CRM Analytics REST API Developer Guide

Salesforce, Spring '26

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CONTENTS

Contents

Contents

Contents

Contents

Contents

Contents

Contents

Contents

Contents

Contents

CRM ANALYTICS REST API OVERVIEW

You can access CRM Analytics features such as datasets, dashboards, and lenses programmatically using the CRM Analytics REST API.

Using the CRM Analytics REST API, you can:

- Send queries directly to the CRM Analytics Platform.
- Access datasets that have been imported into the CRM Analytics Platform.
- Create and retrieve CRM Analytics lenses.
- Create, validate, and update templates for CRM Analytics apps.
- Back up and restore previous versions of CRM Analytics dashboards, lenses, and dataflows. See Backup and Restore Previous Versions of CRM Analytics Assets with History API.
- Run, schedule, and sync CRM Analytics dataflows, recipes, and connections. See Run, Schedule, and Sync CRM Analytics Data with REST APIs
- Retrieve a list of dataflow job nodes and details for each individual node.
- Access XMD information.
- Create and retrieve standard datasets.
- Retrieve a list of dataset versions.
- Convert Data 360 data model objects to datasets.
- Create and retrieve CRM Analytics apps.
- Create, update, and retrieve CRM Analytics dashboards.
- Retrieve a list of dependencies for an application.
- Determine what features are available to the user.
- Work with and schedule Trend in CRM Analytics report snapshots.
- Manipulate synced datasets, also known as connected objects.
- Get, add, update, and delete 'eclair' geo map charts.
- Work with data connectors.
- Retrieve or update recipe metadata. See Build, Manage, Schedule, and Run Recipes with REST APIs
- Discover whether objects and particular dataset versions have support for sharing inheritance.
- Create, update, and retrieve auto-install requests for embedded CRM Analytics applications.
- Create and retrieve collections of CRM Analytics resources.
- Create, update, and retrieve email subscriptions for updates on important analytics.
- Create and retrieve watchlists to track important metrics.
- Test JSON template transformation rules.
- Retirive analytics assets and asset files.
- Download a CRM Analytics dashboard or lens or a Lightning Experience dashboard or report as an image or PDF. For more information see, the Analytics Download resource in the Salesforce Reports and Dashboards REST API Developer Guide.
- Get Einstein Discovery predictions on Salesforce objects and more via the `smartdatadiscovery` API. For more information, see the Einstein Discovery REST API Developer Guide.

- Access Search Insights features via the `autonomous-analtyics` API. For more information, see the Search Insights REST API Developer Guide.

The CRM Analytics REST API is based on the Connect REST API and follows its conventions. For more information about the Connect REST API, see the *Connect REST API Developer Guide*.

CRM Analytics Connect REST API Release Notes
Use the Salesforce Release Notes to learn about the most recent updates and changes to the CRM Analytics Connect REST API.

Connect REST API Authorization
Connect REST API uses OAuth to securely identify your application before connecting to Salesforce.

CRM Analytics Lightning Web Components
Use CRM Analytics Lightning Web Components to retrieve data and metadata for CRM Analytics assets, execute queries, and schedule data syncs for recipes and dataflows.

API End-of-Life Policy
Salesforce is committed to supporting each API version for a minimum of three years from the date of first release. In order to mature and improve the quality and performance of the API, versions that are more than three years old might cease to be supported.

CRM Analytics Connect REST API Release Notes

Use the Salesforce Release Notes to learn about the most recent updates and changes to the CRM Analytics Connect REST API.

For new and changed CRM Analytics Connect REST resources and request and response bodies see CRM Analytics in the Salesforce Release Notes.

Note: If the API: New and Changed Items section in the Salesforce Release Notes isn't present, there aren't any updates for that release.

Connect REST API Authorization

Connect REST API uses OAuth to securely identify your application before connecting to Salesforce.

OAuth and Connect REST API

For current OAuth information, see OAuth and Connect REST API in the Connect REST API developer guide.

More Resources

Salesforce offers the following resources to help you navigate connected apps and OAuth:

- *Salesforce Help*: Connected Apps
- *Salesforce Help*: Authorize Apps with OAuth
- *Salesforce Help*: OpenID Connect Token Introspection
- *Trailhead*: Build Integrations Using Connected Apps

CRM Analytics Lightning Web Components

Use CRM Analytics Lightning Web Components to retrieve data and metadata for CRM Analytics assets, execute queries, and schedule data syncs for recipes and dataflows.

The `lightning/analyticsWaveApi` module provides wire adapters and JavaScript functions built on top of the CRM Analytics REST API. Use these wire adapters and functions to work with CRM Analytics data and metadata.

🛑 Important: Not all API endpoints have a corresponding wire adapter or function. Assets such as recipes require the recipe editor UI for creation and aren't supported in the `lightning/analyticsWaveApi` module.

Wire Adapters

`getActions`

Retrieves a collection of Salesforce actions available for the specified Analytics user. For more information on syntax and usage, see the getActions reference in the Lightning Web Components Developer Guide.

`getAnalyticsLimits`

Retrieves the Analytics limits for CRM Analytics. For more information on syntax and usage, see the getAnalyticsLimits reference in the Lightning Web Components Developer Guide.

`getDataConnector`

Retrieves a specific CRM Analytics data connector by ID or developer name. For more information on syntax and usage, see the getDataConnector reference in the Lightning Web Components Developer Guide.

`getDataConnectors`

Retrieves a collection of CRM Analytics data connectors. For more information on syntax and usage, see the getDataConnectors reference in the Lightning Web Components Developer Guide.

`getDataConnectorSourceFields`

Retrieves a collection of source fields for a source object used by a CRM Analytics data connector. For more information on syntax and usage, see the getDataConnectorSourceFields reference in the Lightning Web Components Developer Guide.

`getDataConnectorSourceObject`

Retrieves a source object used by a CRM Analytics data connector. For more information on syntax and usage, see the getDataConnectorSourceObject reference in the Lightning Web Components Developer Guide.

`getDataConnectorSourceObjectDataPreviewWithFields`

Retrieves the fields for a data preview for a source object used by a CRM Analytics data connector. For more information on syntax and usage, see the getDataConnectorSourceObjectDataPreviewWithFields reference in the Lightning Web Components Developer Guide.

`getDataConnectorStatus`

Retrieves the status for a specific CRM Analytics data connector by ID or developer name. For more information on syntax and usage, see the getDataConnectorStatus reference in the Lightning Web Components Developer Guide.

`getDataConnectorTypes`

Retrieves the collection of CRM Analytics data connector types. For more information on syntax and usage, see the getDataConnectorTypes reference in the Lightning Web Components Developer Guide.

`getDataflowJob`

Retrieves a specific CRM Analytics dataflow job. For more information on syntax and usage, see the getDataflowJob reference in the Lightning Web Components Developer Guide.

3

`getDataflowJobs`

Retrieves a collection of CRM Analytics dataflow jobs. For more information on syntax and usage, see the getDataflowJobs reference in the Lightning Web Components Developer Guide.

`getDataflowJobNode`

Retrieves a specific CRM Analytics dataflow job node for a recipe or dataflow. For more information on syntax and usage, see the getDataflowJobNode reference in the Lightning Web Components Developer Guide.

`getDataflowJobNodes`

Retrieves a collection of CRM Analytics dataflow job nodes for a recipe or dataflow. For more information on syntax and usage, see the getDataflowJobNodes reference in the Lightning Web Components Developer Guide.

`getDataflows`

Retrieves a collection of CRM Analytics dataflows. For more information on syntax and usage, see the getDataflows reference in the Lightning Web Components Developer Guide.

`getDataset`

Retrieves a specific CRM Analytics dataset by ID or developer name. For more information on syntax and usage, see the getDataset reference in the Lightning Web Components Developer Guide.

`getDatasets`

Retrieves a collection of CRM Analytics datasets. For more information on syntax and usage, see the getDatasets reference in the Lightning Web Components Developer Guide.

`getDatasetVersion`

Retrieves a specific CRM Analytics dataset version by ID or developer name. For more information on syntax and usage, see the getDatasetVersion reference in the Lightning Web Components Developer Guide.

`getDatasetVersions`

Retrieves a collection of versions for a CRM Analytics dataset. For more information on syntax and usage, see the getDatasetVersions reference in the Lightning Web Components Developer Guide.

`getDependencies`

Retrieves a collection of dependencies for a CRM Analytics asset. For more information on syntax and usage, see the getDependencies reference in the Lightning Web Components Developer Guide.

`getRecipe`

Retrieves a specific CRM Analytics recipe by ID. For more information on syntax and usage, see the getRecipe reference in the Lightning Web Components Developer Guide.

`getRecipes`

Retrieves a collection of CRM Analytics recipes. For more information on syntax and usage, see the getRecipes reference in the Lightning Web Components Developer Guide.

`getReplicatedDataset`

Retrieves a specific CRM Analytics replicated dataset by ID, also known as a connected object. For more information on syntax and usage, see the getReplicatedDataset reference in the Lightning Web Components Developer Guide.

`getReplicatedDatasets`

Retrieves a collection of CRM Analytics replicated datasets, also known as connected objects. For more information on syntax and usage, see the getReplicatedDatasets reference in the Lightning Web Components Developer Guide.

`getReplicatedFields`

Retrieves a collection of fields belonging to a CRM Analytics replicated dataset, also known as connected object. For more information on syntax and usage, see the getReplicatedFields reference in the Lightning Web Components Developer Guide.

`getSchedule`

Retrieves a schedule for a CRM Analytics recipe, dataflow, or data sync. For more information on syntax and usage, see the getSchedule reference in the Lightning Web Components Developer Guide.

`getSecurityCoverageDatasetVersion`

Retrieves the security coverage for a specific CRM Analytics dataset version by ID or developer name. For more information on syntax and usage, see the getSecurityCoverageDatasetVersion reference in the Lightning Web Components Developer Guide.

`getStories`

Retrieves a collection of Einstein Discovery stories. For more information on syntax and usage, see the getStories reference in the Lightning Web Components Developer Guide.

`getWaveFolder`

Retrieves a specific CRM Analytics app or folder. For more information on syntax and usage, see the getWaveFolder reference in the Lightning Web Components Developer Guide.

`getWaveFolders`

Retrieves a collection of CRM Analytics apps or folders. For more information on syntax and usage, see the getWaveFolders reference in the Lightning Web Components Developer Guide.

`getWaveTemplate`

Retrieves a CRM Analytics template by ID or API name. For more information on syntax and usage, see the getWaveTemplate reference in the Lightning Web Components Developer Guide.

`getWaveTemplateConfig`

Retrieves the configuration for a CRM Analytics template by ID or API name. For more information on syntax and usage, see the getWaveTemplateConfig reference in the Lightning Web Components Developer Guide.

`getWaveTemplateReleaseNotes`

Retrieves the release notes for a CRM Analytics template by ID or API name. For more information on syntax and usage, see the getWaveTemplateReleaseNotes reference in the Lightning Web Components Developer Guide.

`getWaveTemplates`

Retrieves a collection of CRM Analytics templates. For more information on syntax and usage, see the getWaveTemplates reference in the Lightning Web Components Developer Guide.

`getXmd`

Retrieves a specific CRM Analytics extended metadata type (Xmd) for a version of a dataset. For more information on syntax and usage, see the getXmd reference in the Lightning Web Components Developer Guide.

Functions

`createDataConnector`

Creates an instance of a CRM Analytics connector to connect to data in your Salesforce orgs, apps, data warehouses, and database services. For more information on syntax and usage, see the createDataConnector reference in the Lightning Web Components Developer Guide.

`createDataflowJob`

Creates a CRM Analytics dataflow job, which is the equivalent of clicking **Run Now** for a data prep recipe, a data sync, or a dataflow in the CRM Analytics Data Manager UI. For more information on syntax and usage, see the createDataflowJob reference in the Lightning Web Components Developer Guide.

createDataset

Creates a dataset. For more information on syntax and usage, see the createDataset reference in the Lightning Web Components Developer Guide.

createDatasetVersion

Creates a version for a specific CRM Analytics dataset by ID or developer name. For more information on syntax and usage, see the createDatasetVersion reference in the Lightning Web Components Developer Guide.

createReplicatedDataset

Creates a CRM Analytics replicated dataset, also known as a connected object. For more information on syntax and usage, see the createReplicatedDataset reference in the Lightning Web Components Developer Guide.

deleteDataConnector

Deletes a specific CRM Analytics connector by ID or developer name. For more information on syntax and usage, see the deleteDataConnector reference in the Lightning Web Components Developer Guide.

deleteDataset

Deletes a specific CRM Analytics dataset by ID or developer name. For more information on syntax and usage, see the deleteDataset reference in the Lightning Web Components Developer Guide.

deleteRecipe

Deletes a specific CRM Analytics recipe by ID. For more information on syntax and usage, see the deleteRecipe reference in the Lightning Web Components Developer Guide.

deleteReplicatedDataset

Deletes a specific CRM Analytics replicated dataset by ID. For more information on syntax and usage, see the deleteReplicatedDataset reference in the Lightning Web Components Developer Guide.

deleteWaveFolder

Deletes a specific CRM Analytics app or folder by ID. For more information on syntax and usage, see the deleteWaveFolder reference in the Lightning Web Components Developer Guide.

executeQuery

Executes a CRM Analytics query written in Salesforce Analytics Query Language (SAQL) or standard SQL. For more information on syntax and usage, see the executeQuery reference in the Lightning Web Components Developer Guide.

ingestDataConnector

Triggers the CRM Analytics to run a data sync. For more information on syntax and usage, see the ingestDataConnector reference in the Lightning Web Components Developer Guide.

postWaveFolders

Creates a CRM Analytics app or folder by ID. For more information on syntax and usage, see the postWaveFolders reference in the Lightning Web Components Developer Guide.

updateDataConnector

Updates a CRM Analytics data connector. For more information on syntax and usage, see the updateDataConnector reference in the Lightning Web Components Developer Guide.

updateDataflowJob

Updates a CRM Analytics dataflow job, which is the equivalent of clicking **Stop** for a data prep recipe, a data sync, or a dataflow in the CRM Analytics Data Manager UI. For more information on syntax and usage, see the updateDataflowJob reference in the Lightning Web Components Developer Guide.

`updateDataset`

Updates a specific CRM Analytics dataset by ID or developer name. For more information on syntax and usage, see the updateDataset reference in the Lightning Web Components Developer Guide.

`updateDatasetVersion`

Updates a specific CRM Analytics dataset version by ID or developer name. For more information on syntax and usage, see the updateDatasetVersion reference in the Lightning Web Components Developer Guide.

`updatePartialWaveFolder`

Performs a partial update for a CRM Analytics app or folder by ID. For more information on syntax and usage, see the updatePartialWaveFolder reference in the Lightning Web Components Developer Guide.

`updateRecipe`

Updates a CRM Analytics recipe. For more information on syntax and usage, see the updateRecipe reference in the Lightning Web Components Developer Guide.

`updateReplicatedDataset`

Updates a CRM Analytics replicated dataset by ID. For more information on syntax and usage, see the updateReplicatedDataset reference in the Lightning Web Components Developer Guide.

`updateReplicatedFields`

Updates the collection of fields for a CRM Analytics replicated dataset by ID. For more information on syntax and usage, see the updateReplicatedFields reference in the Lightning Web Components Developer Guide.

`updateSchedule`

Updates the schedule for a CRM Analytics data prep recipe, data sync, or dataflow. For more information on syntax and usage, see the updateSchedule reference in the Lightning Web Components Developer Guide.

`updateXmd`

Updates the user Xmd for a CRM Analytics dataset. For more information on syntax and usage, see the updateXmd reference in the Lightning Web Components Developer Guide.

`updateWaveFolder`

Updates a CRM Analytics app or folder by ID. For more information on syntax and usage, see the updateWaveFolder reference in the Lightning Web Components Developer Guide.

`validateWaveTemplate`

Validates a CRM Analytics template for org readiness. For more information on syntax and usage, see the valildateWaveTemplate reference in the Lightning Web Components Developer Guide.

API End-of-Life Policy

Salesforce is committed to supporting each API version for a minimum of three years from the date of first release. In order to mature and improve the quality and performance of the API, versions that are more than three years old might cease to be supported.

When an API version is to be deprecated, advance notice is given at least one year before support ends. Salesforce will directly notify customers using API versions planned for deprecation.

Salesforce API Versions	Version Support Status	Version Retirement Info
Versions 31.0 through 66.0	Supported.	
Versions 21.0 through 30.0	As of Summer '25, these versions are retired and unavailable.	Salesforce Platform API Versions 21.0 through 30.0 Retirement
Versions 7.0 through 20.0	As of Summer '22, these versions are retired and unavailable.	Salesforce Platform API Versions 7.0 through 20.0 Retirement

If you request any resource or use an operation from a retired API version, REST API returns `410:GONE` error code.

To identify requests made from old or unsupported API versions of REST API, access the free API Total Usage event type.

QUICK START

Connect to a Salesforce Trailhead org and authenticate. Then make a request to the CRM Analytics REST API in Postman, and look at the response.

Prerequisites
Complete these prerequisites before you begin the quick start.

Configure Your Trailhead Org
To configure your Trailhead org, set up Cross-Origin Resource Sharing (CORS) and a connected app.

Authenticate to Your Trailhead Playground Org
After configuring the connected app, you must authorize your user with the connected app.

Set Up Your Postman Collection
Set up Postman to work with the Salesforce CRM Analytics Connect API collection.

Use Postman to Send a CRM Analytics Request
With Postman, you can explore and test your CRM Analytics API calls across multiple organizations with full control on headers, parameters, and content type.

Prerequisites

Complete these prerequisites before you begin the quick start.

- Download and install the Postman Desktop App.
- Generate a private-public keypair (.key and .crt files) on your Mac or Microsoft® Windows®machine if you haven't already done so.
- Sign up for a Trailhead Playground org with CRM Analytics enabled.

Configure Your Trailhead Org

To configure your Trailhead org, set up Cross-Origin Resource Sharing (CORS) and a connected app.

Set up CORS and your connected app.

Set Up CORS

CORS allows code running in a web browser to communicate with Salesforce from a specific origin. To add the URL patterns for Postman:

1. In your Trailhead Playground, from Setup, in the Quick Find box, enter `cors`, and then select **CORS**.

2. In the Allowed Origins List, click **New**.

3. Enter `https://*.postman.com` as the Origin URL Pattern.

4. Save your work.

5. Click **New**, and enter `https://*.postman.com` as the Origin URL Pattern.

6. Save your work again.

Set Up a Connected App

To set up your connected app:

1. From Setup, in the Quick Find box, enter `App Manager`, and then select **New Connected App**.

2. Enter the app name in the Connected App Name field, and enter your email address in the Contact Email field.

3. Under API Heading, select **Enable OAuth Settings**.

4. Enter the callback URL: `https://oauth.pstmn.io/v1/callback`.

5. Select **Use digital signatures**.

6. Select **Choose File**, and then select the host.crt file from your private public keypair.

7. Under Selected OAuth Scopes, select the **Manage user data via APIs (api)** and the **Perform requests at any time (refresh_token, offline_access)** scopes.

8. Deselect **Require Proof Key for Code Exchange (PKCE) Extension for Supported Authorization Flow**.

9. Save your work.

10. On the connected app details page, click the **Manage Consumer Details** button. This action triggers a verification code sent to your email. Then you can see the Key and Secret values.

11. At the top of the new connected app, click **Manage**, and then select **Edit Policies**.

12. Under IP Relaxation, select **Relax IP restrictions**, and save your changes.

Authenticate to Your Trailhead Playground Org

After configuring the connected app, you must authorize your user with the connected app.

Authorize the app

Construct a URL by using this format.

```
YOUR_ORG_URL/services/oauth2/authorize?response_type=code&client_id=YOUR_CONSUMER_KEY&scope=api
 refresh_token offline_access &redirect_uri=https://oauth.pstmn.io/v1/callback
```

*   `YOUR_ORG_URL` is the fully qualified instance URL.

*   `YOUR_CONSUMER_KEY` is the consumer key noted when you set up the connected app.

Next, paste the URL into a browser and execute it, and then select **Allow** for each of the scopes requested in the modal that appears. If you receive an alert from the callback, select **Open Postman.**. To verify that everything is authorized, from Setup, in the box, enter `Connected Apps OAuth Usage`, and confirm that you see your connected app with a user count of 1.

Set Up Your Postman Collection

Set up Postman to work with the Salesforce CRM Analytics Connect API collection.

Create your Postman workspace, fork the collection, and authorize your org.

Create a Postman Workspace

Configure the desktop Postman app if you haven't already done so.

1. Make sure that you previously downloaded and installed the Postman Desktop App.

2. Select the **Workspaces** menu.

3. Select **Create Workspace**.

4. Name your workspace, for example, `SalesforceCRMACollection`.

5. For Visibility, set it to **Personal**.

6. Click **Create Workspace**.

Fork the Salesforce CRM Analytics API Collection

Fork the main collection for your own use.

1. At the top of your Postman Desktop app, click **Search Postman**, click **Teams**, and enter `Salesforce Developers` in the search bar.

2. Click **Salesforce Developers**, then click the **Salesforce Developers** tile.

3. Hover over the Subscription Management collection, click the three dots, then click **Create a Fork**.

4. Label the fork, choose the workspace, and click **Fork Collection**. Your workspace contains your fork of the CRM Analytics Connect API collection.

Authorize your Org

Authorize your Salesforce Trailhead org for your forked collection.

1. In your Postman workspace, select your forked Salesforce CRM Analytics Connect APIs collection.

2. Select **No Environment.**

3. Click the **Authorization** tab, and select **OAuth 2.0** as the type.

4. At the bottom of the Authorization tab, click **Get New Access Token**.

5. To let the Collection access your Trailhead Playground, click **Allow**. A success message appears briefly, and then you're redirected to the Manage Access Tokens dialog.

6. Verify that the `instance_url` points to your Trailhead Playground.

7. Copy the `instance_url`, making sure to copy only the URL with no extra characters.

8. Click **Use Token**.

9. Select the **Variables** tab.

10. In the `_endpoint` row, CURRENT VALUE column, paste the `instance_url` value that you copied previously.

11. Set the Salesforce API version number in the `version` row, CURRENT VALUE column.

12. Enter the URL that you run each request against in the `baseURL` row, CURRENT VALUE column.

13. Save your work.

Use Postman to Send a CRM Analytics Request

With Postman, you can explore and test your CRM Analytics API calls across multiple organizations with full control on headers, parameters, and content type.

To make a request to your org:

1. Select the **CRM Analytics Collect API** folder to expand it.

2. To access a related collection of endpoints, select a subfolder. For this example, we use the Folders | GETWaveFolderCollection.

3. Click **Send**, and verify that the status is 200

CRM ANALYTICS REST API EXAMPLES

Use CRM Analytics REST API examples to perform tasks.

While using the CRM Analytics REST API, keep this in mind:

- Request parameters may be included as part of the CRM Analytics REST API resource URL, for example, `/wave/folders?q=`***searchtext***. A request body is a rich input which may be included as part of the request. When accessing a resource, you can use either a request body or request parameters. You cannot use both.
- With a request body, use `Content-Type: application/json` or `Content-Type: application/xml`.
- With request parameters, use `Content-Type: application/x-www-form-urlencoded`.
- To test working example of the CRM Analytics API endpoints and view payload information, see theCRM Analytics Connect API Collection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start

  Query CRM Analytics Data with the Query API
  Use the CRM Analytics REST API to directly query analytics data using SAQL or SQL queries.

