when adding a filter.</td>
</tr>
<tr>
<td>equivalentFields</td>
<td>Array of Fields</td>
<td>Fields available for each specified report. Each object in this array is a list of common fields categorized by report type.</td>
</tr>
<tr>
<td>equivalentFieldIndices</td>
<td>Map of Fields</td>
<td>Map of each field's API name to the index of the field in the equivalentFields array.</td>
</tr>
<tr>
<td>mergedGroups</td>
<td>Array of Fields</td>
<td>Merged fields.</td>
</tr>
</tbody>
</table>

Example Request Body

```json
{
    "intersectWith": ["00OR0000000P3RVMA0"]
}
```

Example Response Body

```json
{
    "displayGroups": {
        "Opportunity": {
            "columns": {
```
"ACCOUNT_CREATED_DATE" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Account: Created Date",
  "maxLength" : null
},
"ACCOUNT_LAST_ACTIVITY" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Account: Last Activity",
  "maxLength" : null
},
"ACCOUNT_LAST_UPDATE" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Account: Last Modified Date",
  "maxLength" : null
},
"ACCOUNT_OWNER" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Account Owner",
  "maxLength" : null
},
"ACCOUNT_OWNER_ALIAS" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : true,
  "label" : "Account Owner Alias",
  "maxLength" : 8
}
,"label" : "Account: General",
"labelSuffix" : "(Opportunities)"
},
"columns" : {
  "CLOSE_DATE" : {
    "dataType" : "date",
    "filterValues" : [ ],
    "filterable" : true,
    "isLookup" : false,
    "label" : "Close Date",
    "maxLength" : null
  },
  "CLOSE_DATE2" : {