  Backup and Restore Previous Versions of CRM Analytics Assets with History API
  When you edit CRM Analytics dashboards, lenses, recipes, and dataflows, CRM Analytics backs them up automatically. When you save a new version of an asset, CRM Analytics creates a snapshot of it. You can then preview snapshots and revert to previous versions using the REST History API.

  Run, Schedule, and Sync CRM Analytics Data with REST APIs
  You can use the CRM Analytics REST API to automate features, like running and scheduling data syncs, dataflows and recipes.

Query CRM Analytics Data with the Query API

Use the CRM Analytics REST API to directly query analytics data using SAQL or SQL queries.

Execute Analytics Queries Programmatically

You can use a REST API to query analytics datasets using either SAQL or SQL query statements. The query endpoint is `wave/query` and takes a POST request body using a SAQL Query Input to execute the query.

> **Note:** You can use the Lightning Web Component `lightning/analyticsWaveApi` module to bring this functionality into Salesforce, without proxying REST APIs directly. For more information, see the reference section for the `executeQuery` function.

Example SAQL Query Request

For SAQL queries executed using REST API, you must have both the dataset ID and the dataset version ID to specify the dataset you want to query. Using the name of the dataset in the query returns an error. The only required attribute for the request is `query`.

```
{
    "query" : "q = load \"<datasetId>/<datasetVersionId>\"; q = group q by 'Status'; q
 = foreach q generate 'Status' as 'Status', count() as 'count'; q = limit q 20;",
```

13

```
      "queryLanguage" : "SAQL"
}
```

Example SAQL Query Response

The response results include `metadata` and `records`. It also returns the original query and the response time. If there are warnings or errors, `warnings` is included. For the SAQL query executed in the previous example, here's the response:

```
{
  "action" : "query",
  "responseId" : "4l-kl6BTnH4ay9-qbx2Re-",
  "results" : {
    "metadata" : [ {
      "lineage" : {
        "type" : "foreach",
        "projections" : [ {
          "field" : {
            "id" : "q.Status",
            "type" : "string"
          },
          "inputs" : [ {
            "id" : "q.Status"
          } ]
        }, {
          "field" : {
            "id" : "q.count",
            "type" : "numeric"
          }
        } ],
        "input" : {
          "type" : "group",
          "groups" : [ {
            "id" : "q.Status"
          } ]
        }
      },
      "queryLanguage" : "SAQL"
    } ],
    "records" : [ {
      "Status" : "Closed",
      "count" : 7
    }, {
      "Status" : "Open",
      "count" : 6
    } ]
  },
  "query" : "q = load \"<datasetId>/<datasetVersionId>\"; q = group q by 'Status'; q =
foreach q generate 'Status' as 'Status', count() as 'count'; q = limit q 20;",
  "responseTime" : 3,
  "warnings" : [
    {
      "code" : "001",
      "message" : "Limit exceeded"
    },
    {
```

```
        "code" : "002",
        "message" : "Another warning..."
      }
    ]
  }
}
```

Example SQL Request Body

The default language for query execution is SAQL. To use SQL, include the attribute `"queryLanguage" : "SQL"` in your request. For SQL queries, you can use the dataset name. Here's the same query request in SQL.

```
{
  "query" : "SELECT Status, COUNT(*) as StatusCount FROM \"<name>\" GROUP BY Status
LIMIT 20;",
  "queryLanguage": "SQL"
}
```

📝 Note: If you forget to specify `"queryLanguage" : "SQL"`, the request returns a syntax error.

Example SQL Query Response

The response records look the same as the SAQL response, but the `metadata` is different. The `columns` key includes the name and type of projections in the query.

```
{
  "action" : "query",
  "responseId" : "4l-mtW26NZ4OYu-qbx3GN-",
  "results" : {
    "metadata" : [
      {
        "columns" : [
          {
            "columnLabel" : "Status",
            "columnType" : "varchar"
          },
          {
            "columnLabel" : "StatusCount",
            "columnType" : "numeric"
          }
        ],
        "queryLanguage" : "SQL"
      }
    ],
    "records" : [
      {
        "Status" : "Closed",
        "StatusCount" : 7
      },
      {
        "Status" : "Open",
        "StatusCount" : 6
      }
    ]
  },
  "query" : "SELECT Status, COUNT(*) as StatusCount FROM \"Cases1\" GROUP BY Status
LIMIT 20;",
```

```
    "responseTime" : 9
}
```

Example SQL Metadata: Group By Query With an Aggregation

The query projects the aggregation `avg(Sales)` as `AvgSales`, which returns numerical data. In the `metadata`, the corresponding column type is returned as numeric.

```
"metadata": [
  "columns": [
    {
      "columnLabel": "City",
      "columnType": "varchar"
    },
    {
      "columnLabel": "AvgSales",
      "columnType": "numeric"
    }
  ],
  "queryLanguage": "SQL"
]
```

Example SQL Query and Response Body: Extract Date Parts from a Date Field

This example returns the year, month, and day from the `CloseDate` field as numerical values. The request features the `timezone` attribute, which is attribute is optional and can only be used if timezone is enabled for the org.

```
{
  "query" : "SELECT EXTRACT(YEAR FROM CloseDate) as year, EXTRACT(MONTH FROM CloseDate)
 as month, EXTRACT(DAY FROM CloseDate) as day From "OpportunityFiscalEM"
  "queryLanguage" : "SQL",
  "timezone" : "America/Los_Angeles"
}
```

```
"metadata": [
  "columns": [
    {
      "columnLabel": "year",
      "columnType": "numeric"
    },
    {
      "columnLabel": "month",
      "columnType": "numeric"
    },
    {
      "columnLabel": "day",
      "columnType": "numeric"
    }
  ],
  "timezone": "America/Los_Angeles",
  "queryLanguage": "SQL"
]
```

Example SQL Query and Response Body: Project Date Field of Type `DateTime`

This query returns date information as timestamps.

```
{
   "query" :  "SELECT CloseDate From "OpportunityFiscalEM",
   "queryLanguage" : "SQL"
}
```

```
"metadata": [
   "columns": [
      {
         "columnLabel": "CloseDate",
         "columnType": "timestamp"
      }
   ],
   "queryLanguage": "SQL"
]
```

Query Metadata Details

Clients can parse the queries to figure out what dimensions and groups are used, but this can be expensive. So, in most cases, the query response contains a `metadata` section, which provides grouping and column information. The `metadata` section, if present, is found in the `results` key in the query response payload. The `metadata` section is structured with `columns` and `groups` keys:

```
"metadata":{
   "columns" : [
      {
         "name" : "dim name",
         "type" : "String"
      }
   ],
   "groups" : [
      "name",
      "destination"
   ]
}
```

The columns key includes the name and type of the projections of the query, and the groups key contains a list of groups used in the query.

📝 Note:

- The metadata is added when the query is successful. If the query fails to run, if there's a syntax error, or if the authorization callback fails then the metadata isn't added to the results.

- The value set in a column name is the alias given to the projection and not the name of the dimension.

- A list of the groups used in the query is returned in the groups key, provided the query isn't considered complex—where the group name returned is nondeterministic (the name of the group is used in multiple streams of the query). This is the case when the query uses cogroup or union. In such cases, the groups key is empty.

SEE ALSO:

Analytics SAQL Developer Guide

SQL for Analytics Developer Guide

Backup and Restore Previous Versions of CRM Analytics Assets with History API

When you edit CRM Analytics dashboards, lenses, recipes, and dataflows, CRM Analytics backs them up automatically. When you save a new version of an asset, CRM Analytics creates a snapshot of it. You can then preview snapshots and revert to previous versions using the REST History API.

Every time you save a new version of a dashboard, lens, recipe, or dataflow, CRM Analytics saves the older version. It also saves dashboard and lens conditional formatting.

CRM Analytics saves 20 versions of an asset, including 10 tagged and 10 untagged versions. When you save more than 20 new versions of an asset, CRM Analytics saves the new version and purges older versions. When the limit is reached and the save is for a tagged version, the oldest tagged version is purged. An untagged version save purges the oldest untagged version. To increase this limit, contact Salesforce and ask your representative to increase the org value **Maximum analytics asset histories to track in the database**, also known as `AnalyticsMaxHistories`.

You can add tags that describe asset versions to give you and other team members reminders of what's been changed and why. You can use either manual or automatic tagging.

CRM Analytics gives you two ways to manually tag an asset version.

- The Save dialog displays a Version History box when you save a dashboard or lens. Enter a short description of your changes there. (Dataflows don't have a user interface for adding tags to previous versions.)
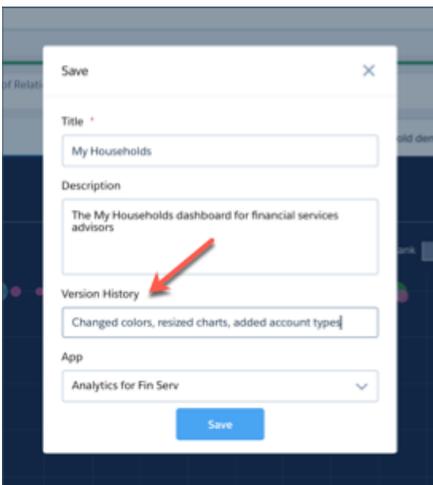
- You can also tag changes with the public REST API. Use the API to tag history records with a description, which you can do after saving the asset. You can edit existing descriptions.

```
*PATCH:
/services/data/v46.0/wave/dashboards/0FKxx0000004CAeGAM/histories/0Rmxx0000004Cx2CAE*
*REQUEST BODY: {"label" : "new description"}*
```

CRM Analytics automatically adds tags to history records in one of two ways.

- When you create and save the initial version of an asset, CRM Analytics adds the tag *Initial Create* to the history record.
- When you create or upgrade an app from a template, CRM Analytics tags history records for the app. The tag includes the template action, template name, and template version. This information helps you restore the correct previous version of an asset after you upgrade an app from a new template version.

Previewing and Reverting to Previous Asset Versions

To get a list of history records for an asset, either use cURL or Postman and execute an API call. Or enter the appropriate command in the Salesforce Command Line Interface (CLI) with the CRM Analytics plugin.

> ⚠ **Warning:** A previous version of a dashboard doesn't work if assets that the version relies on have been removed from CRM Analytics. Those assets can be other dashboards, datasets, lenses, and images.

- Dashboard history records.

    - API call:

      ```
      GET: /services/data/v526.0/wave/dashboards/<dashboardId>/histories
      ```

    - CLI command:

      ```
      sf analytics dashboard history list
      ```

- Lens history records.

    - API call:

      ```
      GET: /services/data/v52.0/wave/dashboards/<lensId>/histories
      ```

    - CLI command:

      ```
      sf analytics lens history list
      ```

- Recipe history records.

    - API call:

      ```
      GET: /services/data/v52.0/wave/recipes/<recipeId>/histories
      ```

- Dataflow history records.

    - API call:

      ```
      GET: /services/data/v52.0/wave/dataflows/<dataflowId>/histories
      ```

    - CLI command:

      ```
      sf analytics dataflow history list
      ```

Optionally, you can navigate to the History API endpoint with the URL in `historiesUrl` in the Asset Response (HATEOAS) and execute it with cURL or Postman.

Or manually execute the following REST calls from cURL or Postman:

- Get a list of all dashboards:

  ```
  GET: /services/data/v52.0/wave/dashboards
  ```

- Find a dashboard, use its details URL in the response body:

  ```
  GET: /services/data/v52.0/wave/dashboards/<dashboardId>
  ```

- Get a list of histories, use the `historiesUrl` in the dashboard details response:

```
GET: /services/data/v52.0/wave/dashboards/*<dashboardId>/histories*
```

Preview a Previous Version

After listing asset version histories, preview the JSON for a version. During preview, you see the JSON as it looked when it was saved.

To preview the JSON for previous asset versions, use the URL from `previewUrl` in the response body and execute it with cURL or Postman.

📝 Note: Dataflows have two preview URLs: `previewUrl` and `privatePreviewUrl`. The private preview URL provides the same JSON format as you see if you downloaded the JSON file declaratively using the CRM Analytics dataflow editor. The preview URL provides the public version of the JSON.

Restore a Previous Version

After you confirm you're previewing the correct asset version, restore it using either REST API calls or the CLI.

Using REST API calls, in the version you want to revert to, locate the `revertUrl.`

Then copy the `historyId` of the version you want to restore. You use it in the request body.

Now, to restore an asset from the previous version, perform a `PUT`.

```
*PUT: /services/data/v52.0/wave/dashboards/*<dashboardId>/bundle**
*REQUEST BODY: {"historyId": "<historyId>, historyLabel" : "optional description of new
change"}*
```

The CLI commands for restoring assets are as follows:

- Dashboards. `sf analytics dashboard history revert -i <dashboardid> -h <historyid>`
- Lenses. `sf analytics lens history revert -i <lensid> -h <historyid>`
- Dataflows. `sf analytics dataflow history revert -i <dataflowid> -h <historyid>`

`historyid` is the ID for the version of the asset you want to restore.

Limitations

When you restore the previous version of an asset, the asset doesn't run as expected. If the asset depends on other assets (for example, datasets) and those assets have been deleted or modified, you can get errors. However, every time you restore a previous version, you create a history record. You can always restore the last working copy.

When you delete an asset, all history is deleted with it, and you can't undelete it.

Currently, CRM Analytics doesn't back up previous versions of dataset XMD files.

Run, Schedule, and Sync CRM Analytics Data with REST APIs

You can use the CRM Analytics REST API to automate features, like running and scheduling data syncs, dataflows and recipes.

Start and Stop a Dataflow Job or Recipe

You can use REST APIs to automate the start of a dataflow job or recipe to load data into datasets. This API is the equivalent of the "Run Now" functionality in the Data Manager. You can also stop the job while it's running. Dataflow jobs include dataflows defined in `wave/dataflows` and recipes defined in `wave/recipes`.

> **Note:** You can use the Lightning Web Component `lightning/analyticsWaveApi` module to access wire adapters and functions to bring this functionality into Salesforce, without proxying the REST APIs directly. For more information, see the reference section for `lightning/analyticsWaveApi` Wire Adapters and Functions .

- Start a Dataflow Job or Recipe

  To start a dataflow or recipe, use the `/wave/dataflowjobs` endpoint with a POST request. In the POST request body, use the `dataflowId` parameter to specify the dataflow to start. For a recipe, use the `targetDataflowId` value for the `dataflowId`.

  ```
  {
    "dataflowId": "02KS700000004G3eMAE",
    "command" : "start"
  }
  ```

  The POST request returns a Dataflow Job.

  > **Note:** If the sync has not previously run or has been updated since the last run, when you run a dataflow or recipe using this method, the data sync of associated objects runs automatically.

- Stop a Dataflow Job or Recipe

  To stop a specific dataflow job, use the `/wave/dataflowjobs/<dataflowjobId>` endpoint with a PATCH request. The PATCH request uses the `dataflowjobId` request parameter to specify the dataflow job to stop.

  ```
  {
    "command" : "stop"
  }
  ```

Explore Dataflow Job Nodes

You can use REST APIs to describe and explore each node of a dataflow job, including nodes for standard dataflows and for recipes.

- View All Dataflow Job Nodes

  To list the nodes for the dataflow job, use the `/wave/dataflowjobs/<dataflowJobId>/nodes` endpoint with a GET request.

  The GET request returns a Dataflow Job Node Collection.

  Note: This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. If the dataflow job id starts with `030`, the result is an empty collection.

- View a Single Dataflow Job Node

  To view the details of a single dataflow job node, use the `/wave/dataflowjobs/<dataflowJobId>/nodes/<nodeId>` endpoint with a GET request.

  The GET request returns a Dataflow Job Node.

Schedule Dataflows, Recipes, and Data Syncs

You can automate dataflows, recipes, and data syncs to run on a time-based schedule by hour, week, or month, on specific days of the week, or dates in the month via the CRM Analytics REST API. For example, schedule a dataflow to ensure that the data is available by a particular time or to run the job during non-business hours. Use the assetId request parameter to specify the data asset type to schedule.

You can also set an event-based schedule to run a dataflow or recipe after the Salesforce Local connection syncs. Set an event-based schedule if the dataflow or recipe extracts data from Salesforce objects that have to sync before the dataflow or recipe runs. The event-based schedule applies to dataflows and recipes only and isn't currently available for data syncs.

- Schedule a Data Asset

  To schedule a data asset, use the `/wave/asset/<assetId>/schedule` endpoint with a PUT request. The following are examples for the different types of schedules that can be set in the request body.

  Set Hourly Schedule - request body example

  This request body sets a time-based schedule that runs hourly every day from 2:30am America/Los Angeles, every 3 hours, and stops queuing at 8:00pm.

  ```
  {
      "daysOfWeek" : [
          "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"
      ],
      "lastHour" : 20,
      "hourlyInterval" : 3,
      "time" : {
          "hour" : 2,
          "minute" : 30,
          "timeZone" : "America/Los_Angeles"
      },
      "frequency" : "hourly"
  }
  ```

  Set Weekly Schedule - request body example

  This request body sets a time-based schedule that runs weekly on Mondays and Thursdays at 12:45am America/Los Angeles.

  ```
  {
    "daysOfWeek" : [
      "Monday", "Thursday"
    ],
    "time" : {
      "hour" : 0,
      "minute" : 45,
      "timeZone" : "America/Los_Angeles"
    },
    "frequency" : "weekly"
  }
  ```

  Set Monthly Specific Schedule - request body example

  This request body sets a time-based schedule that runs monthly on the 1st, 15th, and 31st at 12:00am America/Los Angeles.

  ```
  {
    "daysOfMonth" : [
      1, 31, 15
    ],
    "time" : {
  ```

```
    "hour" : 0,
    "minute" : 0,
    "timeZone" : "America/Los_Angeles"
  },
  "frequency" : "monthly"
}
```

Set Monthly Relative Schedule - request body example

This request body sets a time-based schedule that runs every month on the last Sunday at 12:00am America/Los Angeles.

```
{
  "weekInMonth": "Last",
  "dayInWeek": "Sunday"
  "time" : {
    "hour" : 0,
    "minute" : 0,
    "timeZone" : "America/Los_Angeles"
  },
  "frequency" : "monthlyrelative"
}
```

Set Event-Based Schedule - request body example

This request body sets an event-based schedule that runs a dataflow after the Salesforce Local connection syncs. Event-based schedules aren't supported for Data Connections.

```
{
  "triggerRule" : "$ALL_SALESFORCE_OBJECTS",
  "frequency" : "eventdriven"
}
```

The PUT request uses the `assetId` request parameter to specify the dataflow, recipe, or data sync to schedule.

```
/services/data/<API_VERSION>/wave/asset/02KS7000000xxxxxxx/schedule
```

The PUT response is empty unless there's an API error.

The DELETE request uses the `assetId` request parameter to specify the dataflow, recipe, or data sync schedule to delete.

Sync Data Connections

Use the CRM Analytics REST API to automate syncing connected data from your local Salesforce org or external data sources. Synced data is stored as objects that can be used in dataflows and recipes. This API is the equivalent of the "Run Now" functionality in the Data Manager.

- Data Sync Run Now

  To start a data sync, use the `/wave/dataConnectors/<connectorId>/ingest` endpoint with a POST request. Execute the POST to the URL with an empty request body.

  ```
  {}
  ```

  The POST request uses the `connectorId` request parameter to specify the data sync to run.

  ```
  /services/data/<API_VERSION>/wave/dataConnectors/0ItS0000000xxxxxxx/ingest
  ```

  The POST request returns a Restore Dataset Version.

CRM ANALYTICS REST RESOURCES

REST API resources are sometimes called *endpoints*.

Wave Resource

Lists the top-level resources available for Analytics.

Actions Resource

Returns the Salesforce actions available for the user in Analytics. The `entityId` is the user id.

Analytics Assets Resources

Query Analytics assets using parameters for a collections or query a single asset by ID.

Annotation Resources

Annotate Analytics dashboard widgets with comments posted in the dashboard and in Chatter.

Asset Files Resources

Analytics assets contain files to define their previews. Get a collection of files available and individual files, and create and update asset files

Auto-Install Request Resources

Auto-Install requests are used to create, update, and delete Analytics embedded apps. Analytics embedded apps are run-time implementations of Analytics templates and instead of user interaction, they're managed via auto-install requests.

Collection Resources

Analytics collections let users manage their own groups of items and personalize their Analytics Studio home page.

Dashboard Resources

Analytics dashboards allow users to continuously monitor key metrics of their business. These resources allow users to manage collections of dashboards, individual dashboards, dashboard saved views, dashboard histories, and dashboard publishers.

Data Connector Resources

Data connectors are prebuilt connectors to quickly connect to data in your Salesforce orgs, apps, data warehouses, and database services. These resources allow users to manage data connectors and their source objects, run data syncs, and check statuses.

Dataflow Job Resources

Dataflow jobs are used to sync data for data prep recipes and standard dataflows.

Dataflow Resources

Dataflows are used to prepare data for Analytics, creating one or more datasets using transformations to manipulate the data.

Dataset Resources

Manage Analytics dataset and dataset versions.

Dependencies Resource

Returns the dependencies for an asset.

Eclair Chart Resources

Eclair charts render maps and geodata in Analytics dashboards.

Features Configuration Resource

The Analytics features that are available to a user.

Folder Resources

Analytics folders represent apps, a collection of assets. Folders can be created by users or by Analytics templates.

JsonXform Transformation Resource

Performs a JSON transformation by invoking a set of rules and expressions on a JSON document. The transformed JSON is returned in the REST response and isn't saved on the server. This service is provided to test rules used in Analytics templates.

Limits Resource

The Analytics limits for the Salesforce org.

Lens Resources

Analytics lenses are how users view data in a dataset and are the basis for building any dashboard. These resources allow users to manage collections of lenses, individual lenses, and lens files.

Query Resource

Executes a query written in Salesforce Analytics Query Language (SAQL) or SQL for CRM Analytics.

Recipe Resources

Recipes are used to prepare data, creating a dataset using transformations to manipulate the data.

Replicated Dataset Resources

Manage Analytics replicated datasets, also know as connected objects. A data sync loads source object data as a connected object in Analytics. Connected objects can't be visualized directly, but are used like a cache to speed up other jobs that pull from the source object and load it into a dataset.

Schedule Resource

Retrieve, create or delete a schedule for a dataflow, recipe, or connection sync.

Subscription Resources

Manages subscriptions for Analytics dashboards.

Security Coverage Dataset Version Resource

Returns the security coverage (sharing inheritance) for a particular dataset version. The source objects listed are local to the org (there are no objects from other orgs or other external sources).

Security Coverage Object Resource

Returns the security coverage for a particular object. Use this API to discover whether Analytics can inherit sharing settings from an object.

Template Resources

Manage Analytics templates, template configuration, and template release notes.

Trended Report Resources

Manage Analytics trending reports.

Watchlist Resources

Manages watchlists for Analytics dashboards.

Xmd Resources

Manages Xmds for Analytics datasets and assets.

CRM Analytics REST API Resources Overview

The CRM Analytics REST API provides resources so you can access your CRM Analytics data.

All CRM Analytics REST API resources are accessed using:

- A base URL for your company (for example, https://*yourInstance*.salesforce.com)
- Version information (for example, /services/data/v53.0)
- A named resource (for example, /wave)

Put together, an example of the full URL to the resource is:

```
https://yourInstance.salesforce.com/services/data/v53.0/wave
```

Org and Object Identifiers

Id fields in Salesforce, and in the CRM Analytics UI, are typically 15-character, base-62, case-sensitive strings. This is true of JSON XMD too. However, many Salesforce APIs, including the CRM Analytics REST API, use 18-character, case-insensitive strings—for example, the *Id* property of the Dataset resource*/wave/datasets/<dataset ID>*. The last 3 digits are a checksum of the preceding 15 characters. The use of case-insensitive Id's eases interaction with external applications and development environments that use case-insensitive references. To convert an 18-character Id back to a 15-character ID, simply remove the last 3 characters.

General Resources

General resources for CRM Analytics are covered here, while specific features like dashboards and recipes have their own sections.

Resource	Description	Supported HTTP Method	Resource URL
Actions Resource	Returns the Salesforce actions available for the user in Analytics.	GET	`/wave`
Dependencies Resource	Returns the dependencies for an asset.	GET	`/wave/dependencies/<folderId>`
Feature Configuration Resource	Returns the CRM Analytics features that are available to a user.	GET	`/wave/config/features`
JsonXform Transformation Resource	Performs a JSON transformation.	POST	`/jsonxform/transformation`
Limits Resource	Get the Analytics limits for the Salesforce org.	GET	`/wave/limits`
Query Resource	Executes a query written in Salesforce Analytics Query Language (SAQL).	POST	`/wave/query`
Security Resources	Discover whether objects and particular dataset versions have support for sharing inheritance.	GET	• `/wave/security/coverage/datasets/<datasetIdOrApiName>/versions/<versionId>` • `/wave/security/coverage/objects/<objectApiName>`
Wave Resource	Lists the top-level resources available for CRM Analytics.	GET	`/wave`

Filtering REST Responses

Returns the representation for a CRM Analytics application or folder (GET), replaces an application or folder (PUT), updates it (PATCH), or deletes it (DELETE).

In addition to CRM Analytics REST API input parameters, you can use the following Connect REST API input parameters to filter the results returned from a request: `filterGroup`, `external`, and `internal`. For more information, see Specifying Response Sizes in the *Connect REST API Developer Guide*.

Wave Resource

Lists the top-level resources available for Analytics.

Resource URL

```
/wave
```

Formats
JSON

Available Version
36.0

HTTP Methods
GET

Response body for GET
Directory Item Collection

Actions Resource

Returns the Salesforce actions available for the user in Analytics. The `entityId` is the user id.

Resource URL

```
/wave/actions/<entityId>
```

Formats

JSON

Available Version

40.0

Available in Postman

To view and test a working example of this resource, see getActionCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getActions()`

HTTP Methods

GET

Response body for GET

Action Collection

Analytics Assets Resources

Query Analytics assets using parameters for a collections or query a single asset by ID.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Analytics Assets Collection Resource	Returns a collection of Analytics assets specified by the input parameters.	POST	`/analytics/assets/query`
Analytics Asset Resource	Returns an Analytics asset.	GET	`/analytics/assets/query/<assetId>`

Analytics Assets Collection Resource

Returns a collection of Analytics assets.

Analytics Asset Resource

Returns an Analytics asset by ID.

Analytics Assets Collection Resource

Returns a collection of Analytics assets.

Resource URL

`/analytics/assets/query`

Formats

JSON

Available Version

55.0

HTTP Methods

POST

Request body for POST

Analytics Asset Collection Query Input

📝 Note: The request body can be empty JSON if no query parameters are needed.

Response body for POST

Analytics Asset Collection

Analytics Asset Resource

Returns an Analytics asset by ID.

Resource URL

```
/analytics/assets/query/<assetId>
```

Formats

JSON

Available Version

55.0

HTTP Methods

GET

Response body for GET

Analytics Asset

Annotation Resources

Annotate Analytics dashboard widgets with comments posted in the dashboard and in Chatter.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Annotations List Resource	Returns a list of annotations and creates an annotation.	GET POST	/wave/annotations
Annotations Resource	Returns an asset's annotations and updates an annotation	GET PATCH	/wave/annotations/<annotationId>

Annotations List Resource

Returns a list of annotations and creates an annotation.

Annotation Resource

Returns an asset's annotations and updates an annotation.

Annotations List Resource

Returns a list of annotations and creates an annotation.

Resource URL

```
/wave/annotations
```

Formats
JSON

Available Version
37.0

HTTP Methods
GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
assetId	Id	The ID of the asset.	Required	37.0

The following REST URL shows how to use the `assetId` parameter in the GET request.

```
/wave/annotations?assetId=<id>
```

Response body for GET
Annotation Collection

Request body for POST
Annotation Input

Response body for POST
Annotation

Annotation Resource

Returns an asset's annotations and updates an annotation.

Resource URL

```
/wave/annotations/<annotationId>
```

Formats
JSON

Available Version
37.0

HTTP Methods
GET PATCH

Response body for GET and PATCH
Annotation

Request body for PATCH
Annotation Input

Asset Files Resources

Analytics assets contain files to define their previews. Get a collection of files available and individual files, and create and update asset files

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Asset Files List Resource	Returns a collection of asset files for an asset and creates an asset file.	GET POST	`/analytics/assetfiles/` `<assetIdOrAPiName>/files`
Asset File Resource	Returns a preview file for an asset and updates the file.	GET PUT	`/analytics/assetfiles/` `<assetIdOrAPiName>/files/<fileId>`

Asset Files List Resource
Returns a collection of asset files for an asset and creates an asset file.

Asset File Resource
Returns a preview file for an asset and updates the file.

Asset Files List Resource

Returns a collection of asset files for an asset and creates an asset file.

Resource URL

```
/analytics/assetfiles/<assetIdOrAPiName>/files
```

Formats

JSON

Available Version

57.0

HTTP Methods

GET POST

Request parameters for GET and POST

Parameter Name	Type	Description	Required or Optional	Available Version
assetIdOrApi Name	String	The ID or API name of the asset.	Required	52.0

Response body for GET

Analytics Data Asset File

Request body for POST

A binary preview file.

Response body for POST

Analytics Data Asset File

Asset File Resource

Returns a preview file for an asset and updates the file.

Resource URL

```
/analytics/assetfiles/<assetIdOrAPiName>/files/<fileId>
```

Formats

JSON

Available Version

57.0

HTTP Methods

GET PUT

Request parameters for GET and PUT

Parameter Name	Type	Description	Required or Optional	Available Version
assetIdOrApi Name	String	The ID or API name of the asset.	Required	52.0
fileId	String	The ID of the file.	Required	52.0

Response body for GET

A binary stream of the contents for the specified file.

Request body for PUT

A binary preview file.

Response body for PUT

Analytics Data Asset File

Auto-Install Request Resources

Auto-Install requests are used to create, update, and delete Analytics embedded apps. Analytics embedded apps are run-time implementations of Analytics templates and instead of user interaction, they're managed via auto-install requests.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Auto-Install Requests List Resource	Returns a collection of auto-install requests for Analytics embedded apps, creates an auto-install request, or deletes groups of	GET POST DELETE	/wave/auto-install-requests

Resource	Description	Supported HTTP Method	Resource URL
	auto-install requests by a Analytics folder ID or a template API name.		
Auto-Install Request Resource	Returns an auto-install request for an Analytics embedded app, updates, and deletes an auto-install request.	GET PATCH DELETE	`/wave/auto-install-requests /<autoInstallRequestId>`

Auto-Install Requests List Resource

Returns a collection of auto-install requests for Analytics embedded apps, creates an auto-install request, or deletes groups of auto-install requests by an Analytics folder ID or a template API name.

Auto-Install Request Resource

Returns an auto-install request for an Analytics embedded app, updates, and deletes an auto-install request.

Auto-Install Requests List Resource

Returns a collection of auto-install requests for Analytics embedded apps, creates an auto-install request, or deletes groups of auto-install requests by an Analytics folder ID or a template API name.

Resource URL

```
/wave/auto-install-requests
```

Formats
JSON

Available Version
50.0

HTTP Methods
GET POST DELETE

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
`folderId`	ID	Filters the results to include only the contents of a specific folder. The id can be the requesting user's ID for items in the user's private folder.	Optional	50.0
`folderLabel`	String	Filters the results to include only the contents of a specific folder by label.	Optional	50.0
`pageSize`	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	50.0

Parameter Name	Type	Description	Required or Optional	Available Version
requestName	String	Filters the results to include only the contents with a specific auto-install request name.	Optional	50.0
request Statuses	AutoInstallRequest StatusEnum[]	Filters the results to include only the contents with a specific auto-install request status. Valid values include: • AppInProgress • Cancelled • Enqueued • Failed • InProgress • New • Skipped • Success	Optional	50.0
requestTypes	AutoInstallRequest TypeEnum[]	Filters the results to include only the contents with a specific auto-install request type. Valid values include: • OrgCompatibilityCheck • StartDataflow • WaveAppAutoUpdate • WaveAppCreate • WaveAppDelete • WaveAppUpdate • WaveEnable	Optional	50.0
searchOptions	AutoInstallRequest SearchOption Enum[]	Filters the results to include only the contents with specific search options. Valid values include: • ExcludeNonExistingApps • MostRecentOnlyByTemplate AndFolder • NonExistingAppsOnly	Optional	50.0
sortOptions	AutoInstallRequest SortOptionEnum[]	Sorts the results according to the given sort option. Valid values include: • CreatedDateAscending • CreatedDateDescending • FolderIdAscending • FolderIdDescending	Optional	50.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `FolderLabelAscending` • `FolderLabelDescending` • `LastModifiedDate Ascending` • `LastModifiedDateD escending` • `RequestNameAscending` • `RequestNameDescending` • `RequestStatusAscending` • `RequestStatusDescending` • `RequestTypeAscending` • `RequestTypeDescending` • `TemplateApiNameAscending` • `TemplateApiName Descending`		
`templateApi Name`	String	Filters the results to include only the contents created from a specific application template.	Optional	50.0

The following REST URL shows how to use the request parameters to filter and sort in the GET request.

```
/wave/auto-install-requests?searchOptions=ExcludeNonExistingApps&sortOptions=RequestStatusAscending
```

Response body for GET
   Auto-Install Request Collection

Request body for POST
   Auto-Install Request Insert Input

Response body for POST
   Auto-Install Request

Auto-Install Request Resource

Returns an auto-install request for an Analytics embedded app, updates, and deletes an auto-install request.

Resource URL

```
/wave/auto-install-requests/<autoInstallRequestId>
```

Formats
   JSON

Available Version
   50.0

HTTP Methods

GET PATCH DELETE

Response body for GET and PATCH

Auto-Install Request

Request body for PATCH

Auto-Install Request Update Input

Collection Resources

Analytics collections let users manage their own groups of items and personalize their Analytics Studio home page.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Collections List Resource	Get and create lists of collections of Analytics resources.	GET POST	`/analytics/collections` `/wave/collections`
Collections Resource	Get, update, or delete a collection of Analytics resources.	GET PATCH DELETE	`/analytics/collections/<collectionId>` `/wave/collections/<collectionId>`
Collection Items List Resource	Returns a list of Analytics collection items and creates or updates the collection item list.	GET PATCH POST	`/analytics/collections/<collectionId>/items` `/wave/collections/<collectionId>/items`
Collection Item Resource	Delete an Analytics resource item from a collection.	DELETE	`/analytics/collections/<collectionId>/items/<collectionItemId>` `/wave/collections/<collectionId>/items/<collectionItemId>`
Collection Bulk Items Resource	Add items in bulk to the collection.	POST	`/analytics/collections/<collectionId>/bulk-items` `/wave/collections/<collectionId>/bulk-items`

Collections List Resource

Returns a list of collections or creates a collection. Each collection contains Analytics resource items.

Collections List Resource

Returns a list of collections or creates a collection. Each collection contains Analytics resource items.

Resource URL

```
/analytics/collections
```

```
/wave/collections
```

Formats

JSON

Available Version

52.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
editableOnly	Boolean	Filters the results for only collections the current user has edit access to.	Optional	52.0
includeItems	Boolean	Indicates whether the collection items are returned in the response (`true`) or not (`false`).	Optional	52.0
label	String	Filters the results for collections list to match the specified label.	Optional	54.0
limit	Integer	The limit of collections to return.	Optional	52.0

Parameter Name	Type	Description	Required or Optional	Available Version
offset	Integer	Indicates the starting index for list of collections returned. The default value is 0.	Optional	52.0
pageToken	String	The token to use for next page.	Optional	52.0
pinnedOnly	Boolean	Filters the results for pinned collections only.	Optional	52.0
type	CollectionTypeEnum	Filters the results by collection type. Valid values are: Static. The default is to return all types of collections.	Optional	52.0
visibleOnly	Boolean	Indicates whether only visible collection items are returned in the response (true) or not (false).	Optional	57.0

Response body for GET

Wave Collection List

Request body for POST

Wave Collection Input

Response body for POST

Wave Collection

Collections Resource

Returns, updates, or deletes a collection. Each collection contains Analytics resource items.

Resource URL

```
/analytics/collections/<collectionId>
```

```
/wave/collections/<collectionId>
```

Formats

JSON

Available Version

52.0

HTTP Methods

GET PATCH DELETE

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
collectionId	String	The ID of the collection.	Required	52.0

Response body for GET

Wave Collection

Request body for PATCH

Wave Collection Input

Response body for PATCH

Wave Collection

Collections Items List Resource

Returns a list of Analytics collection items and creates or updates the collection item list.

Resource URL

```
/analytics/collections/<collectionId>/items
```

```
/wave/collections/<collectionId>/items
```

Formats

JSON

Available Version

52.0

HTTP Methods

GET POST PATCH

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
itemType	CollectionItemAsset TypeEnum	Filters the results by the collection item asset type. Valid values are: • Component • Dashboard • DashboardSavedView • Lens • LightningDashboard • Report • TableauDashboard • TableauWorkbook	Optional	52.0
limit	Integer	The limit of collections to return.	Optional	52.0
mobileOnly	Boolean	Filters the results to return only mobile asset items.	Optional	52.0
offset	Integer	Indicates the starting index for list of collections items returned. The default value is 0.	Optional	52.0
pageToken	String	The token to use for next page.	Optional	52.0

Response body for GET and PATCH

Wave Collection Item List

Request body for POST

Wave Collection Item Input

Response body for POST

Wave Collection Item

Request body for PATCH

Wave Collection Item List Input

Collections Item Resource

Deletes an item from the collection.

Resource URL

```
/analytics/collections/<collectionId>/items/<collectionItemId>
```

```
/wave/collections/<collectionId>/items/<collectionItemId>
```

Formats

JSON

Available Version

52.0

HTTP Methods

DELETE

Request parameters for DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
collectionId	String	The ID of the collection the item belongs to.	Required	52.0
collection ItemId	String	The ID of the item to delete from the collection.	Required	52.0

DELETE Request

```
/analytics/collections/<collectionId>/items/<collectionItemId>
```

```
/wave/collections/<collectionId>/items/<collectionItemId>
```

Collections Bulk Items Resource

Add items in bulk to the collection.

Resource URL

```
/analytics/collections/<collectionId>/bulk-items
```

```
/wave/collections/<collectionId>/bulk-items
```

Formats

JSON

Available Version

63.0

HTTP Methods

POST

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
collectionId	String	The ID of the collection the item belongs to.	Required	63.0

Request body for POST

Wave Collection Item Bulk Add Input

Response body for POST

Wave Collection Item List

Dashboard Resources

Analytics dashboards allow users to continuously monitor key metrics of their business. These resources allow users to manage collections of dashboards, individual dashboards, dashboard saved views, dashboard histories, and dashboard publishers.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Dashboards List Resource	Returns a collection of Analytics dashboards, or creates a dashboard.	GET, POST	`/wave/dashboards`
Dashboard Resource	Returns or updates the dashboard with the specified ID or API name.	GET, DELETE, PATCH	`/wave/dashboards/<dashboardIdOrApiName>`
Dashboard Bundle Resource	Returns or updates the dashboard bundle with the specified ID or API name.	GET, PUT	`/wave/dashboards/<dashboardIdOrApiName> /bundle`
Dashboard Histories Resource	Returns the dashboard histories with the specified ID or API name.	GET	`/wave/dashboards/<dashboardIdOrApiName> /histories`

43

Resource	Description	Supported HTTP Method	Resource URL
Dashboard Publishers List Resource	Returns a list of users who are assigned as publishers for the given dashboard. Adds the current user to the list of publishers for the given dashboard. Removes all users from the dashboard's publisher list.	GET DELETE POST	/wave/dashboards/<dashboardIdOrApiName> /publishers
Dashboard Publisher Resource	Returns user detail information about the publisher for the given dashboard. Removes a user from the list of publishers for the given dashboard.	GET DELETE	/wave/dashboards/<dashboardIdOrApiName> /publishers/<assetPublisherId>
Dashboard Saved Views List Resource	Returns a list of dashboard saved views or creates a single view.	GET POST	/wave/dashboards/<dashboardIdOrApiName> /savedviews
Dashboard Saved View Resource	Returns, deletes, and updates a dashboard saved view.	GET DELETE PATCH	/wave/dashboards/<dashboardIdOrApiName> /savedviews/<viewID>
Dashboard Saved Views Initial Resource	Returns the initial view information for a dashboard saved view. In the UI, the initial view is the default view.	GET	/wave/dashboards/<dashboardIdOrApiName> /savedviews/initial

Dashboards List Resource

Returns a list of Analytics dashboard or creates a dashboard.

Dashboard Resource

Returns, deletes, or updates the dashboard with the specified ID or API name.

Dashboard Bundle Resource

Returns or updates the dashboard bundle with the specified ID or API name.

Dashboard Histories Resource

Returns the dashboard histories with the specified ID or API name.

Dashboard Publishers List Resource

Returns a list of users who are assigned as publishers for the given dashboard. Adds the current user to the list of publishers for the given dashboard. Removes all users from the dashboard's publisher list.

Dashboard Publisher Resource

Returns user detail information about the publisher for the given dashboard. Removes a user from the list of publishers for the given dashboard.

Dashboard Image Resource

Returns a dashboard's image as an asset reference.

Dashboard Saved Views List Resource

Returns a list of dashboard saved views or creates a single view.

Dashboard Saved View Resource

Returns, deletes, and updates a dashboard saved view.

Dashboard Saved Views Initial Resource

Returns the initial view information for a dashboard saved view. In the UI, the initial view is the default view.

Dashboards List Resource

Returns a list of Analytics dashboard or creates a dashboard.

Resource URL

```
/wave/dashboards
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getDashboardCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Aura — `<wave:sdk> listDashboards()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
folderId	ID	Filters the results to include only the contents of a specific folder. The id can be the requesting user's ID for items in the user's private folder.	Optional	36.0
ids	String	Filters the results to include only the dashboards with the specified ids.	Optional	52.0
mobileOnly	Boolean	Filters the results for mobile enabled dashboards only.	Optional	41.0

Parameter Name	Type	Description	Required or Optional	Available Version
page	String	A generated token that indicates the view of dashboard to be returned.	Optional	36.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	36.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	36.0
scope	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • `CreatedByMe` • `Mru` (Most Recently Used) • `SharedWithMe`	Optional	38.0
sort	ConnectWaveSort OrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • `App` • `CreatedBy` • `CreatedDate` • `LastModified` • `LastModifiedBy` • `Mru` (Most Recently Used, last viewed date) • `Name` • `Type`	Optional	38.0
templateApi Name	String	Filters the results to include only a collection of dashboards created from a specific application template	Optional	38.0
type	ConnectWaveAsset TypeEnum	The asset type. The default type is Dashboard. Valid types are: • `Collection` • `Component` • `Dashboard` • `DashboardSavedView`	Optional, Small, 36.0	36.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `DashboardSnapshot` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset` • `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent` • `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `Widget` • `Workflow`		

GET Response Body

Dashboard Collection

POST Request Body

Dashboard Input

POST Response Body

Dashboard

Dashboard Resource

Returns, deletes, or updates the dashboard with the specified ID or API name.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getDashboard in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Aura — `<wave:sdk> describeDashboard()`

HTTP Methods

GET DELETE PATCH

GET Response Body

Dashboard

PATCH Request Body

Dashboard Input

PATCH Response Body

Dashboard

Dashboard Bundle Resource

Returns or updates the dashboard bundle with the specified ID or API name.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/bundle
```

Formats

JSON

Available Version

41.0

HTTP Methods

GET PUT

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	ID	Get a bundled dashboard resource representation	Optional	41.0

GET Response Body

Wave Asset Bundle

PUT Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
history	AssetRevertHistory Input	Revert a dashboard to a previous historical record.	Required	45.0

PUT Response Body

Wave Asset Bundle

Dashboard Histories Resource

Returns the dashboard histories with the specified ID or API name.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/histories
```

Formats

JSON

Available Version

46.0

HTTP Methods

GET

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	ID	Get a bundled dashboard resource representation	Optional	41.0

GET Response Body

Asset History Collection

Dashboard Publishers List Resource

Returns a list of users who are assigned as publishers for the given dashboard. Adds the current user to the list of publishers for the given dashboard. Removes all users from the dashboard's publisher list.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/publishers
```

Formats

JSON

Available Version

47.0

HTTP Methods

GET POST DELETE

GET Response Body

Asset Publisher Collection

POST Request Body

The POST request doesn't require request parameters or a request body. The POST request creates the asset publisher record for the user making the request.

🛑 **Important:** A user that has VIEW but not EDIT permissions on a dashboard can add themselves as publisher to view newer versions of the dashboard. This functionality is provided for users who are testers or who approve the newer versions.