"dataType" : "date",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : false,
"label" : "Close Date (2)",
"maxLength" : null
},
"CLOSE_MONTH" : {
"dataType" : "date",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : false,
"label" : "Close Month",
"maxLength" : null
},
"CREATED_ALIAS" : {
"dataType" : "string",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : true,
"label" : "Created Alias",
"maxLength" : 8
},
"CREATED" : {
"dataType" : "string",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : false,
"label" : "Created By",
"maxLength" : null
},
"CREATED_DATE" : {
"dataType" : "date",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : false,
"label" : "Created Date",
"maxLength" : null
},
"LAST_ACTIVITY" : {
"dataType" : "date",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : false,
"label" : "Last Activity",
"maxLength" : null
},
"LAST_UPDATE_BY_ALIAS" : {
"dataType" : "string",
"filterValues" : [ ],
"filterable" : true,
"isLookup" : true,
"label" : "Last Modified Alias",
"maxLength" : 8
"LAST_UPDATE_BY" : {
  "dataType" : "string",
  "filterValues" : [],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Modified By",
  "maxLength" : null
},
"LAST_UPDATE" : {
  "dataType" : "date",
  "filterValues" : [],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Modified Date",
  "maxLength" : null
},
"LAST_STAGE_CHANGE_DATE" : {
  "dataType" : "date",
  "filterValues" : [],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Stage Change Date",
  "maxLength" : null
}
},
"label" : "Opportunity Information",
"labelSuffix" : "(Opportunities)"
},
"columns" : {
  "FULL_NAME" : {
    "dataType" : "string",
    "filterValues" : [],
    "filterable" : true,
    "isLookup" : false,
    "label" : "Opportunity Owner",
    "maxLength" : null
  },
  "OWNER_MANAGER" : {
    "dataType" : "string",
    "filterValues" : [],
    "filterable" : true,
    "isLookup" : false,
    "label" : "Opportunity Owner: Manager",
    "maxLength" : null
  },
  "ALIAS" : {
    "dataType" : "string",
    "filterValues" : [],
    "filterable" : true,
    "isLookup" : true,
    "label" : "Opportunity Owner Alias",
    "maxLength" : 8
  }
}
"ROLLUP_DESCRIPTION" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : true,
  "label" : "Owner Role",
  "maxLength" : 80
}
,"label" : "Opportunity Owner Information",
"labelSuffix" : "(Opportunities)"
},
"LeadList" : [ {
  "columns" : {
    "EMAIL_BOUNCED_DATE" : {
      "dataType" : "datetime",
      "filterValues" : [ ],
      "filterable" : true,
      "isLookup" : false,
      "label" : "Email Bounced Date",
      "maxLength" : null
    }
  },
  "label" : "Lead: Ph/Fax/Email",
  "labelSuffix" : "(Leads)"
}, {
  "columns" : {
    "CREATED_ALIAS" : {
      "dataType" : "string",
      "filterValues" : [ ],
      "filterable" : true,
      "isLookup" : true,
      "label" : "Created Alias",
      "maxLength" : 8
    },
    "CREATED_DATE" : {
      "dataType" : "date",
      "filterValues" : [ ],
      "filterable" : true,
      "isLookup" : false,
      "label" : "Create Date",
      "maxLength" : null
    },
    "CREATED" : {
      "dataType" : "string",
      "filterValues" : [ ],
      "filterable" : true,
      "isLookup" : false,
      "label" : "Created By",
      "maxLength" : null
    },
    "CREATED_MONTH" : {
      "dataType" : "date",
      "filterValues" : [ ],
      "filterable" : true,
      "isLookup" : false,
      "label" : "Created By Month",
      "maxLength" : null
    }
  }
}
"filterable" : true,
"isLookup" : false,
"label" : "Created Month",
"maxLength" : null
},
"LAST_ACTIVITY" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Activity",
  "maxLength" : null
},
"LAST_UPDATE" : {
  "dataType" : "date",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Modified",
  "maxLength" : null
},
"LAST_UPDATE_BY_ALIAS" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : true,
  "label" : "Last Modified Alias",
  "maxLength" : 8
},
"LAST_UPDATE_BY" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : false,
  "label" : "Last Modified By",
  "maxLength" : null
},
"OWNER_ROLE_DISPLAY" : {
  "dataType" : "string",
  "filterValues" : [ ],
  "filterable" : true,
  "isLookup" : true,
  "label" : "Owner Role Display",
  "maxLength" : 80
}
"label" : "Lead General",
"labelSuffix" : "(Leads)"
}]
"equivalentFieldIndices" : {
  "ACCOUNT_CREATED_DATE" : 19,
  "ACCOUNT_LAST_UPDATE" : 19,
  "ACCOUNT_OWNER" : 15,
255
"CREATED_ALIAS" : 16,
"CREATED_DATE" : 19,
"LAST_UPDATE_BY_ALIAS" : 16,
"ALIAS" : 16,
"EMAIL_BOUNCED_DATE" : 19,
"CLOSE_MONTH" : 17,
"LAST_UPDATE_BY" : 15,
"CREATED_MONTH" : 17,
"LAST_ACTIVITY" : 17,
"ACCOUNT_LAST_ACTIVITY" : 17,
"CLOSE_DATE" : 17,
"CREATED" : 15,
"LAST_UPDATE" : 19,
"CLOSE_DATE2" : 17,
"OWNER_MANAGER" : 15,
"LAST_STAGE_CHANGE_DATE" : 19,
"ROLLUP_DESCRIPTION" : 7,
"FULL_NAME" : 15,
"ACCOUNT_OWNER_ALIAS" : 16,
"OWNER_ROLE_DISPLAY" : 7
},
"equivalentFields" : [ {  
"LeadList" : [ {  
"name" : "CREATED"
},  
"name" : "LAST_UPDATE_BY"
}],
"Opportunity" : [ {  
"name" : "CREATED"
},  
"name" : "LAST_UPDATE_BY"
},  
"name" : "FULL_NAME"
},  
"name" : "OWNER_MANAGER"
},  
"name" : "ACCOUNT_OWNER"
} ]},
{  
"LeadList" : [ {  
"name" : "CREATED_ALIAS"
},  
"name" : "LAST_UPDATE_BY_ALIAS"
}],
"Opportunity" : [ {  
"name" : "CREATED_ALIAS"
},  
"name" : "LAST_UPDATE_BY_ALIAS"
},  
"name" : "ALIAS"
},  
"name" : "ACCOUNT_OWNER_ALIAS"
} ]}
"LeadList" : [ { "name" : "LAST_UPDATE_BY" }, { "name" : "CREATED" } ],
"Opportunity" : [ { "name" : "LAST_UPDATE_BY" }, { "name" : "CREATED" }, { "name" : "FULL_NAME" }, { "name" : "OWNER_MANAGER" }, { "name" : "ACCOUNT_OWNER" } ]
],
"LeadList" : [ { "name" : "LAST_UPDATE_BY_ALIAS" }, { "name" : "CREATED_ALIAS" } ],
"Opportunity" : [ { "name" : "LAST_UPDATE_BY_ALIAS" }, { "name" : "CREATED_ALIAS" }, { "name" : "ALIAS" }, { "name" : "ACCOUNT_OWNER_ALIAS" } ]
],
"LeadList" : [ { "name" : "CREATED_DATE" }, { "name" : "LAST_UPDATE" }, { "name" : "EMAIL_BOUNCED_DATE" } ],
"Opportunity" : [ { "name" : "CREATED_DATE" }, { "name" : "LAST_STAGE_CHANGE_DATE" }, { "name" : "LAST_UPDATE" }, { "name" : "ACCOUNT_CREATED_DATE" }, { "name" : "ACCOUNT_LAST_UPDATE" } ]
],
"LeadList" : [ { "name" : "CREATED_MONTH" } ]
"name": "LAST_ACTIVITY"
],
"Opportunity": [
  {
    "name": "CLOSE_DATE"
  },
  {
    "name": "CLOSE_DATE2"
  },
  {
    "name": "CLOSE_MONTH"
  },
  {
    "name": "LAST_ACTIVITY"
  },
  {
    "name": "ACCOUNT_LAST_ACTIVITY"
  }
],
"LeadList": [
  {
    "name": "LAST_UPDATE"
  },
  {
    "name": "CREATED_DATE"
  },
  {
    "name": "EMAIL_BOUNCED_DATE"
  }
],
"Opportunity": [
  {
    "name": "LAST_UPDATE"
  },
  {
    "name": "LAST_STAGE_CHANGE_DATE"
  },
  {
    "name": "CREATED_DATE"
  },
  {
    "name": "ACCOUNT_CREATED_DATE"
  },
  {
    "name": "ACCOUNT_LAST_UPDATE"
  }
],
"LeadList": [
  {
    "name": "OWNER_ROLE_DISPLAY"
  }
],
"Opportunity": [
  {
    "name": "ROLLUP_DESCRIPTION"
  }
],
"LeadList": [
  {
    "name": "LAST_ACTIVITY"
  },
  {
    "name": "CREATED_MONTH"
  }
],
"Opportunity": [
  {
    "name": "LAST_ACTIVITY"
  },
  {
    "name": "CLOSE_DATE"
  },
  {
    "name": "CLOSE_DATE2"
  },
  {
    "name": "CLOSE_MONTH"
  }
]
"name" : "ACCOUNT_LAST_ACTIVITY"
 },
 "LeadList" : [ { "name" : "EMAIL_BOUNCED_DATE"
 }, { "name" : "CREATED_DATE"
 }, { "name" : "LAST_UPDATE"
 } ],
 "Opportunity" : [ { "name" : "LAST_STAGE_CHANGE_DATE"
 }, { "name" : "CREATED_DATE"
 }, { "name" : "LAST_UPDATE"
 }, { "name" : "ACCOUNT_CREATED_DATE"
 }, { "name" : "ACCOUNT_LAST_UPDATE"
 } ]
 },
 "LeadList" : [ { "name" : "LAST_ACTIVITY"
 }, { "name" : "CREATED_MONTH"
 } ],
 "Opportunity" : [ { "name" : "CLOSE_DATE2"
 }, { "name" : "CLOSE_DATE"
 }, { "name" : "CLOSE_MONTH"
 }, { "name" : "LAST_ACTIVITY"
 }, { "name" : "ACCOUNT_LAST_ACTIVITY"
 } ]
 },
 "LeadList" : [ { "name" : "LAST_ACTIVITY"
 }, { "name" : "CREATED_MONTH"
 } ],
 "Opportunity" : [ { "name" : "CLOSE_MONTH"
 }, { "name" : "CLOSE_DATE"
 }, { "name" : "CLOSE_DATE2"
 }, { "name" : "LAST_ACTIVITY"
 }, { "name" : "ACCOUNT_LAST_ACTIVITY"
 } ]
}
"LeadList" : [ {
    "name" : "CREATED"
}, {
    "name" : "LAST_UPDATE_BY"
} ],
"Opportunity" : [ {
    "name" : "FULL_NAME"
}, {
    "name" : "CREATED"
}, {
    "name" : "LAST_UPDATE_BY"
}, {
    "name" : "OWNER_MANAGER"
}, {
    "name" : "ACCOUNT_OWNER"
} ],
"LeadList" : [ {
    "name" : "CREATED_ALIAS"
}, {
    "name" : "LAST_UPDATE_BY_ALIAS"
} ],
"Opportunity" : [ {
    "name" : "ALIAS"
}, {
    "name" : "CREATED_ALIAS"
}, {
    "name" : "LAST_UPDATE_BY_ALIAS"
}, {
    "name" : "ACCOUNT_OWNER_ALIAS"
} ],
"LeadList" : [ {
    "name" : "CREATED"
}, {
    "name" : "LAST_UPDATE_BY"
} ],
"Opportunity" : [ {
    "name" : "OWNER_MANAGER"
}, {
    "name" : "CREATED"
}, {
    "name" : "LAST_UPDATE_BY"
}, {
    "name" : "FULL_NAME"
}, {
    "name" : "ACCOUNT_OWNER"
} ],
"LeadList" : [ {
    "name" : "CREATED"
}, {
    "name" : "CREATED"
} ]
"name" : "LAST_UPDATE_BY"
}],
"Opportunity" : [ {
  "name" : "ACCOUNT_OWNER"
}, {
  "name" : "CREATED"
}, {
  "name" : "FULL_NAME"
}, {
  "name" : "OWNER_MANAGER"
}]
],
"LeadList" : [ {
  "name" : "CREATED_ALIAS"
}, {
  "name" : "LAST_UPDATE_BY_ALIAS"
}],
"Opportunity" : [ {
  "name" : "ACCOUNT_OWNER_ALIAS"
}, {
  "name" : "CREATED_ALIAS"
}, {
  "name" : "LAST_UPDATE_BY_ALIAS"
}, {
  "name" : "ALIAS"
}]
],
"LeadList" : [ {
  "name" : "LAST_ACTIVITY"
}, {
  "name" : "CREATED_MONTH"
}],
"Opportunity" : [ {
  "name" : "ACCOUNT_LAST_ACTIVITY"
}, {
  "name" : "CLOSE_DATE"
}, {
  "name" : "CLOSE_DATE2"
}, {
  "name" : "CLOSE_MONTH"
}, {
  "name" : "LAST_ACTIVITY"
}]
],
"LeadList" : [ {
  "name" : "CREATED_DATE"
}, {
  "name" : "LAST_UPDATE"
}, {
  "name" : "EMAIL_BOUNCED_DATE"
}],
"Opportunity" : [ {