POST Response Body

Asset Publisher

Dashboard Publisher Resource

Returns user detail information about the publisher for the given dashboard. Removes a user from the list of publishers for the given dashboard.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/publishers/<assetPublisherId>
```

Formats

JSON

Available Version

47.0

HTTP Methods

GET DELETE

GET Response Body

Asset Publisher

Dashboard Image Resource

Returns a dashboard's image as an asset reference.

Resource URL

```
/wave/dashboards/image/<imageFqn>
```

Formats

JSON

Available Version

39.0

HTTP Methods

GET

GET Response Body

Asset Reference

Dashboard Saved Views List Resource

Returns a list of dashboard saved views or creates a single view.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/savedviews
```

Formats

JSON

Available Version

42.0

Available Components

- Aura — `<wave:sdk> listDashboardSavedViews()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`dashboardIdOr ApiName`	String	The ID or API name of the dashboard to retrieve the saved views for.	Required	42.0
`type`	ConnectWave DashboardSaved ViewType	The type of saved view. • `Shared` • `User`	Optional	42.0

The following REST URL shows how to use the `type` parameter in the GET request.

```
/wave/dashboards/<dashboardIdOrApiName>/savedviews?type=User
```

GET Response Body

Dashboard Saved View Collection

POST Request Body

Dashboard Saved View Input

POST Response Body

Dashboard Saved View

Dashboard Saved View Resource

Returns, deletes, and updates a dashboard saved view.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/savedviews/<viewId>
```

Formats

JSON

Available Version

42.0

Available Components

- Aura — `<wave:sdk> getDashboardSavedView()`

HTTP Methods

DELETE GET PATCH

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
dashboardIdOr ApiName	String	The ID or API name of the dashboard to retrieve the saved views for.	Required	42.0
viewId	String	The ID of the saved view.	Required	42.0

GET Response Body

Dashboard Saved View

PATCH Request Body

Dashboard Saved View Input

PATCH Response Body

Dashboard Saved View

Dashboard Saved Views Initial Resource

Returns the initial view information for a dashboard saved view. In the UI, the initial view is the default view.

Resource URL

```
/wave/dashboards/<dashboardIdOrApiName>/savedviews/initial
```

Formats

JSON

Available Version

42.0

Available Components

- Aura — `<wave:sdk> getDashboardInitialSavedView()`

HTTP Methods

GET

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`dashboardIdOr ApiName`	String	The ID or API name of the dashboard to retrieve the initial saved view for.	Required	42.0

GET Response Body

Dashboard Saved View Initial

Data Connector Resources

Data connectors are prebuilt connectors to quickly connect to data in your Salesforce orgs, apps, data warehouses, and database services. These resources allow users to manage data connectors and their source objects, run data syncs, and check statuses.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Data Connector List Resource	Returns a collection of Analytics connectors and creates an Analytics connector.	GET POST	`/wave/dataConnectors`
Data Connector Resource	Returns Analytics connector properties and updates or deletes Analytics connectors.	GET PATCH DELETE	`/wave/dataConnectors/<connectorId>`
Data Connector Ingest Resource	Triggers the Analytics connector to run a data sync. This API is the equivalent of the "Run Now" UI feature.	POST	`/wave/dataConnectors/<connectorId>/ ingest`
Data Connector Source Objects List Resource	Returns a list of all the source objects that are present under the specified CRM Analytics connection.	GET	`/wave/dataConnectors/<connectorId>/ sourceObjects`
Data Connector Source Object Resource	Returns a source object resource for an Analytics connector. A source object represents a specific category or type of data that the Analytics connector knows about. When a source object	GET	`/wave/dataConnectors/<connectorId>/ sourceObjects/<sourceObjectName>`

Resource	Description	Supported HTTP Method	Resource URL
	is synced to Analytics, it can be used to create datasets.		
Data Connector Source Object Data Preview Resource	Returns a preview of the source object data that the Analytics connector knows about. When a source object is synced to Analytics, it can be used to create datasets.	GET POST	`/wave/dataConnectors/<connectorId>/sourceObjects/<sourceObjectName>/dataPreview`
Data Connector Source Object Fields Resource	Returns a list of source fields for a particular source object.	GET	`/wave/dataConnectors/<connectorId>/sourceObjects/<sourceObjectName>/fields`
Data Connector Status Resource	Tests the status of an external Analytics connector. This API doesn't work to test a local Salesforce connector.	GET	`/wave/dataConnectors/<connectorId>/status`
Data Connector Types Resource	Returns a collection of Analytics connector types.	GET	`/wave/dataConnectorTypes`

Data Connector Resource

Returns Analytics connector properties and updates or deletes Analytics connectors.

Data Connectors List Resource

Returns a collection of Analytics connectors and creates an Analytics connector.

Data Connector Ingest Resource

Triggers the Analytics connector to run a data sync. This API is the equivalent of the "Run Now" UI feature.

Data Connector Source Objects List Resource

Returns a list of all the source objects that are present under the specified Analytics connection.

Data Connector Source Object Resource

Returns a source object resource for an Analytics connector. A source object represents a specific category or type of data that the Analytics connector knows about. When a source object is synced to Analytics, it can be used to create datasets.

Data Connector Source Object Data Preview Resource

Returns a preview of the source object data that the Analytics connector knows about. When a source object is synced to Analytics, it can be used to create datasets.

Data Connector Source Object Fields Resource

Returns a list of source fields for a particular source object.

Data Connector Status Resource

Tests the status of an external Analytics connector. This API doesn't work to test a local Salesforce connector.

Data Connector Types Resource

Returns a collection of Analytics connector types.

Data Connector Resource

Returns Analytics connector properties and updates or deletes Analytics connectors.

Resource URL

```
/wave/dataConnectors/<connectorIdOrApiName>
```

Formats

JSON

Available Version

39.0

Available in Postman

To view and test a working example of this resource, see getDataConnector in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnector()`
- LWC — `lightning/analyticsWaveApi updateDataConnector()`
- LWC — `lightning/analyticsWaveApi deleteDataConnector()`

HTTP Methods

DELETE GET PATCH

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
userId	String	Retrieve the data connector with a user ID.	Optional	55.0

Response body for GET and PATCH

Data Connector

Request body for PATCH

Data Connector Input

The following JSON shows how to edit an existing Analytics connector. The `name` and `connectorType` can't be changed after the Analytics connector is created, only the `label`, `description`, and `connectionProperties`.

```
{
    "label": "My Salesforce External Connector",
    "description" : "Updated connection to another Salesforce org.",
    "connectionProperties" : [
        {
          "name" : "Password",
          "value" : "*******"
        }, {
          "name" : "Service_URL",
          "value" : "https://MyDomainName.my.salesforce.com
/services/Soap/u/41.0"
        }, {
          "name" : "Username",
          "value" : "user@yourSalesforceOrg.org"
      }
    ]
}
```

Schedule a Connection

To schedule a connection, use the Schedule Resource API. For examples of how to schedule dataflows, recipes, and data syncs, see Schedule Dataflows, Recipes, and Data Syncs

Data Connectors List Resource

Returns a collection of Analytics connectors and creates an Analytics connector.

Resource URL

```
/wave/dataConnectors
```

Formats

JSON

Available Version

39.0

Available in Postman

To view and test a working example of this resource, see getDataConnectorCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectors()`

- LWC — `lightning/analyticsWaveApi` `createDataConnector()`

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
category	ConnectWave ConnectorCategory Enum	The categories that the data connector belongs to. Valid values are: - `AdvancedPropertiesSupport` - `BatchRead` - `Direct` - `FileBased` - `FilterSupport` - `Output` - `Private`	Optional	49.0
connectorType	ConnectWaveData ConnectorTypeEnum	For a full list of the data connector types, see the enum description.	Optional	39.0
folderId	Id	Filters the results to include on the contents of a specific folder. The id can be the requesting user's ID for items in the user's private folder.	Optional	49.0
scope	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: - `Browse` - `CreatedByMe` - `InsightsApplicationsIs CansEdit` - `Mru` (Most Recently Used) - `SharedWithMe`	Optional	38.0

Response body for GET

Data Connector Collection

Request body for POST

Data Connector Input

The following JSON shows how to create a new Analytics connector, of `connectorType` *SalesforceExternal.*

```
{
  "label": "My SalesforceExternal Connector",
  "name" : "mySFDCExt",
  "description" : "Connection to another Salesforce org.",
  "connectorType" : "SalesforceExternal",
  "connectorHandler" : "Legacy",
  "connectionProperties" : [ {
      "name" : "Password",
      "value" : "*******"
    }, {
      "name" : "Service_URL",
      "value" : "https://MyDomainName.my.salesforce.com
/services/Soap/u/53.0"
    }, {
      "name" : "Username",
      "value" : "user@yourSalesforceOrg.org"
    }, {
      "name" : "APIType",
      "value" : "BULKV2"
    }
  ]
}
```

Response body for POST

Data Connector

Data Connector Ingest Resource

Triggers the Analytics connector to run a data sync. This API is the equivalent of the "Run Now" UI feature.

Resource URL

```
/wave/dataConnectors/<connectorId>/ingest
```

Formats

JSON

Available Version

43.0

Available Components

- LWC — `lightning/analyticsWaveApi ingestDataConnector()`

HTTP Methods

POST

Request body for POST

The POST request requires an empty JSON body.

```
{}
```

Response body for POST

Restore Dataset Version

Example

For an example of using the ingest API, see Sync Data Connections

Data Connector Source Objects List Resource

Returns a list of all the source objects that are present under the specified Analytics connection.

Resource URL

```
/wave/dataConnectors/<connectorId>/sourceObjects
```

Formats

JSON

Available Version

37.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
page	String	A generated token that indicates the view of the objects to be returned.	Optional	37.0
pageSize	Int	Number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	37.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically	Optional	54.0

Parameter Name	Type	Description	Required or Optional	Available Version
		removed from the query string in the URI along with any other special characters.		

Response body for GET
Source Object Collection

Data Connector Source Object Resource

Returns a source object resource for an Analytics connector. A source object represents a specific category or type of data that the Analytics connector knows about. When a source object is synced to Analytics, it can be used to create datasets.

Resource URL

```
/wave/dataConnectors/<connectorId>/sourceObjects/<sourceObjectName>
```

Formats

JSON

Available Version

37.0

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectorSourceObject()`

HTTP Methods

GET

Response body for GET

Source Object

Data Connector Source Object Data Preview Resource

Returns a preview of the source object data that the Analytics connector knows about. When a source object is synced to Analytics, it can be used to create datasets.

Resource URL

```
/wave/dataConnectors/<connectorId>/sourceObjects/<sourceObjectName>/dataPreview
```

Formats

JSON

Available Version

40.0

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectorSourceObjectDataPreviewWithFields()`

HTTP Methods

GET POST

Request body for POST

Source Object Data Input

The following JSON shows a POST request for fields to return in the source object data preview. At least one field value must be specified in the list.

```
{
  "sourceObjectFields": ["Id", "Name"]
}
```

Response body for GET and POST

Source Object Data

The following JSON is an example response body.

```
{
  "dataListJson": {
    "records": [
      {"Id": "xxxxxxxxx1", "Name": "Record Name One"},
      {"Id": "xxxxxxxxx2", "Name": "Record Name Two"}
    ]
  },
  "url":
"/services/data/v48.0/wave/dataConnectors/0ItS7000000xxxxxx/sourceObjects/<sourceObjectName>/dataPreview"
}
```

Data Connector Source Object Fields Resource

Returns a list of source fields for a particular source object.

Resource URL

```
/wave/dataConnectors/<connectorId>/sourceObjects/<sourceObjectName>/fields
```

Formats

JSON

Available Version

37.0

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectorSourceFields()`

HTTP Methods

GET

Response body for GET

Source Field Collection

Data Connector Status Resource

Tests the status of an external Analytics connector. This API doesn't work to test a local Salesforce connector.

Resource URL

```
/wave/dataConnectors/<connectorIdOrApiName>/status
```

Formats

JSON

Available Version

45.0

Available in Postman

To view and test a working example of this resource, see getDataConnectorStatus in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectorStatus()`

HTTP Methods

GET

Response body for GET

Data Connector Status

Data Connector Types Resource

Returns a collection of Analytics connector types.

Resource URL

```
/wave/dataConnectorTypes
```

Formats

JSON

Available Version

39.0

Available in Postman

To view and test a working example of this resource, see getDataConnectorTypeCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataConnectorTypes()`

HTTP Methods

GET

Response body for GET

Data Connector Type Collection

Dataflow Job Resources

Dataflow jobs are used to sync data for data prep recipes and standard dataflows.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Dataflow Jobs List Resource	Returns a list of dataflow jobs and starts a new dataflow job. Includes standard dataflows and recipes.	GET POST	`/wave/dataflowjobs`
Dataflow Job Resource	Returns a dataflow job and stops a current dataflow job. Includes standard dataflows and recipes.	GET PATCH	`/wave/dataflowjobs/<dataflowJobId>`
Dataflow Job Nodes List Resource	Returns a collection of dataflow job nodes for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. If the dataflow job id starts with `030`, the result is an empty collection.	GET	`/wave/dataflowjobs/<dataflowJobId>/nodes`
Dataflow Job Nodes Resource	Returns a dataflow job node for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. The node id must start with `03L`.	GET	`/wave/dataflowjobs/<dataflowJobId>/nodes<nodeId>`

Dataflow Jobs List Resource

Returns a list of dataflow jobs and starts a new dataflow job. Includes standard dataflows and recipes.

Dataflow Job Resource

Returns a dataflow job and stops a current dataflow job. Includes standard dataflows and recipes.

Dataflow Job Nodes List Resource

Returns a collection of dataflow job nodes for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. If the dataflow job id starts with `030`, the result is an empty collection.

Dataflow Job Nodes Resource

Returns a dataflow job node for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. The node id must start with `03L`.

Dataflow Jobs List Resource

Returns a list of dataflow jobs and starts a new dataflow job. Includes standard dataflows and recipes.

Resource URL

```
/wave/dataflowjobs
```

Formats
JSON

Available Version
42.0

Available in Postman

To view and test a working example of this resource, see getDataflowJobCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataflowJobs()`
- LWC — `lightning/analyticsWaveApi createDataflowJob()`

HTTP Methods
GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
`dataflowId`	ID	Filters the collection to only contain dataflow jobs tied to this specific dataflow. ID must start with '02K' /wave/dataflowjobs?dataflowId=02K0000000xxxxx	Optional	42.0
`jobTypes`	ConnectJobType Enum[]	Filters the collection to only contain dataflow jobs for specified job types. Valid values are: • `DataCloudRecipe` • `DataSync` • `FileUpload` • `Internal` • `Orchestrated` • `Recipe` • `Recipe_V3` • `Report` • `Restore` • `User` /wave/dataflowJobs?jobTypes=Recipe,DataSync	Optional	53.0
`licenseType`	ConnectAnalytics LicenseTypeEnum	Filters the collection by the Analytics license type. Valid values are: • `Cdp` (Data 360) • `DataPipelineQuery` (Data Pipeline Query) • `EinsteinAnalytics` (CRM Analytics) • `IntelligentApps` (Intelligent Apps) • `Sonic` (Salesforce Data Pipeline)	Optional	53.0

Parameter Name	Type	Description	Required or Optional	Available Version
page	String	A generated token that indicates the view of dataflow jobs to be returned.	Optional	51.0
page Size	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	51.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	51.0
startedAfter	String	Filters the collection to only contain dataflow jobs started at or after the specified date-time (in Epoch seconds in UTC). /wave/dataflowJobs?startedAfter=1622582667	Optional	53.0
startedBefore	String	Filters the collection to only contain dataflow jobs started at or before the specified date-time (in Epoch seconds in UTC). /wave/dataflowJobs?startedBefore=1622582667	Optional	53.0
status	ConnectWave DataflowJobStatus Enum	Filters the collection to only contain dataflow jobs with a specific runtime status. Valid values are: • `Failure` • `Queued` • `Running` • `Success` • `Warning` `/wave/dataflowJobs?status=Queued`	Optional	51.0

Note: If a `page` or `pageSize` parameter isn't provided, the response includes only the dataflow jobs run in the past 7 days. To see jobs older than 7 days, provide a `page` or `pageSize` parameter.

Response body for GET
Dataflow Job Collection

Request body for POST

Use the POST API request to start a Dataflow. To stop a Dataflow, use the PATCH request on
`/wave/dataflowjobs/<dataflowjobId>`. Dataflow Job Input

The following JSON shows how to start a dataflowJob.

```
{
  "dataflowId": "02KS700000004G3eMAE",
  "command" : "start"
}
```

Response body for POST

Dataflow Job

Start or Stop a Dataflow Job

For examples about how to start and stop Dataflow Jobs, see Start and Stop a Dataflow Job or Recipe

Dataflow Job Resource

Returns a dataflow job and stops a current dataflow job. Includes standard dataflows and recipes.

Resource URL

```
/wave/dataflowjobs/<dataflowjobId>
```

Formats

JSON

Available Version

42.0

Available in Postman

To view and test a working example of this resource, see getDataflowJob in Postman. For information about how to authenticate your
org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataflowJob()`
- LWC — `lightning/analyticsWaveApi updateDataflowJob()`

HTTP Methods

GET PATCH

Response body for GET and PATCH

Dataflow Job

Request body for PATCH

Dataflow Job Input

Use the PATCH API request to stop a Dataflow. To start a Dataflow, use the POST request on `/wave/dataflowjobs`.

The following JSON shows how to stop a dataflowJob. If the dataflowJob ID is `03CS70000004LcDMAU`, the resource endpoint is `/services/data/v60.0/wave/dataflowJobs/03CS70000004LcDMAU`.

```
{
  "command" : "stop"
}
```

Start or Stop a Dataflow Job

For examples of how to start and stop Dataflow Jobs, see Start and Stop a Dataflow Job or Recipe

Dataflow Job Nodes List Resource

Returns a collection of dataflow job nodes for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. If the dataflow job id starts with `030`, the result is an empty collection.

Resource URL

```
/wave/dataflowjobs/<dataflowjobId>/nodes
```

Formats

JSON

Available Version

50.0

Available in Postman

To view and test a working example of this resource, see getDataflowJobNodeCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataflowJobNodes()`

HTTP Methods

GET

Response body for GET

Dataflow Job Node Collection

Dataflow Job Nodes Resource

Returns a dataflow job node for a standard dataflow or a recipe. This request only works for dataflow jobs with ids starting with `030`, `03C`, or `0eP`. The node id must start with `03L`.

Resource URL

```
/wave/dataflowjobs/<dataflowjobId>/nodes/<nodeId>
```

Formats

JSON

Available Version

50.0

Available in Postman

To view and test a working example of this resource, see getDataflowJobNode in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDataflowJobNode()`

HTTP Methods

GET

Response body for GET

Dataflow Job Node

Dataflow Resources

Dataflows are used to prepare data for Analytics, creating one or more datasets using transformations to manipulate the data.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Dataflow List Resource	Returns a collection of dataflows	GET	/wave/dataflows
Dataflow Resource	Returns a dataflow. Reverts a dataflow to a previous version.	GET PATCH PUT	/wave/dataflows/\<dataflowId\>

Dataflows List Resource

Returns a collection of dataflows.

Dataflow Resource

Returns a dataflow. Reverts a dataflow to a previous version.

Dataflows List Resource

Returns a collection of dataflows.

Resource URL

/wave/dataflows

Formats

JSON

Available Version

37.0

Available in Postman

To view and test a working example of this resource, see getDataflowCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — lightning/analtyicsWaveApi getDataflows()

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	47.0

The following REST URL shows how to use the q parameter as a search query in the GET request.

```
/wave/dataflows?q=MyDataflow
```

Response body for GET

Dataflow Collection

Dataflow Resource

Returns a dataflow. Reverts a dataflow to a previous version.

Resource URL

```
/wave/dataflows/<dataflowId>
```

Formats
JSON

Available Version
37.0

Available in Postman

To view and test a working example of this resource, see getDataflow in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

HTTP Methods
GET PATCH (50.0) PUT

Run a Dataflow
To schedule a dataflow, use the Dataflow Jobs Resource API. For examples of how to start and stop dataflows, see Start and Stop a Dataflow Job or Recipe.

Schedule a Dataflow
To schedule a dataflow, use the Schedule Resource API. For examples of how to schedule dataflows, see Schedule Dataflows, Recipes, and Data Syncs.

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	String	Use the history ID to request a specific dataflow version.	Optional	42.0

Response body for GET, PATCH, and PUT

Dataflow

Request body for PATCH

Dataflow Input

Request body for PUT

Use the PUT API request to revert to a previous historical version. Asset Revert History Input

The following JSON shows the revert request for a dataflow version.

```
{
  "historyId" : "0RmS7000000xxxxxxx"
}
```

Dataset Resources

Manage Analytics dataset and dataset versions.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Datasets List Resource	Returns a collection of Analytics datasets and creates a dataset.	GET POST	/wave/datasets
Dataset Resource	Returns the Analytics dataset with the specified ID, deletes a dataset, or updates a dataset.	GET, DELETE, PATCH	/wave/datasets/<datasetIdOrApiName>
Dataset Versions List Resource	Returns a collection of dataset versions for a particular dataset.	GET	/wave/datasets/<datasetIdOrApiName>/versions
Dataset Version Resource	Returns an Analytics dataset version or updates the predicate.	GET, PATCH	/wave/datasets/<datasetIdOrApiName>/versions/<versionId>
Dataset Version File Resource	Provides access to the binary content of the dataset file.	GET	/wave/datasets/<datasetIdOrApiName>/versions/<versionId>/files/<fileId>

Datasets List Resource

Returns a collection of Analytics dataset and creates a dataset.

Dataset Resource

Returns, deletes, or updates a dataset with the specified ID or API name.

Dataset Versions List Resource

Returns a list of dataset versions for a particular dataset or creates a version.

Dataset Version Resource

Returns an Analytics dataset version or updates the version predicate.

Dataset Version File Resource

Provides access to the binary content of the dataset version file.

Datasets List Resource

Returns a collection of Analytics dataset and creates a dataset.

Resource URL

```
/wave/datasets
```

Formats

JSON

Available Version

GET 36.0 POST 50.0

Available in Postman

To view and test a working example of this resource, see getDatasetCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Aura — `<wave:sdk> listDatasets()`
- LWC — `lightning/analyticsWaveApi getDatasets()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
createdAfter	String	Filters the results to include only the contents created after a specific timestamp.	Optional	56.0
createdBefore	String	Filters the results to include only the contents created before a specific timestamp.	Optional	56.0
datasetTypes	ConnectWave DatasetTypeEnum	The type of the dataset. Valid values are: • `Default` • `Live` • `StagedData` • `Trended`	Optional	50.0
folderId	ID	Filters the results to include only the contents of a specific folder. The id can be the requesting user's ID for items in the user's private folder.	Optional	36.0
hasCurrent Only	Boolean	Indicates whether to filter the list of datasets to include only those datasets that have a current version (`true`) or not (`false`). The default is `false`.	Optional	52.0
ids	ID[]	Filter the list of datasets to include only datasets with the specified ids.	Optional	53.0
include Current Version	Boolean	Indicates whether to include the current dataset version metadata in the collection (`true`) or not (`false`). The default is `false`.	Optional	52.0
lastQueried After	String	Filters the results to include only the contents last queried after a specific timestamp.	Optional	56.0
lastQueried Before	String	Filters the results to include only the contents last queried before a specific timestamp.	Optional	56.0
licenseType	ConnectAnalytics LicenseTypeEnum	Filters the collection by the Analytics license type. Valid values are: • `Cdp` (Data 360) • `DataPipelineQuery` (Data Pipeline Query) • `EinsteinAnalytics` (CRM Analytics)	Optional	52.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `IntelligentApps` (Intelligent Apps) • `Sonic` (Salesforce Data Pipeline)		
`order`	Enum	Ordering applied to the results. Valid values are: • `Ascending` • `Descending`	Optional	42.0
`page`	String	A generated token that indicates the view of datasets to be returned.	Optional	36.0
`pageSize`	Int	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	36.0
`q`	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	36.0
`scope`	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • `Browse` • `CreatedByMe` • `InsightsApplicationsIs CansEdit` • `Mru` (Most Recently Used) • `SharedWithMe`	Optional	38.0
`sort`	ConnectWave DatasetSortOrder TypeEnum	The type of sort order to be applied to the returned dataset collection. Valid values are: • `ConnectionName` (only valid if the dataset is a Live Dataset) • `CreatedBy` • `CreatedDate` • `LastModified` • `LastQueried` • `LastRefreshed`	Optional	38.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `Mru` (Most Recently Used, last viewed date)		
		• `Name`		
		• `TotalRows`		
supportsNew Dates	Boolean	Indicates whether to filter the list of datasets to include only those datasets that support new dates (`true`) or not (`false`). The default is `false`.	Optional	52.0
typeOf Dataflow	String	Filters the list of datasets to include only those datasets that have the specified type of dataflow.	Optional	61.0

You can filter the results to include only those datasets that have a current dataset version defined by using the `hasCurrentOnly` parameter. You can also request supplemental information about datasets that have a current dataset version defined by using the `filterGroup` parameter. For example, the following GET request sets these parameters:

```
/wave/datasets?hasCurrentOnly=true&filterGroup=Supplemental
```

This request filters the list of datasets and adds the following supplemental fields to the output representation:

- `currentVersionCreatedBy`
- `currentVersionCreatedDate`
- `currentVersionLastModifiedBy`
- `currentVersionLastModifiedDate`

For more information about the `filterGroup` parameter, see Specifying Response Sizes in the *Connect REST API Developer Guide*.

Response body for GET

Dataset Collection

Request body for POST

Dataset Input

Response body for POST

Dataset

Dataset Resource

Returns, deletes, or updates a dataset with the specified ID or API name.

Resource URL

```
/wave/datasets/<datasetIdOrApiName>
```

Formats

JSON

Available Version

Available in Postman

To view and test a working example of this resource, see getDataset in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

36.0

Available Components

- Aura — `<wave:sdk> describeDataset()`
- Aura — `<wave:sdk> getDatasetFields()`
- LWC — `lightning/analyticsWaveApi getDataset()`
- LWC — `lightning/analyticsWaveApi createDataset()`
- LWC — `lightning/analyticsWaveApi deleteDataset()`
- LWC — `lightning/analyticsWaveApi updateDataset()`

HTTP Methods

GET DELETE PATCH

Response body for GET and PATCH

Dataset

Request body for PATCH

Dataset Input

The following JSON shows how to edit an existing dataset description.