Report Error Codes

Errors can occur at the report level. Report-level error messages are returned in the response header.

When a report-level error occurs, the response header contains an HTTP response code and one of the following error messages:

<table>
<thead>
<tr>
<th>HTTP Response Code</th>
<th>Error Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>The specified start date of &lt;column name&gt; specified for the standard date filter is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>The specified end date of &lt;column name&gt; specified for the standard date filter is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>The column &lt;column name&gt; specified for the standard date filter is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>The column &lt;column name&gt; cannot be a standard date filter because it is not a date column.</td>
</tr>
<tr>
<td>400</td>
<td>The duration &lt;value&gt; specified for the standard date filter is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>The report folder ID must be a valid folder ID.</td>
</tr>
<tr>
<td>HTTP Response Code</td>
<td>Error Message</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>400</td>
<td>The report folder ID can't be null.</td>
</tr>
<tr>
<td>400</td>
<td>The report name can't be null.</td>
</tr>
<tr>
<td>400</td>
<td>Column sorting isn't supported for matrix reports.</td>
</tr>
<tr>
<td>400</td>
<td>The sort column name must be from a selected column.</td>
</tr>
<tr>
<td>400</td>
<td>The sort column name can't be null.</td>
</tr>
<tr>
<td>400</td>
<td>A report can only be sorted by one column.</td>
</tr>
<tr>
<td>400</td>
<td>A snapshot date is not in the correct format. Accepted formats are one of the rolling dates defined or yyyy-MM-dd.</td>
</tr>
<tr>
<td>400</td>
<td>The request is invalid because reports that are not historical trending reports cannot have historical snapshot dates.</td>
</tr>
<tr>
<td>400</td>
<td>The request is invalid because there are no historical snapshot dates in the request body. Specify historical snapshot dates, or set historical snapshot dates as an empty array to omit them.</td>
</tr>
<tr>
<td>400</td>
<td>Only a report with fewer than 100 columns can be run. The columns are fields specified as detail columns, summaries, or custom summary formulas. Remove unneeded columns from the report and try again.</td>
</tr>
<tr>
<td>400</td>
<td>Can't run the report because it doesn't have any columns selected. Be sure to add fields as columns to the report through the user interface.</td>
</tr>
<tr>
<td>400</td>
<td>The request is invalid because there are no filters. Specify filters or set filters as an empty array to omit them.</td>
</tr>
<tr>
<td>400</td>
<td>The filter value for ID &lt;value&gt; is incorrect. Specify an ID that is 15 or 18 characters long, such as 006D000000CrRLw or 005U0000000Rg2CIAS.</td>
</tr>
<tr>
<td>400</td>
<td>Specify a valid filterable column because &lt;value&gt; is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>Specify a valid condition because &lt;value&gt; is invalid.</td>
</tr>
<tr>
<td>400</td>
<td>Filter the date in the correct format. Accepted formats are yyyy-MM-dd'T'HH:mm:ss'Z' and yyyy-MM-dd.</td>
</tr>
<tr>
<td>400</td>
<td>The date formula is too large. Specify a reasonable value.</td>
</tr>
<tr>
<td>400</td>
<td>The request is invalid because there is no metadata. Specify metadata in the request body.</td>
</tr>
<tr>
<td>400</td>
<td>The clone request must contain a valid cloneId parameter.</td>
</tr>
<tr>
<td>403</td>
<td>The report can't be deleted because there are one or more dashboards referencing it.</td>
</tr>
<tr>
<td>403</td>
<td>You don't have permission to create reports in the given folder.</td>
</tr>
<tr>
<td>403</td>
<td>You don't have permission to edit reports in the given folder.</td>
</tr>
<tr>
<td>403</td>
<td>The report definition is obsolete. Your administrator has disabled all reports for the custom object, or its relationships have changed.</td>
</tr>
<tr>
<td>403</td>
<td>You don't have permission to run reports. Check that you have the Run Reports user permission.</td>
</tr>
<tr>
<td>403</td>
<td>You don't have sufficient privileges to perform this operation.</td>
</tr>
</tbody>
</table>
## Report Types

Use the Report Types API to get information about what report types are available in your org. The Report Types API is available in API version 39.0 and later.