```
{
  "description": "This is my dataset",
  "label": "Test Dataset"
}
```

Dataset Versions List Resource

Returns a list of dataset versions for a particular dataset or creates a version.

Resource URL

```
/wave/datasets/<datasetIdOrApiName>/versions
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getDatasetVersionCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDatasetVersions()`
- LWC — `lightning/analyticsWaveApi createDatasetVersion()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`createdAfter`	String	Filters the results to include only dataset versions created after a specific timestamp.	Optional	62.0
`createdBefore`	String	Filters the results to include only dataset versions created before a specific timestamp.	Optional	62.0
`include Archived`	Boolean	Filters the results to include archived dataset versions (`true`) or not (`false`).	Optional	62.0

Response body for GET

Dataset Version Collection

Request body for POST

Restore Dataset Version Input

Response body for POST

Restore Dataset Version

Dataset Version Resource

Returns an Analytics dataset version or updates the version predicate.

Resource URL

```
/wave/datasets/<datasetIdOrApiName>/versions/<versionID>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getDatasetVersion in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDatasetVersion()`
- LWC — `lightning/analyticsWaveApi updateDatasetVersion()`

HTTP Methods

GET PATCH

Response body for GET and PATCH

Dataset Version

Request body for PATCH

Dataset Version Input

The following JSON shows how to edit an existing dataset version predicate.

```
{
  "predicate" : "<predicate value>"
}
```

Dataset Version File Resource

Provides access to the binary content of the dataset version file.

📝 **Note:** This resource is accessible only by the Integration User.

Resource URL

```
/wave/datasets/<datasetIdOrApiName>/versions/<versionId>/files/<fileId>
```

Formats
  JSON

Available Version
  36.0

HTTP Methods
  GET

GET Response Body
  Returns the binary content of the dataset file.

Dependencies Resource

Returns the dependencies for an asset.

The dependencies resource returns only assets on which you have view access.

Resource URL

```
/wave/dependencies/<assetId>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getDependency in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getDependencies()`

HTTP Methods

GET

Response body for GET

Dependency

Eclair Chart Resources

Eclair charts render maps and geodata in Analytics dashboards.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Charts Maps List Resource	Returns a collection of maps, or creates a map.	GET POST	/eclair/maps
Charts Maps Resource	Get, update, or delete a specific map.	DELETE GET PATCH	/eclair/maps/<id>
Charts Geodata Resource	Get, update, or delete a specific geodata definition.	DELETE GET PATCH	/eclair/geodata/<id>
Charts Geodata List Resource	Returns a collection of geodata definitions, or creates a geodata definition.	GET POST	/eclair/geodata
Charts Geodata File List Resource	Get the binary file associated with a geodata definition.	GET	/eclair/geodata/<id>/file

Charts Geodata List Resource

Returns a collection of geodata definitions and creates a geodata definition.

Charts Geodata Resource

Returns a geodata definition, updates, or delete a geodata definition.

Charts Geodata File List Resource

Return the binary file associated with a geodata definition.

Charts Maps List Resource

Returns a list of maps or creates a map.

Charts Maps Resource

Returns, updates, or deletes a specific map.

Charts Geodata List Resource

Returns a collection of geodata definitions and creates a geodata definition.

Resource URL

```
/eclair/geodata
```

Formats

JSON

Available Version

38.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
page	Int	The page number you want to view.	Optional	38.0
pageSize	Int	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	38.0

Response body for GET

Geo Data Collection

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
geoDataFile	Binary	The geodata JSON file to upload.	Required	39.0
geoDataObject	GeoDataInput	All the relevant information about the geodata, such as {"label": "My GeoData"}.	Required	39.0

Response body for POST

Geo Data

The following JSON shows how to create a geodata resource from a GeoJson file.

```
{
  "label": "GeoJsonLabel",
  "name": "GeoJsonName"
}
```

Charts Geodata Resource

Returns a geodata definition, updates, or delete a geodata definition.

Resource URL

```
/eclair/geodata/<id>
```

Formats
JSON

Available Version
38.0

HTTP Methods
DELETE GET PATCH

Response body for GET and PATCH
Geo Data

PATCH Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
geoDataFile	Binary	The geodata JSON file to upload.	Required	39.0
geoDataObject	GeoDataInput	All the relevant information about the geodata, such as { "label": "My GeoData" }.	Required	39.0

Charts Geodata File List Resource

Return the binary file associated with a geodata definition.

Resource URL

```
/eclair/geodata/<id>/file
```

Formats
JSON

Available Version
38.0

HTTP Methods
GET

GET Response Body
`StreamedRepresentation`. Returns a binary stream of the contents of the specified file.

Charts Maps List Resource

Returns a list of maps or creates a map.

Resource URL

```
/eclair/maps
```

85

Formats

JSON

Available Version

38.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
page	Int	The page number you want to view.	Optional	38.0
pageSize	Int	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	38.0

Response body for GET

Map Collection

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
geoMapObject	MapInput	All the relevant information about the map, such as {"label": "My Map"}.	Required	39.0

Response body for POST

Map

The following JSON shows how to create a map resource from a GeoJson file with the optional bounding box.

```
{
  "boundingBox": {
    "bottom": 40.5534,
    "left": -80.251,
    "right": -79.8211
    "top": 40.3287
  },
  "geoData": {
    "id": "<id_of_geodata_resource>"
  },
  "name":"developer_name_for_map",
  "label": "display_label_for_map",
  "projection" : "equirectangular"
}
```

Charts Maps Resource

Returns, updates, or deletes a specific map.

Resource URL

```
/eclair/maps/<id>
```

Formats
JSON

Available Version
38.0

HTTP Methods
DELETE GET PATCH

Response body for GET and PATCH
Map

PATCH Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
geoMapObject	MapInput	All the relevant information about the map, such as {"label": "My Map"}.	Required	39.0

Features Configuration Resource

The Analytics features that are available to a user.

Resource URL

```
/wave/config/features
```

Formats
JSON

Available Version
36.0

HTTP Methods
GET

Response body for GET
Wave Features

Folder Resources

Analytics folders represent apps, a collection of assets. Folders can be created by users or by Analytics templates.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Folders List Resource	Returns a collection of apps or folders and creates an Analytics app	GET POST	`/wave/folders`
Folder Resource	Returns a folder, updates a folder, or deletes a folder.	GET PATCH DELETE	`/wave/folders/<folderId>`
Folder Schedule Resource	Returns a folder schedule, updates a folder schedule, or deletes a folder schedule.	GET PATCH DELETE	`/wave/folders/<folderId>/schedule`
Folder Settings Resource	Returns folder settings or updates folder settings.	GET PUT	`/wave/folders/<folderId>/settings`

Folders List Resource

Returns a collection of apps or folders and creates an Analytics app, which is a folder that contains Analytics dataset, lenses, and dashboard.

Folder Resource

Returns, deletes, updates, or replaces an Analytics app or folder with the specified ID.

Folder Schedule Resource

Returns, deletes, or updates the schedule for an Analytics app or folder with the specified ID.

Folder Settings Resource

Returns or updates the settings for an Analytics app or folder with the specified ID.

Folders List Resource

Returns a collection of apps or folders and creates an Analytics app, which is a folder that contains Analytics dataset, lenses, and dashboard.

Resource URL

```
/wave/folders
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getWaveFolderCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Aura — `<wave:sdk> createFolder()`
- Aura — `<wave:sdk> listFolders()`
- LWC — `lightning/analyticsWaveApi getWaveFolders()`
- LWC — `lightning/analyticsWaveApi postWaveFolders()`

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
`isPinned`	Boolean	Indicates whether to filter the collection of folders to return only pinned folders (`true`) or not (`false`).	Optional	36.0
`mobileOnly FeaturedAssets`	Boolean	Indicates whether to filter the collection of folders to show only dashboards that are enabled for the Analytics mobile app (`true`) or not (`false`).	Optional	43.0
`page`	String	A generated token that indicates the view of folders to be returned.	Optional	36.0
`pageSize`	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	36.0
`q`	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	36.0
`scope`	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • `Browse` • `CreatedByMe`	Optional	38.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `InsightsApplicationsIsCansEdit` • `Mru` (Most Recently Used) • `SharedWithMe`		
`sort`	ConnectWaveSortOrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • `App` • `CreatedBy` • `CreatedById` • `CreatedDate` • `FolderName` • `LastModified` • `LastModifiedBy` • `LastModifiedById` • `LastModifiedDate` • `Location` • `Mru` (Most Recently Used, last viewed date) • `Name` • `Outcome` • `Owner` • `RefreshDate` (for assets like datasets) • `RunDate` (for assets like reports) • `Status` • `Title` • `Type`	Optional	38.0
`templateFilters`	ConnectWaveTemplateSearchFiltersEnum	The filter templates to apply to the returned collection. Valid values are: • `AppsConstructedByTemplate` • `AppsWithInstallHistory`	Optional	57.0
`templateSourceId`	String	Filters the results to include only a collection of folders created from a specific template source	Optional	36.0

Response body for GET

Wave Folder Collection

Request body for POST

This is a Wave Folder Input or a Wave Folder Template Input, both of which implement the Base Wave Folder Input.

Response body for POST

Wave Folder

Folder Resource

Returns, deletes, updates, or replaces an Analytics app or folder with the specified ID.

Resource URL

```
/wave/folders/<folderID>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getWaveFolder in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Aura — `<wave:sdk> updateFolder()`
- Aura — `<wave:sdk> upgradeFolder()`
- Aura — `<wave:sdk> deleteFolder()`
- LWC — `lightning/analyticsWaveApi getWaveFolder()`
- LWC — `lightning/analyticsWaveApi deleteWaveFolder()`
- LWC — `lightning/analyticsWaveApi updatePartialWaveFolder()`
- LWC — `lightning/analyticsWaveApi updateWaveFolder()`

HTTP Methods

GET DELETE PATCH PUT

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`disableMru`	Boolean	Indicates whether to update the MRU should be updated (`true`) or not (`false`).	Optional	53.0
`mobileOnly Featured Assets`	Boolean	Indicates whether to filter the collection of folders to show only dashboards that are enabled for the Analytics mobile app (`true`) or not (`false`).	Optional	43.0

To get the application log for the folder, use the `filterGroup` request parameter with the `Supplemental` value in the GET request.

```
/wave/folders/<folderID>?filterGroup=Supplemental
```

Response body for GET

Wave Folder

Request body for PUT and PATCH

This can be a Wave Folder Input or a Wave Folder Template Input, both of which implement the Base Wave Folder Input.

Response body for PATCH and PUT

Wave Folder

Folder Schedule Resource

Returns, deletes, or updates the schedule for an Analytics app or folder with the specified ID.

Resource URL

```
/wave/folders/<folderID>/schedule
```

Formats

JSON

Available Version

57.0

HTTP Methods

GET DELETE PATCH

Response body for GET and PATCH

Wave Folder Schedule

Request body for PATCH

Wave Folder Schedule Input

Folder Settings Resource

Returns or updates the settings for an Analytics app or folder with the specified ID.

Resource URL

```
/wave/folders/<folderID>/settings
```

Formats
JSON

Available Version
57.0

HTTP Methods
GET PUT

Response body for GET and PUT
Analytics App Setting Collection

Request body for PUT
Analytics App Setting Collection Input

JsonXform Transformation Resource

Performs a JSON transformation by invoking a set of rules and expressions on a JSON document. The transformed JSON is returned in the REST response and isn't saved on the server. This service is provided to test rules used in Analytics templates.

Resource URL

```
/wave/jsonxform/transformation
```

Formats

JSON

Available Version

43.0

HTTP Methods

POST

Request body for POST

Json Transformation Input

Response body for POST

Json Transformation

For more information about testing JSON transformations, see Rules Testing with jsonxform/transformation endpoint in the Analytics Templates Developer Guide.

Limits Resource

The Analytics limits for the Salesforce org.

Resource URL

```
/wave/limits
```

Formats
JSON

Available Version
51.0

Available in Postman

To view and test a working example of this resource, see getWaveAnalyticsLimitCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getAnalyticsLimits()`

HTTP Methods
GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
`licenseType`	ConnectAnalytics LicenseTypeEnum	Filters the results by the Analytics license type. Valid values are: • `Cdp` (Data 360) • `DataPipelineQuery` (Data Pipeline Query) • `EinsteinAnalytics` (CRM Analytics) • `IntelligentApps` (Intelligent Apps) • `Sonic` (Salesforce Data Pipeline)	Optional	51.0

Parameter Name	Type	Description	Required or Optional	Available Version
types	ConnectAnalytics LimitTypeEnum	Filters the results by the type of limits used in Analytics. Valid values are: • `BatchTransformationHours` (Maximum dataflow runtime per month) • `DatasetQueries` (Maximum queries on datasets for all users) • `DatasetRowCount` (Maximum row of all datasets combined) • `MaxDailyRowsDataCloud OutputCon` (Maximum rows for Data 360 output per rolling 24-hour period) • `MaxDailyRowsHighOutput Con` (Maximum rows for all high volume tier output connectors per rolling 24-hour period) • `MaxDailyRowsLowOutputCon` (Maximum rows for all low volume tier output connectors per rolling 24-hour period) • `MaxDailyRowsMedOutputCon` (Maximum rows for all medium volume tier output connectors per rolling 24-hour period) • `MaxDailySizeHighOutput Con` (Maximum data size for all high volume tier output connectors per rolling 24-hour period) • `MaxDailySizeLowOutputCon` (Maximum data size for all low volume tier output connectors per rolling 24-hour period) • `MaxDailySizeMedOutputCon` (Maximum data size for all medium volume tier output connectors per rolling 24-hour period) • `MaxDailySizeVirtual PrivateCloudCon` (Maximum cumulative bytes of data sent through connections using a virtual private cloud in a rolling 24-hour period)	Optional	51.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `MaxDailyUploadVolume` (Maximum cumulative bytes of data files uploaded to Salesforce in a rolling 24-hour period)		
		• `MaxDailyWorkflow Executions` (Maximum number of dataflow and recipe runs in a rolling 24-hour period)		
		• `MaxRecipeOutRowsPerMonth` (Maximum number of rows output by all recipes to all datasets in a month)		
		• `MaxReplicatedObjects` (Maximum number of connected objects)		
		• `OutputLocalConnector Volume` (Maximum cumulative bytes of data files written to Salesforce in a rolling 24-hour period)		
		• `StagedDatasetRowCount` (Maximum rows for staged datasets)		

Response body for GET
Wave Analytics Limit Collection

Lens Resources

Analytics lenses are how users view data in a dataset and are the basis for building any dashboard. These resources allow users to manage collections of lenses, individual lenses, and lens files.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Lenses List Resource	Returns a collection of Analytics lenses, or creates a lens.	GET POST	`/wave/lenses`
Lens Resource	Returns a JSON file that describes the structure of an Analytics lens with the specified ID, deletes a lens, or updates a lens.	GET DELETE PATCH	`/wave/lenses/<lensIdOrApiName>`
Lens Bundle Resource	Returns a JSON file that describes the structure of an Analytics lens bundle with the specified ID or updates a lens bundle.	GET PUT	`/wave/lenses/<lensIdOrApiName> /bundle`

Resource	Description	Supported HTTP Method	Resource URL
Lens File Resource	Returns a file that is part of an Analytics lens.	GET PUT	`/wave/lenses/<lensIdOrApiName>/files/<files ID>`

Lenses List Resource

Returns a list of Analytics lenses or creates a lens.

Lens Resource

Returns, deletes, or updates the lens with the specified ID or API name.

Lens File Resource

Returns or updates a file that is part of an Analytics lens.

Lens File Metadata Resource

Returns or creates the lens file metadata with the specified ID or API name.

Lens Bundle Resource

Returns or updates the lens bundle with the specified ID or API name.

Lenses List Resource

Returns a list of Analytics lenses or creates a lens.

Resource URL

```
/wave/lenses
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getLensCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Apex — `Wave.Lenses.getLenses()`
- Aura — `<wave:sdk> listLenses()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
folderId	ID	Filters the results to include only the contents of a specific folder. The id can be the requesting user's ID for items in the user's private folder.	Optional	36.0
page	String	A generated token that indicates the view of the lenses to be returned.	Optional	36.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	36.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	36.0
scope	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • CreatedByMe • Mru (Most Recently Used) • SharedWithMe	Optional	38.0
sort	ConnectWaveSort OrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • App • CreatedBy • CreatedDate • LastModified • LastModifiedBy • Mru (Most Recently Used, last viewed date) • Name • Type	Optional	38.0

GET Response Body

Lens Collection

POST Response Body

Lens

Lens Resource

Returns, deletes, or updates the lens with the specified ID or API name.

Resource URL

```
/wave/lenses/<lensIdOrApiName>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getLens in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Apex — `Wave.Lenses.getLens()`
- Aura — `<wave:sdk> describeLens()`

HTTP Methods

GET DELETE PATCH

GET and PATCH Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
lensIdOrApi Name	ID	The lens ID or API name to return or update.	Required	36.0

GET and PATCH Response Body

Lens

PATCH Request Body

Lens Input

Lens File Resource

Returns or updates a file that is part of an Analytics lens.

Resource URL

```
/wave/lenses/<lensIdOrApiName>/files/<fileId>
```

Formats

JSON

Available Version

36.0

HTTP Methods

GET PUT

GET and PUT Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
fileId	Id	The 18 character file ID to return.	Required	36.0
lensIdOrApiName	ID	The lens ID or API name to request the files for.	Required	36.0

GET Response Body

Returns the binary stream of the contents of the specified file.

PUT Request Body

The binary upload to update the preview file with.

PUT Response Body

Wave File Metadata

Lens File Metadata Resource

Returns or creates the lens file metadata with the specified ID or API name.

Resource URL

```
/wave/lenses/<lensIdOrApiName>/files
```

Formats

JSON

Available Version

36.0

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
lensIdOrApi Name	ID	The lens ID or API name to request the files for.	Required	36.0
page	String	A generated token that indicates the view of the lenses to be returned.	Optional	36.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	36.0

GET Response Body

Wave File Metadata Collection

POST Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`lensIdOrApiName`	ID	The lens ID or API name to upload the file to.	Required	36.0

POST Request Body

The binary upload to create the preview file.

POST Response Body

Wave File Metadata

Lens Bundle Resource

Returns or updates the lens bundle with the specified ID or API name.

Resource URL

```
/wave/lenses/<lensIdOrApiName>/bundle
```

Formats

JSON

Available Version

43.0

HTTP Methods

GET PUT

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
`historyId`	ID	Get a bundled lens resource representation for a specific lens history.	Optional	43.0
`isUpdateMru`	Boolean	Indicates whether to retrieve the bundle if the MRU is updated (`true`) or not (`false`).	Optional	58.0

GET Response Body

Wave Asset Bundle

PUT Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
history	AssetRevertHistory Input	Revert a lens to a previous historical record.	Required	45.0

PUT Response Body

Wave Asset Bundle

Query Resource

Executes a query written in Salesforce Analytics Query Language (SAQL) or SQL for CRM Analytics.

Resource URL

```
/wave/query
```

Formats
JSON

Available Version
36.0

Available in Postman

To view and test a working example of this resource, see postQuery in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Apex — `Wave.executeQuery()`
- Aura — `<wave:sdk> executeQuery()`
- LWC — `lightning/analyticsWaveApi executeQuery()`

HTTP Methods
POST

Request body for POST
SaqlQueryInput

Response body for POST
Literal JSON

Execute a Query
For examples of how to execute SAQL and SQL queries, see Query CRM Analytics Data with the Query API.

Recipe Resources

Recipes are used to prepare data, creating a dataset using transformations to manipulate the data.

Recipes prepare data for use in Analytics and the Customer Data Platform. For reference content, see the Data Prep Recipe REST API Developer Guide.

Replicated Dataset Resources

Manage Analytics replicated datasets, also know as connected objects. A data sync loads source object data as a connected object in Analytics. Connected objects can't be visualized directly, but are used like a cache to speed up other jobs that pull from the source object and load it into a dataset.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Replicated Datasets List Resource	Returns a collection of replicated datasets, also know as connected objects.	GET, POST	`wave/replicatedDatasets`
Replicated Dataset Resource	Returns, updates, and deletes replicated datasets.	GET PATCH DELETE	`/wave/replicatedDatasets/ <replicatedDatasetId>`
Replicated Dataset Fields Resource	Returns a collection of fields for the specified connected object.	GET PATCH	`/wave/replicatedDatasets/ <replicatedDatasetId>/fields`

Replicated Datasets List Resource

Returns a list of replicated datasets, also know as connected objects.

Replicated Dataset Resource

Returns, updates, and deletes replicated datasets, also know as connected objects. A data sync loads source object data as a connected object in Analytics. Connected objects can't be visualized directly, but are used like a cache to speed up other jobs that pull from the source object and load it into a dataset.

Replicated Dataset Fields Resource

Retrieves a list of fields for the specified connected object.

Replicated Datasets List Resource

Returns a list of replicated datasets, also know as connected objects.

Resource URL

```
/wave/replicatedDatasets
```

Formats

JSON

Available Version

37.0

Available in Postman

To view and test a working example of this resource, see getReplicatedDatasetCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getReplicatedDatasets()`
- LWC — `lightning/analyticsWaveApi createReplicatedDataset()`

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
`category`	ConnectWave ReplicatedDataset CategoryEnum	The category for connected objects. Valid values are: • `Input` • `Output`	Optional	50.0
`connector`	String	Filter the list of returned connected objects by specifying the name of an Analytics connector.	Optional	37.0
`includeLive`	Boolean	Indicates whether to include live datasets in the list (`true`) or not (`false`).	Optional	56.0
`q`	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	53.0

Parameter Name	Type	Description	Required or Optional	Available Version
sourceObject	String	Filter the list of returned connected objects by specifying the name of a source object.	Optional	37.0

Response body for GET

Replicated Dataset Collection

Request body for POST

Replicated Dataset Input

The following JSON shows how to create a connected object from an Analytics connector.

```
{
  "connectorId": "0ItS7000000xxxxxxx",
  "sourceObjectName": "Account"
}
```

Response body for POST

Replicated Dataset

Replicated Dataset Resource

Returns, updates, and deletes replicated datasets, also know as connected objects. A data sync loads source object data as a connected object in Analytics. Connected objects can't be visualized directly, but are used like a cache to speed up other jobs that pull from the source object and load it into a dataset.

Resource URL

```
/wave/replicatedDatasets/<id>
```

Formats

JSON

Available Version

37.0

Available in Postman

To view and test a working example of this resource, see getReplicatedDataset in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

HTTP Methods

DELETE GET PATCH

Available Components

- LWC — `lightning/analyticsWaveApi deleteReplicatedDataset()`
- LWC — `lightning/analyticsWaveApi getReplicatedDataset()`

Response body for GET and PATCH

Replicated Dataset

Request body for PATCH

Replicated Dataset Input

The following JSON shows how to update an existing connected object by adding a pass through filter and setting the connection mode to `Full`.

```
{
  "passThroughFilter": "(FiscalQuarter = 2 OR FiscalQuarter = 3) AND Amount > 1000 AND
    Amount <= 20000",
  "connectionMode": "Full"
}
```

Replicated Dataset Fields Resource

Retrieves a list of fields for the specified connected object.

Resource URL

```
/wave/replicatedDatasets/<Id>/fields
```

Formats

JSON

Available Version

37.0

Available in Postman

To view and test a working example of this resource, see getReplicatedFields in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getReplicatedFields()`
- LWC — `lightning/analyticsWaveApi updateReplicatedFields()`

HTTP Methods

GET PATCH

Response body for GET and PATCH

Replicated Field Collection

PATCH Request Body

Replicated Field Collection Input

The following JSON shows how to update fields for a connected object.

```
{
    "fields": [
        {"fieldType": "text", "label": "Id", "name": "Id", "skipped": "false"},
        {"fieldType": "text", "label": "Name", "name": "Name", "skipped": "false"},
        {"fieldType": "numeric", "label": "Amount", "name": "Amount", "precision": 18,
        "scale": 2, "skipped": "false"},
        {"fieldType": "date", "label": "CloseDate", "name": "CloseDate",
        "format": "yyyy-MM-dd'T'HH:mm:ss.SSS'Z'", "skipped": "false"}
    ]
}
```

Schedule Resource

Retrieve, create or delete a schedule for a dataflow, recipe, or connection sync.

Resource URL

```
/wave/asset/<assetId>/schedule
```

Formats

JSON

Available Version

GET (52.0), PUT (40.0), DELETE (43.0)

Available in Postman

To view and test a working example of this resource, see getSchedule in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getSchedule()`
- LWC — `lightning/analyticsWaveApi updateSchedule()`

HTTP Methods

GET PUT DELETE

Response body for GET and PUT

Schedule

Request body for PUT

The request body can be one of the following schedule types: Schedule Input, HourlyScheduleInput, WeeklyScheduleInput, Monthly RelativeScheduleInput, MonthlySpecificScheduleInput, orEventBasedScheduleInput

Examples

For more examples on about how to schedule dataflows, recipes, and connection syncs, see Schedule Dataflows, Recipes, and Data Syncs

Subscription Resources

Manages subscriptions for Analytics dashboards.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Subscriptions List Resource	Returns a list of subscriptions or creates a subscription schedule.	GET POST	`/wave/subscriptions`
Subscription Resource	Retrieve, update, or delete a subscription.	GET PATCH DELETE	`/wave/subscriptions/<subscriptionId>`
Subscription Layout Resource	Update the grid layout for a subscription.	PATCH	`/wave/subscriptions/<subscriptionId>/layout`

Resource	Description	Supported HTTP Method	Resource URL
Subscription Widgets Resource	Create a subscription for a widget.	POST	/wave/subscriptions/<subscriptionId>/widgets
Subscription Widget Resource	Update or delete a subscription for a widget.	PATCH DELETE	/wave/subscriptions/<subscriptionId>/widgets/<widgetId>

Subscriptions List Resource

Returns a list of subscriptions or creates a subscription schedule.

Subscription Resource

Retrieve, update, or delete a subscription.

Subscription Layout Resource

Update the grid layout for a subscription.

Subscription Widgets Resource

Create a subscription for a widget.

Subscription Widget Resource

Update or delete a subscription for a widget.

Subscriptions List Resource

Returns a list of subscriptions or creates a subscription schedule.

Resource URL

```
/wave/subscriptions
```

Formats

JSON

Available Version

47.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
type	Connect Subscription SourceType Enum	Filters the collection by the subscription source type. Valid values are: • Collection • Dashboard • Widget	Optional	47.0

Response body for GET

Subscription Collection

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
runNow	Boolean	Indicates whether to run the subscription schedule now (`true`) or not (`false`).	Required	47.0
subscription	Subscription Input	The subscription schedule to create	Required	47.0

Response body for POST

Subscription

Subscription Resource

Retrieve, update, or delete a subscription.

Resource URL

```
/wave/subscriptions/<subscriptionId>
```

Formats

JSON

Available Version

47.0

HTTP Methods

GET DELETE PATCH

Request parameters for GET, PATCH, and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
subscription Id	Id	The ID of the subscription.	Required	47.0

Response body for GET and PATCH

Subscription

PATCH Request Body

Parameter Name	Type	Description	Required or Optional	Available Version
runNow	Boolean	Indicates whether the subscription should run now (`true`) or later (`false`).	Required	47.0
subscription	SubscriptionInput	The subscription details to update.	Required	47.0

Subscription Layout Resource

Update the grid layout for a subscription.

Resource URL

```
/wave/subscriptions<subscriptionId>/layout
```

Formats
JSON

Available Version
47.0

HTTP Methods
PATCH

Request parameters for PATCH

Parameter Name	Type	Description	Required or Optional	Available Version
subscription Id	Id	The ID of the subscription.	Required	51.0

PATCH Request Body

Parameter Name	Type	Description	Required or Optional	Available Version
gridLayout	GridLayoutInput Representation	The update to the grid layout for the subscription.	Required	47.0

Response body for PATCH
Subscription

Subscription Widgets Resource

Create a subscription for a widget.

Resource URL

```
/wave/subscriptions/<subscriptionId>/widgets
```

Formats
JSON

Available Version
47.0

HTTP Methods
POST

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
subscription Id	Id	The ID of the subscription.	Required	51.0

Request body for POST
Subscription Widget Input

Response body for POST
Subscription

Subscription Widget Resource

Update or delete a subscription for a widget.

Resource URL

```
/wave/subscriptions/<subscriptionId>/widgets/<widgetId>
```

Formats
JSON

Available Version
47.0

HTTP Methods
DELETE PATCH

Request parameters for PATCH and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
subscription Id	Id	The ID of the subscription.	Required	47.0
widgetId	Id	The ID of the widget.	Required	47.0

Request body for PATCH
Subscription Widget Input

Response body for PATCH
Subscription

Security Coverage Dataset Version Resource

Returns the security coverage (sharing inheritance) for a particular dataset version. The source objects listed are local to the org (there are no objects from other orgs or other external sources).

Resource URL

```
/wave/security/coverage/datasets/<datasetIdOrApiName>/versions/<versionId>
```

Formats

JSON

Available Version

41.0

Available in Postman

To view and test a working example of this resource, see getDatasetCoverage in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getSecurityCoverageDatasetVersion()`

HTTP Methods

GET

Response body for GET

Dataset Coverage

Security Coverage Object Resource

Returns the security coverage for a particular object. Use this API to discover whether Analytics can inherit sharing settings from an object.

Resource URL

```
/wave/security/coverage/objects/<objectApiName>
```

Formats
JSON

Available Version
41.0

HTTP Methods
GET

Response body for GET
Object Coverage

Template Resources

Manage Analytics templates, template configuration, and template release notes.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Templates List Resource	Returns a collection of Analytics templates, or creates a template.	GET POST	`/wave/templates`
Template Resource	Returns, deletes, or updates an Analytics template.	GET PATCH DELETE	`/wave/templates/ <templateIdOrApiName>`
Template Configuration Resource	Returns the configuration of an Analytics template.	GET	`/wave/templates /<templateIdOrApiName> /configuration`
Template Lint Resource	Returns the lint value of an Analytics template.	GET DELETE PUT	`/wave/templates /<templateIdOrApiName>/lint`
Template Release Notes Resource	Resource for retrieving the release notes for a single Analytics Template.	GET	`/wave/templates/<templateIdOrApiName>/ releasenotes`
Template Validate Resource	Performs an org readiness check on an Analytics template.	POST	`/wave/templates /<templateIdOrApiName>/validate`

Templates List Resource

Returns a list of Analytics templates, or creates a template.

Template Resource

Returns, deletes, or updates an Analytics template.

Template Configuration Resource

Returns the configuration of an Analytics template.

Template Lint Resource

Returns, deletes, or creates the lint value for an Analytics template.

Template Release Notes Resource

Returns the release notes for a single Analytics Template.

Template Validation Resource

Validates an Analytics template for org readiness.

Templates List Resource

Returns a list of Analytics templates, or creates a template.

Resource URL

```
/wave/templates
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getWaveTemplateCollection in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Apex — `Wave.Templates.getTemplates()`
- Aura — `<wave:sdk> listTemplates()`
- LWC — `lightning/analyticsWaveApi getWaveTemplates()`

HTTP Methods

GET POST

GET Request Parameters

Parameter Name	Type	Description	Required or Optional	Available Version
options	ConnectWave TemplateVisibility OptionsEnum	The template visibility option. Valid values are: • `CreateApp` • `ManageableOnly` • `OrgCanViewOnly` • `ViewOnly`	Optional	52.0
type	ConnectWave TemplateTypeEnum	The template type. Valid values are: • `App` • `Dashboard`	Optional	36.0

116

Parameter Name	Type	Description	Required or Optional	Available Version
		• `Data`		
		• `Embedded`		
		• `Lens`		

Response body for GET

Template Collection

Request body for POST

Template Input

Response body for POST

Template

Template Resource

Returns, deletes, or updates an Analytics template.

Resource URL

```
/wave/templates/<templateIdOrApiName>
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getWaveTemplate in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- Apex — `Wave.Templates.getTemplate()`
- Aura — `<wave:sdk> getTemplate()`
- LWC — `lightning/analyticsWaveApi getWaveTemplate()`

HTTP Methods

DELETE GET PUT

Request parameters for GET, DELETE, and PUT

Parameter Name	Type	Description	Required or Optional	Available Version
options	ConnectWave TemplateVisibility OptionsEnum	The template visibility options. Valid values are: • CreateApp • ManageableOnly • OrgCanViewOnly • ViewOnly	Optional	47.0
templateIdOr ApiName	String	The ID of template to retrieve or delete the lint value for.	Required	36.0

Response body for GET and PUT

Template

Request body for PUT

Template Input

Template Configuration Resource

Returns the configuration of an Analytics template.

Resource URL

```
/wave/templates/<templateIdOrApiName>/configuration
```

Formats

JSON

Available Components

- Apex — Wave.Templates.getTemplateConfig()
- Aura — <wave:sdk> getTemplateConfig()
- LWC — lightning/analyticsWaveApi getWaveTemplateConfig()

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getWaveTemplateConfig in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

HTTP Methods

GET

Request Parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
disableApex	Boolean	Indicates whether apex integration hooks are disabled (`true`) or not (`false`).	Optional	36.0
options	ConnectWave TemplateVisibility OptionsEnum	Filter the template configuration by specifying a visibility option. Valid values are: • `CreateApp` • `ManageableOnly` • `OrgCanViewOnly` • `ViewOnly`	Optional	57.0
templateIdOr ApiName	String	The ID of template to retrieve or delete the lint value for.	Required	36.0

Response body for GET

Template Configuration

Template Lint Resource

Returns, deletes, or creates the lint value for an Analytics template.

Resource URL

```
/wave/templates/<templateIdOrApiName>/lint
```

Formats

JSON

Available Version

58.0

HTTP Methods

DELETE GET PUT

Request parameters for GET, DELETE, and PUT

Parameter Name	Type	Description	Required or Optional	Available Version
templateIdOr ApiName	String	The ID of template to retrieve or delete the lint value for.	Required	58.0

Response body for GET and PUT

Template Lint

Template Release Notes Resource

Returns the release notes for a single Analytics Template.

Resource URL

```
/wave/templates/<templateIdOrApiName>/releasenotes
```

Formats

JSON

Available Version

37.0

Available in Postman

To view and test a working example of this resource, see getWaveTemplatesReleaseNotes in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

Available Components

- LWC — `lightning/analyticsWaveApi getWaveTemplateReleaseNotes()`

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
templateIdOr ApiName	String	The ID of template to retrieve or delete the lint value for.	Required	37.0

Response body for GET

Template Release Notes

Template Validation Resource

Validates an Analytics template for org readiness.

Resource URL

```
/wave/templates/<templateIdOrApiName>/validate
```

Formats

JSON

Available Version

58.0

Available Components

- LWC — `lightning/analyticsWaveApi validateWaveTemplate()`

HTTP Methods

POST

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
templateIdOr ApiName	String	The ID of template to run org readiness validation for.	Required	58.0

Request body for POST

Template Validate Input

Response body for POST

Template Validate

Trended Report Resources

Manage Analytics trending reports.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Trended Reports List Resource	Returns or adds to a collection of trending reports.	GET POST	`/wave/trendedreports`
Trended Report Resource	Returns, deletes, or updates a trending report.	DELETE GET PATCH	`/wave/trendedreports/<Id>`

Trended Reports List Resource

Returns a list of trending reports or creates a trending report.

Trended Reports Resource

Returns, deletes, or updates a trending report.

Trended Reports List Resource

Returns a list of trending reports or creates a trending report.

Resource URL

```
/wave/trendedreports
```

Formats
JSON

Available Version
37.0

HTTP Methods
GET POST

Response body for GET
Trended Report Collection

Request body for POST
Trended Report Input

Response body for POST

Trended Report

Trended Reports Resource

Returns, deletes, or updates a trending report.

Resource URL

/wave/trendedreports/<trendedReportId>

Formats

JSON

Available Version

37.0

HTTP Methods

DELETE GET PATCH

Request parameters for GET, PATCH, and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
trendedReport Id	Id	The ID of the trended report.	Required	37.0

Response body for GET and PATCH

Trended Report

Request body for PATCH

Trended Report Input

Watchlist Resources

Manages watchlists for Analytics dashboards.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Watchlist Resource	Return, create, and update a watchlist.	GET POST PATCH	/wave/watchlist
Watchlist Item Resource	Return, update, and delete a watchlist item.	GET PATCH DELETE	/wave/watchlist/<watchlistItemId>

Resource	Description	Supported HTTP Method	Resource URL
Watchlist Schedules Resource	Create a watchlist schedule.	POST	`/wave/watchlist/schedules`
Watchlist Schedule Resource	Update a watchlist schedule.	PATCH	`/wave/watchlist/schedules /<scheduleId>`

Watchlist Resource

Return, create, and update a watchlist.

Watchlist Item Resource

Return, update, and delete a watchlist item.

Watchlist Schedules Resource

Create a watchlist schedule.

Watchlist Schedule Resource

Update a watchlist schedule.

Watchlist Resource

Return, create, and update a watchlist.

Resource URL

```
/wave/watchlist
```

Formats
JSON

Available Version
48.0

HTTP Methods
GET PATCH POST

Response body for GET, PATCH, and POST
Watchlist

Request body for PATCH
Watchlist Input

Request body for POST
Watchlist Item Input

Watchlist Item Resource

Return, update, and delete a watchlist item.

Resource URL

```
/wave/watchlist/<watchlistItemId>
```

Formats
JSON

Available Version
48.0

HTTP Methods
DELETE GET PATCH

Request parameters for GET, PATCH, and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
watchlistItem Id	ID	The ID of the watchlist item to return.	Required	48.0

Response body for GET
Dashboard Snapshot Item Result

Request body for PATCH
Watchlist Item Input

Response body for PATCH
Watchlist

Watchlist Schedules Resource

Create a watchlist schedule.

Resource URL

```
/wave/watchlist/schedules
```

Formats
JSON

Available Version
48.0

HTTP Methods
POST

Request body for POST
Watchlist Schedule Input

Response body for POST
Watchlist

Watchlist Schedule Resource

Update a watchlist schedule.

Resource URL

```
/wave/watchlist/schedules/<scheduleId>
```

Formats

JSON

Available Version

53.0

HTTP Methods

PATCH

Request parameters for PATCH

Parameter Name	Type	Description	Required or Optional	Available Version
scheduleId	ID	The ID of the schedule to update.	Required	53.0

Request body for PATCH

Watchlist Schedule Input

Response body for PATCH

Watchlist

Xmd Resources

Manages Xmds for Analytics datasets and assets.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Xmd List Resource	Returns a collection of Xmd resources for a version of a dataset. This collection is for main, system, and user Xmd types.	GET	`/wave/datasets/<datasetID>/versions/<versionId>/xmds`
Xmd Resource	Returns the extended metadata (XMD) for a version of a dataset and updates the user XMD file.	GET PUT	`/wave/datasets/<datasetID>/versions/<versionId>/xmds/<xmdType>`
Asset Xmd Resource	Returns the extended metadata (Xmd) that is associated with an asset, like a dashboard.	GET	`/wave/assets/<assetID>/xmds/asset`

Xmd List Resource

Returns a list of Xmd resources for a version of a dataset. This list is for main, system, and user Xmd types. To view asset type Xmds, refer to the Asset Xmd API resource on page 129.

Xmd List Resource

Returns a list of Xmd resources for a version of a dataset. This list is for main, system, and user Xmd types. To view asset type Xmds, refer to the Asset Xmd API resource on page 129.

Resource URL

```
/wave/datasets/<datasetIdOrApiName>/versions/<versionID>/xmds
```

Formats

JSON

Available Version

36.0

Available in Postman

To view and test a working example of this resource, see getXmd in Postman. For information about how to authenticate your org with Postman, see the CRM Analytics Rest API Quick Start.

HTTP Methods

GET

GET Response Body

Xmd Metadata Collection

Example Response Body

```
{
  "url" :
"/services/data/v36.0/wave/datasets/0Fb4000000000FtCAI/versions/0Fc4000000001VOCAY/xmds",

  "xmds" : [ {
    "type" : "main",
    "url" :
"/services/data/v36.0/wave/datasets/0Fb4000000000FtCAI/versions/0Fc4000000001VOCAY/xmds/main"

  }, {
    "type" : "user",
```

```
    "url" :
"/services/data/v36.0/wave/datasets/0Fb4000000000FtCAI/versions/0Fc4000000001VOCAY/xmds/user"

  }, {
    "type" : "system",
    "url" :
"/services/data/v36.0/wave/datasets/0Fb4000000000FtCAI/versions/0Fc4000000001VOCAY/xmds/system"

  } ]
}
```

Xmd Resource

Returns the extended metadata (Xmd) for a version of a dataset and updates the user Xmd file.

Resource URL

```
/wave/datasets/<datasetID>/versions/<versionID>/xmds/main
```

```
/wave/datasets/<datasetID>/versions/<versionID>/xmds/system
```

```
/wave/datasets/<datasetID>/versions/<versionID>/xmds/user
```

For full details on Xmd, refer to the Analytics Extended Metadata (Xmd) Reference.

Formats

JSON

Available Version

36.0

Available Components

- LWC — `lightning/analyticsWaveApi getXmd()`
- LWC — `lightning/analyticsWaveApi updateXmd()`

HTTP Methods

GET PUT (on Xmd User type only)

GET Response Body

Xmd

PUT Request Body

Xmd Input

128

The following JSON shows a PUT request to update `measures` in the User Xmd. The PUT request cannot be used to update System or Main Xmd types.

```
{
  "measures" : [ {
    "conditionalFormatting" : { },
    "field" : "LastModifiedDate_day_epoch",
    "format" : {
      "delimiters" : { }
    },
    "label" : "LastModDate_day_epoch",
    "showInExplorer" : true
  }, {
    "conditionalFormatting" : { },
    "field" : "LastModifiedDate_sec_epoch",
    "format" : {
      "delimiters" : { }
    },
    "label" : "LastModDate_sec_epoch",
    "showInExplorer" : true
  } ]
}
```

PUT Response Body

Xmd

Asset Xmd Resource

Returns the extended metadata (Xmd) that is associated with an asset, like a dashboard.

Resource URL

```
/wave/assets/<assetID>/xmds/asset
```

For full details on Xmd, refer to the Analytics Extended Metadata (Xmd) Reference.

Formats

JSON

Available Version

42.0

HTTP Methods

GET

GET Response Body

Xmd

CRM ANALYTICS REST API REQUEST BODIES

To perform a POST, PATCH, or PUT request, pass query parameters or create a request body formatted in either XML or JSON. This chapter lists the request bodies. The query parameters are listed with each resource.

To create a JSON request body, specify the properties of the request body in JSON format.

This is an example of a Comment request body.

```
{
    "body" : "Let's look for a new solution."
}
```

If a request body is top-level, it has a root XML tag listed. To create an XML request body, nest the properties as XML tags inside the root XML tag.

This is the same Analytics request body in XML format:

```
<comment>
    <body>Let's look for a new solution.</body>
</comment>
```

Action Input
The action for a rule or macro to perform during a JSON transformation.

Advanced Property Value Input
An advanced property name and value pair.

Analytics App Setting Collection Input
The collection of Analytics app settings.

Analytics App Setting Input
A setting for an Analytics app.

Analytics Asset Collection Query Input
The query parameters used to request a collection of Analytics assets.

Analytics Asset Filter Input
A filter for the Analtyics asset collection parameters.

Annotation Input
An Analytics annotation.

Asset Reference Input
An Analytics asset reference.

Asset Revert History Input
The Analytics asset history to use for a revert request.

Auto-Install App Configuration Input
The configuration for an auto-install app.

Auto-Install Configuration Input
The configuration for a auto-install app.

Send To Email Notification Action Configuration Input

The notification action configuration for sending an email.

Slack Reference Input

The reference for a Slack entity.

Source Details Input

The abstract source details for a subscription.

Source Object Data Input

The request to retrieve data from a source object given a list of fields and advanced properties.

Subscription Daily Schedule Input

The daily schedule on which to execute an Analytics subscription.

Subscription Input

An Analytics subscription.

Subscription Schedule Input

An Analytics subscription input.

Subscription Source Input

The subscription source.

Subscription Weekly Schedule Input

The weekly schedule on which to execute an Analytics subscription.

Subscription Widget Input

An Analytics widget subscription inherits properties from the base Dashboard Widget Item Input.

Template Input

An Analytics template.

Template Options Input

The template options used to upgrade a templated Analytics app.

Template Validate Input

The input to validate an Analytics template.

Time Input

The time at which something should happen, usually in relation to an Analytics schedule.

Trended Report Input

An Analytics trended report.

Typed Asset Reference Input

A typed Analytics asset reference.

Visual Parameters Input

A visual parameters for an Analytics watchlist item.

Watchlist Input

An Analytics watchlist.

Watchlist Item Input

An Analytics watchlist item.