Resources for the Report Types API are available at `/services/data/<latest API version>/analytics/report-types`. You can query each resource with an HTTP method.

Note: You can use either `report-types` or `reportTypes` when referring to a report type resource. The two are equivalent.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Supported HTTP Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Type List</td>
<td>GET</td>
<td>Returns a list of available report types.</td>
</tr>
</tbody>
</table>
Report Type List

Return a list of report types.

Syntax

URI

/vXX.X/analytics/report-types

Formats

JSON

HTTP methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Returns a list of report types.</td>
</tr>
</tbody>
</table>

GET Response Body

An array of report type folder objects. Each object contains the following fields:

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The end user-facing name of the report type folder.</td>
</tr>
<tr>
<td>report-types</td>
<td>report-types[]</td>
<td>An array of report type objects. Each object contains the following fields:</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>describeUrl</td>
<td>String</td>
<td>A URL link to the report type’s metadata.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>Optional. A description of the report type.</td>
</tr>
<tr>
<td>isHidden</td>
<td>Boolean</td>
<td>Indicates whether an administrator has hidden the report type (true) or not (false). Hidden report types don’t appear in the report builder when creating a report.</td>
</tr>
<tr>
<td>isHistorical</td>
<td>Boolean</td>
<td>Optional. true for historical tracking report types. If this property is missing, the value is assumed to be false.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>The end user-facing name of the report type in the report builder.</td>
</tr>
<tr>
<td>supportsJoinedFormat</td>
<td>Boolean</td>
<td>Specifies whether a report type is compatible with joined reports (true) or not (false).</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>The API name of the report type.</td>
</tr>
</tbody>
</table>

**Report Type**

Return metadata about a report type.

**Syntax**

**URI**

`/vXX.X/analytics/reportTypes/type`

**Formats**

`JSON`

**HTTP methods**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Return metadata about a report type</td>
</tr>
</tbody>
</table>

**GET Request Body**

A notification object with desired changes.

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportMetadata</td>
<td>Report metadata</td>
<td>Unique identifiers for groupings and summaries.</td>
</tr>
<tr>
<td>reportTypeMetadata</td>
<td>Report type metadata</td>
<td>Fields in each section of a report type plus filter information for those fields.</td>
</tr>
<tr>
<td>reportExtendedMetadata</td>
<td>Report extended metadata</td>
<td>Additional information about summaries and groupings.</td>
</tr>
</tbody>
</table>
### Report extended metadata

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregateColumnInfo</td>
<td>Aggregate column information</td>
<td>Includes all report summaries such as, Record Count, Sum, Average, Max, Min, and custom summary formulas. Contains values for each summary listed in the report metadata aggregates.</td>
</tr>
<tr>
<td>detailColumnInfo</td>
<td>Detail column information</td>
<td>Two properties for each field that has detailed data identified by its unique API name. The detailed data fields are also listed in the report metadata.</td>
</tr>
<tr>
<td>groupingColumnInfo</td>
<td>Grouping column information</td>
<td>Map of each row or column grouping to its metadata. Contains values for each grouping identified in the groupingsDown and groupingsAcross list.</td>
</tr>
<tr>
<td>historicalColumnInfo</td>
<td>Historical column information</td>
<td>Provides additional information on columns that exist only in historical trending reports. (This property is applicable only to historical trending reports.)</td>
</tr>
</tbody>
</table>

#### Aggregate column information

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name for record count, or the summarized or custom summary formula field.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the summarized or custom summary formula field.</td>
</tr>
<tr>
<td>acrossGroupingContext</td>
<td>String</td>
<td>Column grouping in the report where the custom summary formula is displayed. As this example shows in the JSON response and in the custom summary formula editor of the matrix report, the custom summary formula is set at the grand summary level for the columns.</td>
</tr>
</tbody>
</table>

```json
{
    "reportExtendedMetadata" : {
        "aggregateColumnInfo" : {
            "FORMULA1" : {
                "label" : "Stalled Oppty Avg",
                "dataType" : "Percent",
                "acrossGroupingContext" : "GRAND_SUMMARY",
                "downGroupingContext" : "GRAND_SUMMARY"
            }
        }
    }
}
```
### Property Type Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>downGroupingContext</td>
<td>String</td>
<td>Row grouping in the report where the custom summary formula is displayed. In this example, the custom summary formula for a summary report is displayed at the first grouping level. This example is shown in both the JSON response and in the custom summary formula editor of the summary report.</td>
</tr>
</tbody>
</table>

```json
{
    "reportExtendedMetadata" : {
        "aggregateColumnInfo" : { ...
        
        "FORMULA1" : {
            "label" : "Average Won",
            "dataType" : "Number",
            "acrossGroupingContext" : null,
            "downGroupingContext" : "TYPE"
        }
    }
}
```

### Detail column information

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The localized display name of a standard field, the ID of a custom field, or the API name of a bucket field that has detailed data.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>The data type of the field that has detailed data. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• string</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• boolean</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• combobox</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• currency</td>
</tr>
</tbody>
</table>