Watchlist Item Metadata Input

The metadata for an Analytics watchlist item.

Action Input

The action for a rule or macro to perform during a JSON transformation.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
action	ConnectActionType Enum	The action types. Valid values are: • `Add` - Add a value to an existing array in the JSON tree. • `Delete` - Delete an attribute or node from the JSON tree.	Required	43.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `Eval` - Evaluate an expression, usually for a macro definition. • `Put` - Insert an attribute or node into the JSON tree. • `Replace` - Performs a global search and replace on the entire JSON document. • `Set` - Set the value of an existing attribute in the JSON tree.		
`condition`	String	The condition to meet for the action to be run.	Optional	43.0
`description`	String	The description of the action.	Optional	43.0
`index`	Integer	The index into an array. Use with `Add` actions.	Optional	43.0
`key`	String	The key of the action. Use with `Put` actions.	Optional	43.0
`path`	String	The JSON path to perform the action on.	Required	43.0
`value`	String	The value of the action. Use with all actions expect the `Delete` action.	Optional	43.0

Advanced Property Value Input

An advanced property name and value pair.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`name`	String	The name of the advanced property.	Required	44.0
`value`	String	The value of the advanced property.	Required	44.0

Analytics App Setting Collection Input

The collection of Analytics app settings.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
settings	Map<String, Analytics App Setting Input>	The map of Analytics app settings.	Required	57.0

SEE ALSO:

Folder Settings Resource

Analytics App Setting Input

A setting for an Analytics app.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
value	String	The value of the setting.	Required	57.0

Analytics Asset Collection Query Input

The query parameters used to request a collection of Analytics assets.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
filter Placeholder Datasets	Boolean	Indicates whether to filter the assets with placeholder datasets from the collection (`true`) or not (`false`).	Optional	50.0
filters	Map<String, AnalyticsAssetFilter Input>	A map of filters to apply to the collection query.	Optional	47.0
include Subfolders	Boolean	Indicates whether to include the assets in subfolders in the collection (`true`) or not (`false`).	Optional	56.0
limit	Integer	The limit of assets to include in the collection.	Optional	47.0

Parameter Name	Type	Description	Required or Optional	Available Version
mobileHidden	Boolean	Indicates whether to exclude mobile assets from the collection (true) or not (false).	Optional	47.0
nextPageToken	String	The next page token value for the collection.	Optional	47.0
offset	Integer	The offset value for the collection.	Optional	47.0
order	ConnectWaveSort OrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • App • CreatedBy • CreatedById • CreatedDate • FolderName • LastModified • LastModifiedBy • LastModifiedById • LastModifiedDate • Location • Mru (Most Recently Used, last viewed date) • Name • Outcome • Owner • RefreshDate (for assets like datasets) • RunDate (for assets like reports) • Status • Title • Type	Optional	52.0
scope	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • Browse • CreatedByMe • InsightsApplicationsIs CansEdit • Mru (Most Recently Used) • SharedWithMe	Optional	38.0
searchTerm	String	The search term to use for assets in the collection.	Optional	47.0

Parameter Name	Type	Description	Required or Optional	Available Version
sortDirection	ConnectWaveSort OrderEnum	The ordering applied to the collection results. Valid values are: • `Ascending` • `Descending`	Optional	52.0
useAuto Suggestions	Boolean	Indicates whether to use automated suggestions to populate the collection (`true`) or not (`false`).	Optional	48.0

SEE ALSO:

Analytics Assets Collection Resource

Analytics Asset Filter Input

A filter for the Analtyics asset collection parameters.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
operator	String	The filter operation value.	Optional	47.0
value	String[]	A list of filter values.	Optional	47.0

Annotation Input

An Analytics annotation.

Properties

Property Name	Type	Description	Required or Optional	Available Version
anchor	String	The anchor of the annotation.	Optional	37.0
asset	AssetReference Input	The referenced asset of the annotation.	Required	37.0
feedElement	AssetReference Input	The referenced feed element of the annotation.	Required	37.0

Property Name	Type	Description	Required or Optional	Available Version
resolved	Boolean	Indicates whether the state of the annotation is resolved or not.	Optional	37.0

SEE ALSO:

Annotations List Resource

Annotation Resource

Asset Reference Input

An Analytics asset reference.

This wraps the BaseAssetReferenceInput.

Asset Revert History Input

The Analytics asset history to use for a revert request.

Properties

Property Name	Type	Description	Required or Optional	Available Version
historyId	String	The required source history id for this asset to revert to.	Required	42.0
historyLabel	String	The history label to tag the revert change with.	Optional	42.0

SEE ALSO:

Dashboard Bundle Resource

Dataflow Resource

Lens Bundle Resource

Auto-Install App Configuration Input

The configuration for an auto-install app.

Request parameters

Parameter Name	Type	Description	Required or Optional	Available Version
app Description	String	The description for the Analytics app.	Optional	54.0
appLabel	String	The label for the Analytics app.	Optional	54.0
appName	String	The developer name for the Analytics app.	Optional	54.0
autoShareWith LicensedUsers	Boolean	Indicates whether the Analytics app is automatically shared with users that are assigned the Analytics View Only Embedded App permission set (`true`) or not (`false`).	Required	50.0
autoShareWith Originator	Boolean	Indicates whether the Analytics app is automatically shared with the user that initiated the auto-install request (`true`) or not (`false`).	Required	50.0
dataRefresh Schedule	WeeklyScheduled ItemInput	A weekly schedule to refresh the data for the app.	Optional	59.0
deleteAppOn Construction Failure	Boolean	Indicates whether the Analytics app is deleted when a failure occurs on the `WaveAppCreate` request (`true`) or not (`false`).	Required	50.0

dynamic Options	Map<Object, Object>	The map of dynamic options used to create or update the Analytics app.
		
		• `productionType`: valid values include
		  – `ATF_3_0`
		  – `Classic`
		• `runtimeLogEntryLevel`: valid values include
		  – `Fine`
		  – `Finer`
		  – `Finest`
		  – `Info`
		  – `Severe`
		  – `Warning`
			Required	55.0

failOn Duplicate Names	Boolean	Indicates whether the Analytics app creation fails when another asset exists with the same developer name (`true`) or not (`false`).	Required	50.0

Parameter Name	Type	Description	Required or Optional	Available Version
license Attributes	LicenseAttributes Input	The license type to use when creating the app. Honored only for `WaveAppCreate` requests.	Optional	54.0
values	Map<String, Object>	A map of app template variable values used to create or update the Analytics app.	Required	50.0

Auto-Install Configuration Input

The configuration for a auto-install app.

Request parameters

Parameter Name	Type	Description	Required or Optional	Available Version
app Configuration	AutoInstallApp ConfigurationInput	The configuration used to create or update the Analytics application.	Required	50.0
parentRequest Ids	String[]	The collection of the parent auto-install request ids this request depends on.	Optional	50.0

Auto-Install Request Insert Input

The insert for an auto-install request.

Properties

AutoInstallRequestInsertInput inherits properties from the abstract BaseAutoInstallRequestInput. These base properties appear in AutoInstallRequestInsertInput alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
configuration	AutoInstall ConfigurationInput	The auto-install request configuration.	Required	50.0
folderId	String	The Analytics application folder ID.	Required	50.0
requestName	String	The name of the auto-install request.	Required	50.0
requestType	AutoInstallRequest TypeEnum	The auto-install request type. Valid values are: • `OrgCompatibilityCheck` • `StartDataflow`	Required	50.0

144

Parameter Name	Type	Description	Required or Optional	Available Version
		• `WaveAppAutoUpdate`		
		• `WaveAppCreate`		
		• `WaveAppDelete`		
		• `WaveAppUpdate`		
		• `WaveEnable`		
`templateApiId`	String	The Analytics template API name or ID.	Required	50.0

SEE ALSO:

Auto-Install Requests List Resource

Auto-Install Request Update Input

The update for an auto-install request.

Properties

AutoInstallRequestUpdateInput inherits properties from the abstract BaseAutoInstallRequestInput. These base properties appear in AutoInstallRequestUpdateInput alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
`requestLog`	String	The log of the auto-install request.	Required	50.0

SEE ALSO:

Auto-Install Request Resource

Base Asset Input

The base Analytics asset input.

Inherited by BaseDashboardInput, BaseLensInput, DataConnectorInput, DataflowInput, DatasetInput, and TemplateInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`description`	String	Short description of the asset	Required for POST; Optional in PATCH	36.0
`name`	String	The asset developer name.	Required for POST; Not allowed to edit in PATCH	36.0

Property Name	Type	Description	Required or Optional	Available Version
label	String	The asset label.	Optional in POST and PATCH	37.0

Base Asset Reference Input

The base Analytics asset.

Inherited by AssetReferenceInput, SlackReferenceInput, and TypedAssetReferenceInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
description	String	Short description of the asset	Required for POST; Optional in PATCH	36.0
name	String	The asset developer name.	Required for POST; Not allowed to edit in PATCH	36.0
label	String	The asset label.	Optional in POST and PATCH	37.0

Base Auto-Install Request Input

The base auto-install request input.

Inherited by Auto-Install Request Insert Input and Auto-Install Request Update Input.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
requestStatus	AutoInstallRequest StatusEnum	The auto-install request status. Valid values include: • AppInProgress • Cancelled • Enqueued • Failed • InProgress • New • Skipped • Success	Optional	50.0

Base Notification Action Configuration Input

The base Analytics notification action configuration.

Inherited by PostToSlackNotificationActionConfigurationInput and SendToEmailNotificationActionConfigurationInput.

Base Subscription Input

The base subscription request input.

Inherited by Subscription Input and Watchlist Schedule Input.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
actions	NotificationAction Input[]	The list of actions for the subscription	Required	53.0
active	Boolean	Indicates whether the subscription schedule is active (`true`) or not (`false`).	Required	47.0
schedule	Subscription ScheduleInput[]	The schedule for the subscription	Required	47.0
source	SubscriptionSource Input[]	The information about the source and type for the subscription	Required	522.0

Base Wave Folder Input

The base Analytics folder asset.

Inherited by Wave Folder Input and Wave Folder Template Input.

Properties

Property Name	Type	Description	Required or Optional	Available Version
assetIcon	String	The icon enumeration that best represents the new folder or application. Valid values are 1.png through 20.png.	Optional	36.0
description	String	The description of the folder or application.	Optional	36.0
label	String	The user-facing name of the folder or application.	Optional	36.0
name	String	The internal API name of the new folder or application.	Optional	36.0

Collaboration Room Notification Recipient Input

The Slack recipient of a notification.

Properties

Property Name	Type	Description	Reequired or Optional	Available Version
platformId	String	The Slack platform ID for the recipient.	Required	53.0

Collection Subscription Source Input

The collection subscription source.

Properties

CollectionSubscriptionSourceInput inherits properties from the abstract SourceDetailsInput. These base properties appear in CollectionSubscriptionSourceInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
asset	AssetReference Input	The collection asset for the subscription.	Required	52.0

Component Saved View Input

The saved view for an Analytics component.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
pageId	String	The id of the component page the saved view persists.	Required	51.0
state	Map<String, ComponentSaved ViewStateInput>	The state of the component saved view, including selections and filters applied directly to the component.	Required	51.0

Component Saved View State Input

The state for an Analytics component saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
cdpObjects	Map<String, DashboardSaved ViewDataSource StateInput>	Map of fully qualified cdpObject names to cdpObject state.	Required	55.0
datasets	Map<String, DashboardSaved ViewDataSource StateInput>	Map of fully qualified dataset names to dataset state.	Required	51.0
sObjects	Map<String, DashboardSaved ViewDataSource StateInput>	Map of fully qualified sObject names to sObject state.	Required	55.0
steps	Map<String, DashboardSaved ViewStepState Input>	Map of step ids to step state.	Required	51.0

Conditional Formatting Property Input

A property for conditional formatting of Xmd dimensions and measures.

Properties

Property Name	Type	Description	Required or Optional	Available Version
parameters	Object	The parameters for different types of formatting.	Required	42.0
reference Field	String	The reference field to base the formatting on.	Optional	42.0
type	ConnectWave Conditional FormattingType Enum	The conditional formatting type. Valid values are: • `Categories` • `Gradient` • `Multiple` • `Raw` • `Single`	Required	42.0

Property Name	Type	Description	Required or Optional	Available Version
		• Static		

Constant Input

The definition of a constant for JSON transformation rules.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
name	String	A name of the constant.	Required	43.0
value	Object	A value of the constant.	Required	43.0

Daily Schedule Input

Specify a daily schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule Input on page 176

Daily Scheduled Item Input

The daily schedule for a data refresh.

Properties

Inherits properties from Scheduled Item Input

Dashboard Input

An Analytics dashboard.

Properties

DashboardInput inherits properties from the abstract Base Asset Input. These base properties appear in DashboardInput alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
cloned Template Origin	String	If the asset was cloned from an asset that was created from a template, this is the template origin of the original asset.	Optional	56.0

Parameter Name	Type	Description	Required or Optional	Available Version
current HistoryId	String	The current saved history id to display for the dashboard.	Optional	44.0
dateVersion	Integer	The version of dates used by the dashboard. Valid values are: • 1 • 2	Optional	44.0
folder	AssetReferenceInput Representation	The folder in which this dashboard is stored.	Required for POST, optional for PATCH	44.0
historyLabel	String	A history label to tag the dashboard version being saved.	Optional	44.0
layoutAuto Sync	String	Indicates whether the dashboard has auto sync enabled for layouts(`true`) or not (`false`).	Optional	60.0
mobile Disabled	Boolean	Indicates whether the dashboard is disabled for mobile (`true`) or not (`false`).	Optional	41.0
state	DashboardState Input	The state of the dashboard.	Required for POST, optional for PATCH	36.0
type	ConnectWaveAsset TypeEnum	The asset type. The default type is Dashboard. Valid types are: • `Collection` • `Component` • `ContextualDashboard` • `Dashboard` • `DashboardSavedView` • `DashboardSnapshot` • `DataCloudReport` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset` • `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent`	Optional	44.0

Parameter Name	Type	Description	Required or Optional	Available Version
		• `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `TableauDashboard` • `TableauWorkbook` • `Template` • `Widget` • `Workflow`		
`xmd`	XmdInput	The asset XMD of the dashboard.	Optional	44.0
`visibility`	ConnectWaveAsset VisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Optional	51.0

SEE ALSO:

Dashboards List Resource

Dashboard Resource

Dashboard Saved View Data Source State Input

The data source state for an Analytics dashboard saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`dataspace`	String	The name of datasapce that the Data 360 object is assigned to.	Optional	62.0

Property Name	Type	Description	Required or Optional	Available Version
fields	String[]	A list of dataset fields.	Required	42.0
filter	DashboardSaved ViewFilterInput	The filter values.	Required	42.0
type	ConnectWave DashboardSaved ViewDatasetState Type	The type of dataset state. Valid values are: • Global	Required	42.0

Dashboard Saved View Filter Input

A filter for an Analytics dashboard saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
operator	String	The filter operator.	Required	42.0
values	Object[]	The list of filter values.	Required	42.0

Dashboard Saved View Input

A saved view for an Analytics dashboard.

Properties

Property Name	Type	Description	Required or Optional	Available Version
isInitial	Boolean	Indicates whether the view is the initial view when loading the dashboard or not.	Optional	42.0
label	String	The saved view label.	Required	42.0
pageId	String	The dashboard page id this saved view applies to.	Required	42.0
state	DashboardSaved ViewStateInput	The selections and filters to apply to the dashboard.	Required	42.0

Property Name	Type	Description	Required or Optional	Available Version
type	ConnectWave DashboardSaved ViewType	The type of saved view. • Shared • User	Optional	42.0

SEE ALSO:

Dashboards Saved Views List Resource

Dashboards Saved View Resource

Dashboard Saved View State Input

The state for an Analytics dashboard saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
cdpObjects	Map<String, DashboardSaved ViewDataSource StateInput>	A map of the fully qualified cdpObject name to cdpObject state.	Required	55.0
components	Map<String, ComponentSaved ViewInput>	A map of the fully qualified component names to component state.	Required	51.0
datasets	Map<String, DashboardSaved ViewDataSource StateInput>	A map of the fully qualified dataset names to dataset state.	Required	42.0
sObjects	Map<String, DashboardSaved ViewDataSource StateInput>	A map of the fully qualified sObject name to sObject state.	Required	55.0
steps	Map<String, DashboardSaved ViewStepState Input>	Map of the step ids to step state.	Required	42.0

Dashboard Saved View Step Metadata Input

The step metadata for an Analytics dashboard saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
groups	String[]	The list of groups step metadata.	Required	42.0

Dashboard Saved View Step State Input

The step state for an Analytics dashboard saved view.

Properties

Property Name	Type	Description	Required or Optional	Available Version
metadata	DashboardSaved ViewStepMetadata Input	The step metadata.	Required	42.0
values	Object[]	The list of step values.	Required	42.0

Dashboard Subscription Source Input

The dashboard subscription source.

Properties

DashboardSubscriptionSourceInput inherits properties from the abstract SourceDetailsInput. These base properties appear in DashboardSubscriptionSourceInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
asset	AssetReference Input	The dashboard asset for the subscription.	Required	53.0
savedView	AssetReference Input	The saved view asset for the subscription.	Required	54.0

155

Dashboard Widget Item Input

The base dashboard widget item.

Inherited by SubscriptionWidgetInput and WatchlistItemMetadataInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
destination Link	Object	The link destination of the widget subscription.	Required	47.0
state	DashboardState Input	The state of the widget subscription.	Required	47.0
title	String	The title of the widget subscription.	Required	47.0
xmd	XmdInput	The asset Xmd of the widget subscription.	Required	47.0

Data Connector Input

An Analytics data connector.

Properties

DataConnectorInput inherits properties from the abstract BaseAssetInput. These base properties appear in DataConnectorInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
connection Properties	DataConnector PropertyInput[]	The list of connection properties for the Analytics connector.	Required for POST and PATCH (can be an empty list)	39.0
connectorType	ConnectWaveData ConnectorType Enum	For a full list of the data connector types, see the enum description.	Required for POST; Not allowed to edit in PATCH	39.0
connector Handler	ConnectWaveData ConnectorHandler Enum	The type of Analytics connector. Valid values are: • `AmazonAthena` • `AmazonRedshiftOutput` • `AmazonS3` • `AmazonS3Output` • `AmazonS3Private` • `AwsRdsAuroraMySQL` • `AwsRdsAuroraPostgres`	Required for POST; Not allowed to edit in PATCH	52.0

Property Name	Type	Description	Required or Optional	Available Version
		• `AwsRdsMariaDB`		
		• `AwsRdsMySQL`		
		• `AwsRdsPostgres`		
		• `AwsRdsSqlServer`		
		• `AzureDataLakeGen2Output`		
		• `AzureSqlDatabase`		
		• `AzureSqlDatawarehouse`		
		• `Databricks (Beta)`		
		• `GoogleAnalytics4`		
		• `GoogleBigQuery`		
		• `GoogleBigQueryDirect`		
		• `GoogleBigQueryStandard SQL`		
		• `GoogleSpanner`		
		• `HerokuPostgres`		
		• `HubSpot`		
		• `MarketoV2`		
		• `NetSuite`		
		• `OracleEloqua`		
		• `Redshift`		
		• `RedshiftPrivate`		
		• `SalesforceExternal`		
		• `SalesforceMarketingCloud OAuth2`		
		• `SapHanaCloud`		
		• `SfdcLocal`		
		• `SnowflakeComputing`		
		• `SnowflakeDirect`		
		• `SnowflakeOutput`		
		• `SnowflakePrivate`		
		• `SnowflakePrivateOutput`		
		• `TableauOnline`		
		• `TableauHyperOutput`		
		• `Zendesk` .		
`folder`	AssetReference Input	The folder for the live connector.	Optional	49.0

Property Name	Type	Description	Required or Optional	Available Version
target Connector	AssetReference Input	The target connector associated with the current source connector.	Optional	50.0

SEE ALSO:

Data Connector Resource

Data Connectors List Resource

Data Connector Property Input

A property for an Analytics data connector.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the connection property.	Required	39.0
value	Object	The value of the connection property.	Required	39.0

Dataflow Input

An Analytics dataflow.

Properties

DataflowInput inherits properties from the abstract BaseAssetInput. These base properties appear alongside DataflowInput specific properties in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
definition	Object	The dataflow definition.	Required	50.0
historyLabel	String	The history label to tag the saved dataflow version.	Optional	50.0

SEE ALSO:

Dataflow Resource

Dataflow Job Input

An Analytics dataflow job.

Properties

Property Name	Type	Description	Required or Optional	Available Version
command	ConnectDataflow JobCommandEnum	Dataflow job command. Valid values are: • `Start` • `Stop`	Required	42.0
dataflowId	ID	The dataflow ID.	Optional; only required when the command is Start	42.0

SEE ALSO:

Dataflow Jobs List Resource

Dataflow Job Resource

Dataset Input

An Analytics dataset.

Properties

DatasetInput inherits properties from the abstract BaseAssetInput. These base properties appear in DatasetInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
current VersionId	ID	**DEPRECATED** The 18-character ID of the current version of this dataset.	Optional	36.0–40.0
datasetType	ConnectWave DatasetTypeEnum	The type of the dataset. Valid values are: • `Default` • `Live` • `StagedData` • `Trended`	Required	50.0
folder	ID	The 18-character ID of the folder that contains the dataset.	Optional	36.0
live Connection	LiveConnection Input	The live connection details for the dataset.	Optional	50.0
userXmd	XmdInput	The user XMD associated with this dataset.	Optional	39.0

Property Name	Type	Description	Required or Optional	Available Version
visibility	ConnectWaveAsset VisibilityType	Indicates whether the dataset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Optional	51.0

SEE ALSO:

[Datasets List Resource](#)

[Dataset Resource](#)

Dataset Version Input

A specific version of an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
isComplete	Boolean	Indicates whether the Dataset Version is complete or not.	Optional	36.0
predicate	String	The row level security predicate to be applied to this Dataset Version.	Optional	36.0
sharingSource	AssetReference Input	Entity from which sharing rules should be inherited.	Optional	40.0
totalRows	Integer	The total number of rows that make up the dataset version.	Optional	36.0

SEE ALSO:

[Dataset Version Resource](#)

Event Based Schedule Input

Specify an event-driven schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from [Schedule Input](#) on page 176

Property Name	Type	Description	Required or Optional	Available Version
triggerRule	String	The expression defining the events that trigger the schedule of the target asset. Currently accepts scheduling of Dataflows and Recipes as the target.	Required	53.0

Featured Assets Input

A feaatured assets for an Analytics app.

Properties

Property Name	Type	Description	Required or Optional	Available Version
assets	TypedAsset ReferenceInput[]	The list of default featured assets	Required	39.0

Geo Data Input

The geo data used by a map.

Properties

Property Name	Type	Description	Required or Optional	Available Version
label	String	The geodata label.	Optional	39.0
name	String	The geodata developer name.	Optional	39.0

SEE ALSO:

Charts Geodata List Resource

Charts Geodata Resource

Hourly Schedule Input

Specify a sub-daily schedule for an Analytics asset.