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### Property Types

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>datetime</td>
</tr>
<tr>
<td></td>
<td></td>
<td>double</td>
</tr>
<tr>
<td></td>
<td></td>
<td>email</td>
</tr>
<tr>
<td></td>
<td></td>
<td>html</td>
</tr>
<tr>
<td></td>
<td></td>
<td>id</td>
</tr>
<tr>
<td></td>
<td></td>
<td>int</td>
</tr>
<tr>
<td></td>
<td></td>
<td>multipicklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>percent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>phone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>picklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>reference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>text</td>
</tr>
<tr>
<td></td>
<td></td>
<td>textarea</td>
</tr>
<tr>
<td></td>
<td></td>
<td>time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>url</td>
</tr>
</tbody>
</table>

### Grouping Column Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of the field or bucket field used for grouping.</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the field used for grouping. Possible values are:</td>
</tr>
</tbody>
</table>

- string
- boolean
- combobox
- currency
- date
- datetime
- double
- email
- html
- id
- int
- multipicklist
- number
- percent
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>phone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>picklist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>reference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>text</td>
<td></td>
<td></td>
</tr>
<tr>
<td>textarea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>url</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**groupingLevel** | Integer | Level of the grouping. Value can be:
- 0, 1, or 2. Indicates first, second, or third row level grouping in summary reports.
- 0 or 1. Indicates first or second row or column level grouping in a matrix report.

**Historical column information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| baseField                   | String  | Indicates the base column for the historical data. Example: For the historical column `Opportunity__hd.Amount__hst.N_DAYS_AGO:1`, which represents the historical `Amount` column from one day ago in an Opportunity report, the base column is `Opportunity.Amount`.
| historicalSnapshotDate      | String  | The snapshot date for this historical column. Example: For the historical column `Opportunity__hd.Amount__hst.N_DAYS_AGO:1`, the snapshot date is `N_DAYS_AGO:1`, which is one day ago.
<p>| isHistoricalChange          | Boolean | True if the column represents change between two historical columns. |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aggregates</td>
<td>Array of strings</td>
<td>Unique identities for summary or custom summary formula fields in the report. For example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• a!Amount represents the average for the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• s!Amount represents the sum of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• m!Amount represents the minimum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• x!Amount represents the maximum value of the Amount column.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• s!&lt;customfieldID&gt; represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• u!{column_name} represents a unique count of values for the specified {column_name}. For example, u!AccountName returns the number of unique account name values in the AccountName field.</td>
</tr>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>buckets</td>
<td>Bucket field</td>
<td>Describes a bucket field.</td>
</tr>
<tr>
<td>chart</td>
<td>Chart[]</td>
<td>Details about the chart used in a report.</td>
</tr>
<tr>
<td>crossFilters</td>
<td>Cross filter on page 279[]</td>
<td>Cross filters applied to the report.</td>
</tr>
<tr>
<td>customDetailFormula</td>
<td>Custom Detail Formula on page 279[]</td>
<td>An array of objects that describes row-level formulas.</td>
</tr>
<tr>
<td>customSummaryFormula</td>
<td>Custom summary formula</td>
<td>Describes a custom summary formulas.</td>
</tr>
<tr>
<td>currency</td>
<td>String</td>
<td>Report currency, such as USD, EUR, GBP, for an organization that has Multi-Currency enabled. Value is null if the organization does not have Multi-Currency enabled.</td>
</tr>
<tr>
<td>dashboardSetting</td>
<td>Name/value pair</td>
<td>Allows saving of dashboard settings to allow for reports with row limit filters on dashboards. Can be configured on a report for Top-N reports. The Name and Value fields in dashboardSetting are used as Grouping and Aggregate in dashboard components.</td>
</tr>
<tr>
<td>detailColumns</td>
<td>Array of strings</td>
<td>Unique API names for the fields that have detailed data.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>Report API name.</td>
</tr>
<tr>
<td>division</td>
<td>String</td>
<td>Determines the division of records to include in the report. For example, West Coast and East Coast.</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>folderId</td>
<td>String</td>
<td>ID of the folder that contains the report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Note:</strong> When the report is in the My Personal Custom Reports folder, folderId = userId. When the report is in the Unfiled Public Reports folder, folderId = orgId.</td>
</tr>
<tr>
<td>groupingsAcross</td>
<td>Groupings across[]</td>
<td>Unique identities for each column grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• An empty array for reports in summary format as it can’t have column groupings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_($ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for a column grouping.</td>
</tr>
<tr>
<td>groupingsDown</td>
<td>Groupings down[]</td>
<td>Unique identities for each row grouping in a report. The identity is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• BucketField_($ID) for bucket fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• ID of a custom field when the custom field is used for grouping.</td>
</tr>
<tr>
<td>hasDetailRows</td>
<td>Boolean</td>
<td>Indicates whether to include detailed data with the summary data.</td>
</tr>
<tr>
<td>hasRecordCount</td>
<td>Boolean</td>
<td>Indicates whether the report shows the record count.</td>
</tr>
<tr>
<td>historicalSnapshotDates</td>
<td>Array of strings</td>
<td>List of historical snapshot dates.</td>
</tr>
<tr>
<td>id</td>
<td>String</td>
<td>Unique report ID.</td>
</tr>
<tr>
<td>name</td>
<td>String</td>
<td>Display name of the report.</td>
</tr>
<tr>
<td>presentationOptions</td>
<td>Report presentation options</td>
<td>Display options in the Lightning Report Builder.</td>
</tr>
<tr>
<td>reportBooleanFilter</td>
<td>String</td>
<td>Logic to parse custom field filters. Value is null when filter logic is not specified.</td>
</tr>
</tbody>
</table>
|                               |                       | This is an example of a report filtered to show opportunities for accounts that are either of customer or partner type OR their annual revenue exceeds 100K AND they are medium or large sized businesses. The filters are processed by the logic, "(1 OR 2) AND 3."

```json
{
  ...
  "reportBooleanFilter": "(1 OR 2) AND 3",
  "reportFilters": [
    {
      "value":
```
### Filter details

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>reportFilters</td>
<td>Filter details[]</td>
<td>List of each custom filter in the report along with the field name, filter operator, and filter value.</td>
</tr>
<tr>
<td>reportFormat</td>
<td>String</td>
<td>Format of the report. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TABULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SUMMARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MATRIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MULTI_BLOCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The MULTI_BLOCK property is available in API version 43.0 and later.</td>
</tr>
<tr>
<td>reportType</td>
<td>Report type</td>
<td>Unique API name and display name for the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>type: Of type string, this is the unique identifier of the report type.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>label: Of type string, this is the display name of the report type.</td>
</tr>
<tr>
<td>scope</td>
<td>String</td>
<td>Defines the scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>showGrandTotal</td>
<td>Boolean</td>
<td>Indicates whether the report shows the grand total.</td>
</tr>
<tr>
<td>showSubtotals</td>
<td>Boolean</td>
<td>Indicates whether the report shows subtotals, such as column or row totals.</td>
</tr>
<tr>
<td>sortBy</td>
<td>Array of strings</td>
<td>API name of the field on which the report is sorted and the direction of the sort (asc or desc).</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>standardDateFilter</td>
<td>Array of strings</td>
<td>Standard date filters available in reports. Each standard date filter contains the following properties: column, durationValue, startDate, endDate.</td>
</tr>
<tr>
<td>standardFilters</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsRoleHierarchy</td>
<td>Boolean</td>
<td>Indicates whether the report type supports role hierarchy filtering (true) or not (false).</td>
</tr>
<tr>
<td>topRows</td>
<td>Top rows</td>
<td>Describes a row limit filter applied to the report.</td>
</tr>
<tr>
<td>userOrHierarchyFilterId</td>
<td>String</td>
<td>Unique user or role ID of the user or role used by the report’s role hierarchy filter. If specified, a role hierarchy filter is applied to the report.</td>
</tr>
</tbody>
</table>

**Chart**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>chartType</td>
<td>String</td>
<td>Type of chart.</td>
</tr>
<tr>
<td>groupings</td>
<td>String</td>
<td>Report grouping.</td>
</tr>
<tr>
<td>hasLegend</td>
<td>Boolean</td>
<td>Indicates whether the report has a legend.</td>
</tr>
<tr>
<td>showChartValues</td>
<td>Boolean</td>
<td>Indicates whether the report shows chart values.</td>
</tr>
</tbody>
</table>
| summaries       | Array of strings | Unique identities for summary or custom summary formula fields in the report. For example:  
- a!Amount represents the average for the Amount column.  
- s!Amount represents the sum of the Amount column.  
- m!Amount represents the minimum value of the Amount column.  
- x!Amount represents the maximum value of the Amount column. |
### Summary

- `<customfieldID>` represents the sum of a custom field column. For custom fields and custom report types, the identity is a combination of the summary type and the field ID.

- `summaryAxisLocations` specifies the axis that shows the summary values. Valid values are `X` and `Y`.

- `title` is the name of the chart.

### Groupings down

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a row grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>Asc</code> for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- <code>Desc</code> for descending order.</td>
</tr>
<tr>
<td>dateGranularity</td>
<td>String</td>
<td>Interval set on a date field that’s used as a row grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Month</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Fiscal Quarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Fiscal Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Month in Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Calendar Day in Month</td>
</tr>
<tr>
<td>sortAggregate</td>
<td>String</td>
<td>Summary field that’s used to sort data within a grouping in a report that’s in summary format. Applies if you have the Aggregate Sort feature enabled as part of its pilot program. The value is null when data within a grouping is not sorted by a summary field. In this example, data grouped by Account Owner is sorted by the sum of Annual Revenue.</td>
</tr>
</tbody>
</table>

```json
{
    "aggregates": ["s!SALES","RowCount"],
    "groupingsDown": [
        {
            "name": "USERS.NAME",
            "sortOrder": "Desc",
            "dateGranularity": "None",
            "sortAggregate": "s!SALES"
        }
    ]
}
```
### Report presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hasStackedSummaries</td>
<td>Boolean</td>
<td>Indicates whether stacked summaries are enabled in the report.</td>
</tr>
<tr>
<td>historicalColumns</td>
<td>Historical column presentation options</td>
<td>Presentation options of the historical column.</td>
</tr>
</tbody>
</table>

```json
"presentationOptions" : {
  "historicalColumns" : {
    "Opportunity__hd.CloseDate__hst" : {
      "decreaseIsPositive" : false,
      "showChanges" : false
    },
    "Opportunity__hd.Amount__hst" : {
      "decreaseIsPositive" : false,
      "showChanges" : true
    }
  }
}
```

### Historical column presentation options

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decreaseIsPositive</td>
<td>Boolean</td>
<td>Indicates whether a negative change (decrease in value) is displayed in green instead of red in Lightning Report Builder.</td>
</tr>
<tr>
<td>showChanges</td>
<td>Boolean</td>
<td>Indicates whether to display a change column for a given historical column.</td>
</tr>
</tbody>
</table>

### Groupings across

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String</td>
<td>API name of the field used as a column grouping.</td>
</tr>
<tr>
<td>sortOrder</td>
<td>String</td>
<td>Order in which data is sorted within a column grouping. Value can be:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Asc for ascending order.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Desc for descending order.</td>
</tr>
</tbody>
</table>
### Date Granularity

**Property**: dateGranularity

**Type**: String

Interval set on a date field used as a column grouping. Value can be:
- Day
- Calendar Week
- Calendar Month
- Calendar Quarter
- Calendar Year
- Fiscal Quarter
- Fiscal Year
- Calendar Month in Year
- Calendar Day in Month

### Filter Details

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>column</td>
<td>String</td>
<td>Unique API name for the field that’s being filtered.</td>
</tr>
</tbody>
</table>
| filterType | String | Describes the type of value used to filter report data. Valid values are:
  - fieldToField—Filters report data by comparing values of one field with the values of a second field.
  - fieldValue—Filters report data by comparing values of a field with a defined value.
  - null—If null, the filterType defaults to fieldValue. |

In this example, the first filter is a field-to-field filter that compares the Amount field with Projected Amount field. The second filter is a field filter that returns records for which a row-level formula returns more than 0.

```json
"reportFilters" : [ 
  { 
    "column" : "AMOUNT",
    "filterType" : "fieldToField",
    "isRunPageEditable" : true,
    "operator" : "notEqual",
    "value" : "PROJECTED_AMOUNT"
  }, 
  { 
    "column" : "CDF1",
    "filterType" : " fieldValue",
    "isRunPageEditable" : true,
    "operator" : "greaterThan",
    "value" : "0"
  } ]
```

### Is Run Page Editable

**Property**: isRunPageEditable

**Type**: Boolean

Indicates if this is an editable filter in the user interface.
Unique API name for the condition used to filter a field such as "greater than" or "not equal to." Filter conditions depend on the data type of the field. Valid values are:

- equals
- notEqual
- lessThan
- greaterThan
- lessOrEqual
- greaterOrEqual
- contains
- notContain
- startsWith
- includes
- excludes
- within (DISTANCE criteria only)

Value by which a field is filtered. For example, the field Age can be filtered by a numeric value.

For datetime fields, if you make a POST request and specify a calendar date without including a time, then a default time gets included. The time defaults to midnight minus the difference between your timezone and Greenwich Mean Time (GMT). For example, if you specify 8/8/2015 and your timezone is Pacific Standard Time (GMT-700), then the API returns 2015-08-08T07:00:00Z.

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>operator</td>
<td>String</td>
<td>Unique API name for the condition used to filter a field such as &quot;greater than&quot; or &quot;not equal to.&quot; Filter conditions depend on the data type of the field. Valid values are: equals, notEqual, lessThan, greaterThan, lessOrEqual, greaterOrEqual, contains, notContain, startsWith, includes, excludes, within (DISTANCE criteria only).</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>Value by which a field is filtered. For example, the field Age can be filtered by a numeric value. For datetime fields, if you make a POST request and specify a calendar date without including a time, then a default time gets included. The time defaults to midnight minus the difference between your timezone and Greenwich Mean Time (GMT). For example, if you specify 8/8/2015 and your timezone is Pacific Standard Time (GMT-700), then the API returns 2015-08-08T07:00:00Z.</td>
</tr>
</tbody>
</table>

Bucket field

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucketType</td>
<td>BucketType</td>
<td>The type of bucket. Possible values are number, percent, and picklist.</td>
</tr>
<tr>
<td>developerName</td>
<td>String</td>
<td>API name of the bucket.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>User-facing name of the bucket.</td>
</tr>
<tr>
<td>nullTreatedAsZero</td>
<td>Boolean</td>
<td>Specifies whether null values are converted to zero (true) or not (false).</td>
</tr>
<tr>
<td>otherBucketLabel</td>
<td>String</td>
<td>Name of the fields grouped as &quot;Other&quot; (in buckets of BucketType PICKLIST).</td>
</tr>
<tr>
<td>sourceColumnName</td>
<td>String</td>
<td>Name of the bucketed field.</td>
</tr>
</tbody>
</table>

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### Bucket field value

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the bucket.</td>
</tr>
<tr>
<td>sourceDimensionValues</td>
<td>String</td>
<td>A list of the values from the source field included in this bucket category (in buckets of type PICKLIST and buckets of type TEXT).</td>
</tr>
<tr>
<td>rangeUpperBound</td>
<td>Double</td>
<td>The greatest range limit under which values are included in this bucket category (in buckets of type NUMBER).</td>
</tr>
</tbody>
</table>

### Cross filter

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>criteria</td>
<td>Array of Filter details[]</td>
<td>Information about how to filter the relatedEntity. Use to relate the primary entity with a subset of the relatedEntity.</td>
</tr>
<tr>
<td>includesObject</td>
<td>Boolean</td>
<td>Specifies whether objects returned have a relationship with the relatedEntity (true) or not (false).</td>
</tr>
<tr>
<td>primaryEntityField</td>
<td>String</td>
<td>The name of the object on which the cross filter is evaluated.</td>
</tr>
<tr>
<td>relatedEntity</td>
<td>String</td>
<td>The name of the object that the primaryEntityField is evaluated against. (The right-hand side of the cross filter).</td>
</tr>
<tr>
<td>relatedEntityJoinField</td>
<td>String</td>
<td>The name of the field used to join the primaryEntityField and relatedEntity.</td>
</tr>
</tbody>
</table>

### Custom Detail Formula

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>Formats the value returned by the row-level formula. It is required for numeric return values, invalid for non-numeric return values.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>User-defined description of the row-level formula.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>Specifies the formula expression to be evaluated. All report type fields, except bucketed fields and historical tracking fields can be referenced.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>Specifies the return type of the formula. Valid values include:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• datetime</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Specifies a name for the row-level formula.</td>
</tr>
</tbody>
</table>

**Custom summary formula**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The user-facing name of the custom summary formula.</td>
</tr>
<tr>
<td>description</td>
<td>String</td>
<td>The user-facing description of the custom summary formula.</td>
</tr>
<tr>
<td>formulaType</td>
<td>String</td>
<td>The format of the numbers in the custom summary formula. Possible values are number, currency, and percent.</td>
</tr>
<tr>
<td>decimalPlaces</td>
<td>Integer</td>
<td>The number of decimal places to include in numbers.</td>
</tr>
<tr>
<td>downGroup</td>
<td>String</td>
<td>The name of a row grouping when the downGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>downGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>acrossGroup</td>
<td>String</td>
<td>The name of a column grouping when the acrossGroupType is CUSTOM. Null otherwise.</td>
</tr>
<tr>
<td>acrossGroupType</td>
<td>String</td>
<td>Where to display the aggregate of the custom summary formula. Possible values are all, custom, and grand_total.</td>
</tr>
<tr>
<td>formula</td>
<td>String</td>
<td>The operations performed on values in the custom summary formula.</td>
</tr>
</tbody>
</table>

**Top rows**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowLimit</td>
<td>Integer</td>
<td>The number of rows returned in the report.</td>
</tr>
<tr>
<td>direction</td>
<td>String</td>
<td>The sort order of the report rows.</td>
</tr>
</tbody>
</table>

**Report type metadata**

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>categories</td>
<td>Categories[]</td>
<td>Returns all row-level formulas in a report as an object identical to the other categories objects. For row-level formulas, these properties are always false: allowedInCustomDetailFormula</td>
</tr>
<tr>
<td>Property</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Bucketable</td>
<td></td>
<td>For row-level formulas, these properties are always null:</td>
</tr>
<tr>
<td>Filterable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>isCustom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>isLookup</td>
<td></td>
<td></td>
</tr>
<tr>
<td>filterValues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>inactiveFilterValues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dataTypeFilterOperatorMap</td>
<td>Filter operator</td>
<td>Lists all the possible field data types that can be used to filter the report. Each data type, such as phone, percent, currency, or picklist has two properties:</td>
</tr>
<tr>
<td></td>
<td>reference</td>
<td>name: Of type string, this is a unique API name for each field type’s filter criteria. Use this API name in the metadata to define filter criteria for a report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>label: Of type string, this is the display name for each filter criteria available to fields of a particular data type. For example, multipicklist fields can have for filter criteria, “equals,” “not equal to,” “includes,” and “excludes.” Bucket fields are considered to be of string data type.</td>
</tr>
<tr>
<td>dateGranularityInfos</td>
<td>dateGranularityInfos</td>
<td>An array of objects each of which specifies a measure of time used to group date fields (day, week, month, fiscal quarter, and more).</td>
</tr>
<tr>
<td>divisionInfo</td>
<td>Division info[]</td>
<td>Default division and list of all possible record-level divisions that can be used in a report.</td>
</tr>
<tr>
<td>scopeInfo</td>
<td>Scope info[]</td>
<td>Scope of the data on which you run the report. For example, you can run the report against all opportunities, opportunities you own, or opportunities your team owns. Valid values depend on the report type.</td>
</tr>
<tr>
<td>standardDateFilterDurationGroups</td>
<td>Standard date filter duration groups[]</td>
<td>List of standard date filters available in reports.</td>
</tr>
<tr>
<td>standardFilterInfos</td>
<td>Array of strings</td>
<td>List of filters that show up in the report by default. The filters vary by report type. For example, standard filters for reports on the Opportunity object are Show, Opportunity Status, and Probability. This list appears as name-value string pairs.</td>
</tr>
<tr>
<td>supportsJoinedFormat</td>
<td>Boolean</td>
<td>Specifies whether a report type is compatible with joined reports (true) or not (false).</td>
</tr>
</tbody>
</table>
# Categories

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a section in the report type under which fields are organized. For example, in an Accounts with Contacts custom report type, Account General is the display name of the section that has fields on general account information.</td>
</tr>
<tr>
<td>columns</td>
<td>Column map</td>
<td>Information for all fields in the report type organized under a particular section's unique API name.</td>
</tr>
</tbody>
</table>

## Column map

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>allowedInCustomDetailFormula</td>
<td>Boolean</td>
<td>Specifies whether a field is whether a field is can be referenced in a row-level formula (true) or not (false).</td>
</tr>
<tr>
<td>bucketable</td>
<td>Boolean</td>
<td>Specifies whether a field can be used as the basis for a bucket column (true) or not (false).</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>Data type of the field.</td>
</tr>
<tr>
<td>fieldToFieldFilterable</td>
<td>Boolean</td>
<td>Specifies whether a field can be referenced in a field-to-field filter (true) or not (false).</td>
</tr>
<tr>
<td>filterValues</td>
<td>String array</td>
<td>All filter values for a field, if the field data type is of picklist, multi-select picklist, boolean, or checkbox. For example, checkbox fields always have a value of True or False. For fields of other data types, the filter value is an empty array because their values can't be determined. Filter values have two properties: name: Unique API name for a filter value. Of type string. label: Display name of a filter value. Of type string.</td>
</tr>
<tr>
<td>filterable</td>
<td>Boolean</td>
<td>False means that the field is of a type that can't be filtered. For example, fields of the type Encrypted Text can't be filtered.</td>
</tr>
<tr>
<td>isCustom</td>
<td>Boolean</td>
<td>Specifies whether a column is a custom (true) or standard (false) field.</td>
</tr>
<tr>
<td>isLookup</td>
<td>Boolean</td>
<td>Specifies whether a field is a lookup (true) or not (false).</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a field.</td>
</tr>
<tr>
<td>maxLength</td>
<td>Integer</td>
<td>Indicates the maximum permitted number of characters for the value of a column field. If there is no limit, use null.</td>
</tr>
<tr>
<td>uniqueCountable</td>
<td>Boolean</td>
<td>Specifies whether a field supports unique count (true) or not (false)</td>
</tr>
</tbody>
</table>
### dateGranularityInfos

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>The name of the time measure as it appears in the application.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>API name of the time measure.</td>
</tr>
</tbody>
</table>

### Division info

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>defaultValue</td>
<td>String</td>
<td>Users are assigned a default division that applies to their newly created accounts, leads, and custom objects that are enabled for divisions.</td>
</tr>
<tr>
<td>values</td>
<td>String</td>
<td>All division values. Division values have two properties: label: Display name of a division. name: Unique API name of a division.</td>
</tr>
</tbody>
</table>

### Scope Info

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>defaultValue</td>
<td>String</td>
<td>Default scope of the data on which you run the report.</td>
</tr>
<tr>
<td>values</td>
<td>Array of strings</td>
<td>All scope values. Valid values depend on the report type. Scope values have the following properties: allowsDivision: Allows you to segment the report by this scope. label: Display name of the scope. value: Value of the scope.</td>
</tr>
</tbody>
</table>

### Standard date filter duration groups

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of the standard date filter grouping. Valid values are Calendar Year, Calendar Quarter, Calendar Month, Calendar Week, Fiscal Year, Fiscal Quarter, Day and custom value based on a user-defined date range.</td>
</tr>
<tr>
<td>standardDateFilterDurations</td>
<td>Standard date filter durations[]</td>
<td>Details about each possible relative date filter defined under the standard date filter grouping.</td>
</tr>
</tbody>
</table>
### Standard date filter durations

<table>
<thead>
<tr>
<th>Property</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>endDate</td>
<td>String</td>
<td>End date of a date filter.</td>
</tr>
<tr>
<td>label</td>
<td>String</td>
<td>Display name of a date filter. Valid date filters are relative date filters—like Current FY and Current FQ—and custom date filters.</td>
</tr>
<tr>
<td>startDate</td>
<td>String</td>
<td>Start date of a date filter.</td>
</tr>
<tr>
<td>value</td>
<td>String</td>
<td>API name of a date filter. Valid date filters are relative date filters—like THIS_FISCAL_YEAR and NEXT_FISCAL_QUARTER—and custom date filters.</td>
</tr>
</tbody>
</table>
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