Properties

Inherits `notification`, and `time` from Schedule Input on page 176

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectWaveDayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Required	39.0
hourlyInterval	Integer	Number of hours in between queuing or scheduling of an asset.	Required	39.0
lastHour	Integer	Hour of day at which the schedule stops queuing the asset for processing.	Required	39.0

Json Transformation Input

The JSON request to perform transformation rules on.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
definition	RuleDefinitionInput	The definition of constants, macros, and rules to apply to the provided document parameter.	Required	43.0
document	Map<String, Object>	The arbitrary JSON document to run the rules from the definition parameter against.	Required	43.0
values	Map<String, Object>	A map of value objects used to resolve variables in the definition parameter expressions	Required	43.0

SEE ALSO:

JsonXform Transformation Resource

Lens Input

An Analytics lens.

Properties

Lens Input inherits properties from the abstract Base Asset Input. These base properties appear in Lens Input alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
`datasets`	AssetReference Input[]	The list of datasets used to create this lens.	Required for POST, optional for PATCH	43.0
`folder`	AssetReferenceInput	The folder in which this lens is stored.	Required for POST, optional for PATCH	36.0
`historylabel`	String	The history label of the lens version being saved.	Optional	46.0
`state`	LensStateInput	The state of the lens.	Required for POST, optional for PATCH	36.0
`visibility`	ConnectWaveAsset VisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Optional	51.0
`visualization Type`	ConnectWave VisualizationType Enum	The visualization type of the lens. Valid values are: • `Bullet` • `CalendarHeatMap` • `Combo` • `ComparisonTable` • `Flatgauge` • `Gauge` • `HeatMap` • `HorizontalBar` • `HorizontalDot` • `Line` • `Matrix` • `ParallelCoordinates` • `Pie` • `PivotTable` • `Polargauge` • `Pyramid` • `Rating`	Required for POST, optional for PATCH	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• `Scatter` • `StackWaterfall` • `StackedHorizontalBar` • `StackedVerticalBar` • `Time` • `TimeBar` • `TimeCombo` • `ValuesTable` • `VerticalBar` • `VerticalDot` • `Waterfall`		
`xmd`	XmdInput	The asset XMD of the lens.	Optional	43.0

SEE ALSO:

Lenses List Resource

Lens Resource

Lens State Input

The state for an Analytics lens.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`options`	LensVisualization OptionsInput	The configuration options for different lens visualizations.	Optional	36.0
`query`	QueryInput	The SAQL query to be used to create this lens.	If using any visualization type other than comparison table, you are required to specify this property.	36.0

QueryInput

Property Name	Type	Description	Required or Optional	Available Version
aggregateFilters	Object	The compact form aggregate filters for the query.	Optional	48.0
columnGroups	Object	The column groups for the query.	Optional	56.0
columnTotals	Object	The column totals for the query.	Optional	56.0
limit	Object	The query limit.	Optional	48.0
orders	Object	The query orders.	Optional	48.0
query	String	The SAQL query.	Optional for PATCH, required for POST	36.0
rowTotals	Object	The row totals for the query.	Optional	56.0
sourceFilters	Map<String,CompactForm FilterInput>	The map of compact form source filters for the query.	Optional	48.0
sources	CompactFormSource Input[]	The list of compact form sources for the query.	Optional	48.0
timezone	String	The timezone for the query request.	Optional	43.0
version	Double	Version to which this query language construct belongs.	Optional for PATCH, required for POST	36.0

CompactFormFilterInput

Property Name	Type	Description	Required or Optional	Available Version
booleanFilterLogic	String	The boolean filter logic.	Optional	49.0
filters	Object	The compact form filters.	Required	48.0

CompactFormSourceInput

H

Property Name	Type	Description	Required or Optional	Available Version
cogroupType	ConnectWaveCompact FormCogroupTypeEnum	The compact form source cogroup type. Valid values are: • Anti • Inner • Left • Outer • Right • Semi	Required	48.0
columns	CompactFormColumn Input[]	The list of compact form source columns.	Required	48.0
groups	Object	The compact form source groups.	Required	48.0
filters	Object	The compact form source column filters.	Required	48.0
name	String	The compact form source name.	Required	52.0

CompactFormColumnInput

Property Name	Type	Description	Required or Optional	Available Version
field	Object	The compact form column field	Required	48.0
formula	String	The formula for the compact form column.	Required	48.0
name	String	The name of the compact form column.	Required	48.0

LensVisualizationOptionsInput

Property Name	Type	Description	Required or Optional	Available Version
columnTotals	Boolean	Indicates whether to display column totals in the table (`true`) or not (`false`).	Optional	55.0
fit	Boolean	Indicates whether to scale the position and size of data shape so that it's proportional to its percentage of its category (`true`) or not (`false`).	Optional	36.0
hideHeaderColumn	Boolean	Indicates whether to display header column (`true`) or not (`false`).	Optional	36.0
legend	Boolean	Indicates whether to show legend (`true`) or not (`false`).	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
legendHideHeader	Boolean	Indicates whether to hide the legend (`true`) or not (`false`).	Optional	36.0
legendWidth	Integer	The width of the legend.	Optional	36.0
maxColumnWidth	Integer	The maximum width of the header column.	Optional	36.0
minColumnWidth	Integer	The minimum width of the header column.	Optional	36.0
miniBars	Integer	The width of the miniBars, if present.	Optional	36.0
multiMetrics	Boolean	Indicates whether multiple measures are projected on the same chart, side by side (`true`), or if every measure is in its own chart (`false`).	Optional	36.0
normalize	Boolean	Indicates whether to scale the position and size of data shape so that it's proportional to its percentage of its category (`true`) or not (`false`).	Optional	36.0
rowTotals	Boolean	Indicates whether to display row totals in the table (`true`) or not (`false`).	Optional	55.0
splitAxis	Boolean	Indicates whether each measure is projected on one axis or if all measures share an axis (`true`) or not (`false`).	Optional	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale (`true`) or not (`false`).	Optional	36.0
subtotals	Boolean	Indicates whether to display subtotals in the table (`true`) or not (`false`).	Optional	48.0
totals	Boolean	Indicates whether to display totals in the table (`true`) or not (`false`).	Optional	36.0
trellis	Boolean	Indicates whether the last group is treated as a trellis dimension (`true`) or not (`false`). Every distinct value of the dimension is a chart.	Optional	36.0

License Attributes Input

The Analytics license attributes.

Properties

Property Name	Type	Description	Required and Optional	Available Version
type	ConnectAnalytics LicenseTypeEnum	The Analytics license type. Valid values are: • `Cdp` (Data 360)	Small, 51.0	51.0

Property Name	Type	Description	Required and Optional	Available Version
		• `DataPipelineQuery` (Data Pipeline Query)		
		• `EinsteinAnalytics` (CRM Analytics)		
		• `IntelligentApps` (Intelligent Apps)		
		• `Sonic` (Salesforce Data Pipeline)		

Live Connection Input

The connection details of an Analytics live dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`connection Name`	String	The developer name of the live connection.	Required	50.0
`sourceObject Name`	String	The source object name for the live connection.	Required	50.0

Macro Input

A macro to use for a JSON transformation rule.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
`definitions`	MacroDefinition[]	A list of macro definitions.	Required	43.0
`namespace`	String	The namespace of the macro.	Required	43.0

Map Bounding Box Input

A bounding box of a map..

Properties

Property Name	Type	Description	Required or Optional	Available Version
bottom	Double	The bottom boundary of the geo map	Required	39.0
left	Double	The left boundary of the geo map	Required	39.0
right	Double	The right boundary of the geo map	Required	39.0
top	Double	The top boundary of the geo map	Required	39.0

Map Input

A map for an Eclair chart.

Properties

Property Name	Type	Description	Required or Optional	Available Version
boundingBox	MapBoundingBox Input	The map bounding box.	Optional	39.0
geoData	AssetReference Input	The parent geodata asset.	Required	39.0
label	String	The map label.	Required	39.0
name	String	The map developer name.	Optional	39.0
projection	ConnectEclairMap ProjectionType Enum	The map projection. Valid values are: • `AlbersUSA` • `Equirectangular` • `Mercator`	Required	39.0

SEE ALSO:

Charts Maps List Resource

Charts Maps Resource

Minutely Schedule Input

Specify a sub-hourly schedule for an Analytics asset.

Properties

Inherits `notification`, and `time` from Schedule Input on page 176

169

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Required	45.0
lastHour	Integer	Hour of day at which the schedule stops queuing the asset for processing.	Required	45.0
minutely Interval	Integer	Number of minutes in between queuing or scheduling of an asset.	Required	45.0

Monthly Relative Schedule Input

Specify a monthly schedule for an Analytics asset where the day are relative to their location in the week.

Properties

Inherits `notification`, and `time` from Schedule Input on page 176

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Required	39.0
weekInMonth	ConnectWave RelativeWeekEnum	Week within a month. Values values are: • `First` • `Second` • `Third` • `Fourth`	Required	39.0

Property Name	Type	Description	Required or Optional	Available Version
		• Last		

Monthly Specific Schedule Input

Specify a monthly schedule for an Analytics asset where the days are fixed by numerical date.

Properties

Inherits `notification`, and `time` from Schedule Input on page 176

Property Name	Type	Description	Required or Optional	Available Version
daysOfMonth	Integer[]	Days of the month on which the schedule runs (1-31). Months lacking specific days will skip the job.	Required	39.0

Notification Action Input

A notification action for an Analytics subscription.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
configuration	BaseNotification ActionConfiguration Input	The action configuration. Valid values are: • PostToSlackNotificationAction ConfigurationInput • SendToEmailNotificationAction ConfigurationInput	Small, 53.0	53.0
type	NotificationAction Type	The notification action type. Valid values are: • PostToSlack • SendEmail	Small, 53.0	53.0

Post To Slack Notification Action Configuration Input

The notification action configuration for posting to Slack.

Properties

PostToSlackNotificationActionConfigurationInput inherits properties from the abstract BaseNotificationActionConfigurationInput. These base properties appear in PostToSlackNotificationActionConfigurationInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
exclude Snapshot	Boolean	Indicates whether a snapshot is excluded in the dashboard subscription (`true`) or not (`false`).	Optional	54.0
recipients	CollaborationRoom Notification RecipientInput[]	The collection of notification recipients.	Required	53.0
team	SlackReferenceInput	The team of notification recipients.	Required	53.0

Replicated Dataset Input

An Analytics replicated dataset, also know as a connected object.

Properties

Property Name	Type	Description	Required or Optional	Available Version
advanced Properties	AdvancedProperty ValueInput	The user-specified advanced properties associated with this connected object.	Optional	44.0
connection Mode	ConnectWave ConnectionMode Enum	The connection mode for data sync. For faster extracts, use `Incremental` or `PeriodicFull`. Valid values are: • `Full` • `Incremental` • `PeriodicFull`	Optional	46.0
connectorId	String	The id of the Analytics connector used to sync this connected object.	Required	39.0
parquetOutput Enabled	Boolean	Indicates whether to provide output in parquet format (`true`) or not (`false`).	Optional	60.0
fullRefresh	Boolean	Indicates whether to perform a one-time full refresh during the next run (`true`) as opposed to an incremental refresh (`false`).	Optional	41.0

Property Name	Type	Description	Required or Optional	Available Version
passThrough Filter	String	The pass through filter for the connected object	Optional	38.0
sourceObject Name	String	The name of the source object to be synced.	Required	37.0

SEE ALSO:

Replicated Datasets List Resource

Replicated Dataset Resource

Replicated Field Collection Input

A collection of fields for an Analytics replicated dataset, also known as a connected object.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	ReplicatedField Input[]	The list of field configurations.	Required	37.0

SEE ALSO:

Replicated Dataset Fields Resource

Replicated Field Input

A field for an Analytics replicated dataset, also known as a connected object.

Properties

Property Name	Type	Description	Required or Optional	Available Version
defaultValue	Object	An optional default value.	Optional	37.0
description	String	A long-form description of the field.	Optional	37.0
fieldType	ConnectWaveField TypeEnum	The type of the field. Valid values are: • `Date` • `Numeric` • `Text` 📝 Note: When Analytics custom time zone support is enabled, use	Required if the field is new.	37.0

Property Name	Type	Description	Required or Optional	Available Version
		`DateTime` or `DateOnly` instead of `Date`.		
format	String	For dates, the format string is used to parse the input value; for other field types, the format string is used for display.	Optional	37.0
label	String	A user-friendly label for the field.	Optional	37.0
multiValue	Boolean	Indicates whether the field is a multivalue field (`true`) or not (`false`). The default is `false`.	Optional	37.0
multiValue Separator	String	The value separator, used only if the field is a multivalue field.	Optional	37.0
name	String	The field developer name.	Required	37.0
precision	Integer	The numeric precision or text length depending on field type.	Optional	37.0
scale	Integer	The numeric scale.	Optional	37.0
skipped	Boolean	Indicates whether the field should be skipped on replication (`true`) or not (`false`). The default is `false`. If set to `true`, this field is ignored when syncing. The field metadata isn't deleted, however, so the field can be 'unskipped' and made active later.	Required	37.0
systemField	Boolean	Indicates whether the field is a system field (`true`) or not (`false`). The default is false. System fields aren't queryable.	Optional	37.0
uniqueId	Boolean	Indicates whether the field is a unique ID for the data set (`true`) or not (`false`). The default is `false`. There can only be one unique ID for any dataset.	Optional	37.0

Restore Dataset Version Input

A specific version to restore an Analytics dataset to.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceVersion	AssetReference Input	The source version to restore.	Required	41.0

SEE ALSO:

Dataset Versions List Resource

Dataset Version Resource

Rule Definition Input

A rule definition to use for a JSON transformation.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
constants	ConstantInput[]	A list of rule constants.	Optional	43.0
macros	MacroInput[]	A list of rule macros.	Optional	43.0
rules	RuleInput[]	A list of rules.	Required	43.0

Rule Input

A rule for a JSON Transformation rule definition.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
actions	ActionInput[]	A list of actions for the rule.	Required	43.0
condition	String	The condition to meet for the action to be run.	Optional	43.0
name	String	The name of the rule.	Required	43.0

SAQL Query Input

An Analytics query written in SAQL or SQL.

Properties

Property Name	Type	Description	Required or Optional	Available Version
license Attributes	Licenses Attributes Input	The Analytics license type and other properties.	Optional	53.0
name	String	The query name.	Optional	41.0
query	String	The query string.	Required	40.0
queryLanguage	AnalyticsQuery LanguageEnum	The language in which the query in written. The default value is SAQL. Valid values are: • SAQL • SQL	Required if the query is SQL.	48.0
timezone	String	The timezone for the query. The org must have timezone enabled for use in queries.	Optional	43.0

SEE ALSO:

Query Resource

Query CRM Analytics Data with the Query API

Schedule Details Input

The base Analytics schedule details.

Inherited by SubscriptionDailyScheduleInput and SubscriptionWeeklyScheduleInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
time	Integer	The time at which this schedule is run.	Required	47.0

Schedule Input

A schedule on which to execute some type of Analytics asset.

Inherited by DailyScheduleInput, EventBasedScheduleInput, HourlyScheduleInput, MinutelyScheduleInput, MonthlyRelativeScheduleInput, MonthlySpecificScheduleInput, and WeeklyScheduleInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
notification Level	ConnectEmail NotificationLevel Enum	Valid types of email notification levels you can set. Valid values are: • `Always` • `Failures` • `Never` • `Warnings`	Small, 42.0	42.0
time	Time Input	Hour,minute, and timezone in which this schedule is run	Required	39.0

The following JSON shows how to create an hourly schedule for an asset.

```
{
    "daysOfWeek" : [
        "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"
    ],
    "lastHour" : 20,
    "hourlyInterval" : 3,
    "time" : {
        "hour" : 2,
        "minute" : 30,
        "timeZone" : "America/Los_Angeles"
    },
    "frequency" : "hourly"
}
```

SEE ALSO:

Schedule Resource

Scheduled Item Input

The base schedule for a data refresh.

Inherited by DailyScheduledItemInput and WeeklyScheduledItemInput

Properties

Property Name	Type	Description	Required or Optional	Available Version
frequency	ConnectSchedule FrequencyType Enum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day)	Required	57.0

Property Name	Type	Description	Required or Optional	Available Version
		• `Monthly` (Run on one or more specific numeric days per month)		
		• `MonthlyRelative` (Run on one or more relative days for month)		
		• `Weekly` (Run on one or more days each week)		
`nextScheduled Run`	Date	The next scheduled time for this schedule	Required	57.0
`time`	ScheduledTime Input	The scheduled run time.	Required	57.0

Scheduled Time Input

The base schedule for a data refresh.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`hour`	Integer	The hour at which this schedule is run (0-23).	Required	57.0
`minute`	Integer	The minute at which this schedule is run (0-59).	Required	57.0
`timeZone`	ScheduledTime ZoneInput	The time zone of the hour at which the schedule is run.	Required	57.0

Scheduled Timezone Input

The information for a schedule time zone.

Properties

Property Name	Type	Description	Required or Optional	Available Version
`gmtOffset`	Double	The signed offset, in hours, from GMT.	Required	57.0
`name`	String	The display name of this time zone.	Required	57.0
`zoneId`	String	The id of this time zone.	Required	57.0

Send To Email Notification Action Configuration Input

The notification action configuration for sending an email.

Properties

SendToEmailNotificationActionConfigurationInput inherits properties from the abstract BaseNotificationActionConfigurationInput.

Slack Reference Input

The reference for a Slack entity.

Properties

Property Name	Type	Description	Required or Optional	Available Version
platformId	String	The Slack platform ID.	Required	53.0

Source Details Input

The abstract source details for a subscription.

Inherited by CollectionSubscriptionSourceDetailsInput, DashboardSubscriptionSourceDetailsInput, and WidgetSubscriptionSourceDetailsInput.

Source Object Data Input

The request to retrieve data from a source object given a list of fields and advanced properties.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
sourceObject Fields	Object[]	A list of fields used to filter the results returned in the response.	Required	40.0
advanced Properties	Object(Advanced PropertyValueInput on page 138)	A list of user-specified advanced properties associated with this source object.	Optional	40.0

SEE ALSO:

Data Connector Source Object Data Preview Resource

Subscription Daily Schedule Input

The daily schedule on which to execute an Analytics subscription.

Properties

SubscriptionDailyScheduleInput inherits properties from the abstract ScheduleDetailsInput.

Subscription Input

An Analytics subscription.

Properties

SubscriptionInput inherits properties from the abstract BaseSubscriptionInput. These base properties appear in SubscriptionInput alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
schedule	Subscription ScheduleInput	The subscription schedule.	Required	47.0
source	SubscriptionSource Input	The subscription source including type, label, and record ID.	Small, 52.0	52.0

SEE ALSO:

Subscriptions List Resource

Subscription Resource

Subscription Schedule Input

An Analytics subscription input.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
details	ScheduleDetails Input	The schedule details, including time and frequency details. Valid values are: • SubscriptionDailyScheduleInput • SubscriptionWeeklyScheduleInput	Required	47.0
frequency	ConnectWave ScheduleFrequency TypeEnum	The frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day)	Required	47.0

180

Parameter Name	Type	Description	Required or Optional	Available Version
		• `Monthly` (Run on one or more specific numeric days per month)		
		• `MonthlyRelative` (Run on one or more relative days for month)		
		• `None` (Not scheduled to run)		
		• `Weekly` (Run on one or more days each week)		

Subscription Source Input

The subscription source.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
`details`	SourceDetailsInput	The source details. Valid values are: • CollectionSubscriptionSourceInput • DashboardSubscriptionSourceInput • WidgetSubscriptionSourceInput	Required	52.0
`type`	Connect SubscriptionSource TypeEnum	The source type for the subscription. Valid values are: • `Collection` • `Dashboard` • `Widget`	Required	52.0

Subscription Weekly Schedule Input

The weekly schedule on which to execute an Analytics subscription.

Properties

SubscriptionWeeklyScheduleInput inherits properties from the abstract ScheduleDetailsInput. These base properties appear in SubscriptionWeeklyScheduleInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	Subscription ScheduleDayOf Week	The days of the week for schedule frequency. Valid values are: • Fri • Mon • Sat • Sun • Thu • Tue • Wed	Small, 47.0	47.0

Subscription Widget Input

An Analytics widget subscription inherits properties from the base Dashboard Widget Item Input.

SEE ALSO:

Subscription Widgets Resource

Subscription Widget Resource

Template Input

An Analytics template.

Properties

TemplateInput inherits properties from the abstract BaseAssetInput. These base properties appear in TemplateInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
assetVersion	Double	The asset version to set for this template. Only used on template update.	Optional	54.0
dataTransform Ids	String[]	A list of data transform IDs to include in the template. Data transforms bring data from Data 360 into Analytics.	Optional	59.0
dataflow	AssetReference Input	The dataflow associated with this app.	Optional	39.0
folderSource	AssetReference Input	The folder that this template is created from.	Required	39.0

Property Name	Type	Description	Required or Optional	Available Version
recipeIds	String[]	A list of recipe IDs to include in the template. Recipes with datasets are automatically included using the dataset to folder connection. This list is for recipes without datasets.	Optional	55.0

SEE ALSO:

Templates List Resource

Template Resource

Template Options Input

The template options used to upgrade a templated Analytics app.

Properties

Property Name	Type	Description	Required or Optional	Available Version
appAction	ConnectWave TemplateAppAction Enum	The upgrade action to perform on the templated application. Valid values are: • `AutoUpgrade` • `Create` • `DecoupleApp` • `Overlay` • `RefreshData` • `Upgrade`	Required	37.0
disableApex	Boolean	Indicates whether any Apex integration hooks should be disabled (`true`) or not (`false`).	Optional	37.0

dynamic Options	Map<String, Object>	A map of dynamic and beta options for app creation or upgrade. Valid values are:
		• `productionType`: valid values include
		  – `ATF_3_0`
		  – `Classic`
		• `runtimeLogEntryLevel`: valid values include
		  – `Fine`
		  – `Finer`
			Optional	54.0

Property Name	Type	Description	Required or Optional	Available Version
		– Finest		
		– Info		
		– Severe		
		– Warning		

Template Validate Input

The input to validate an Analytics template.

Properties

Property Name	Type	Description	Required or Optional	Available Version
values	Map<String, Object>	A map of runtime template values to use during validation. These values override any default values.	Optional	58.0

SEE ALSO:

[Template Validate Resource](#)

Time Input

The time at which something should happen, usually in relation to an Analytics schedule.

Properties

Property Name	Type	Description	Required or Optional	Available Version
hour	Integer	First hour in the day on which the schedule is run.	Required	39.0
minute	Integer	Minute offset from hour on which the schedule is first run.	Required	39.0
timeZone	String	The time zone the schedule is stored in, which by default, is the user's time zone.	Required	39.0

Trended Report Input

An Analytics trended report.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
apexHooks Class	AssetReference Input	The reference to the apex class to execute after successful trending.	Optional	38.0
dashboard Label	String	The label for the Analytics dashboard that will be created.	Required	37.0
datasetLabel	String	The reference to the dataset used for the report.	Required	37.0
report	AssetReference Input	The reference to the report being trended.	Required	37.0
schedule	ScheduleInput	The schedule on which the trending report should be run. Valid values are: • DailyScheduleInput • EventBasedScheduleInput • HourlyScheduleInput • MinutelyScheduleInput • MonthlyRelativeScheduleInput • MonthlySpecificScheduleInput • WeeklyScheduleInput	Optional	39.0

SEE ALSO:

Trended Reports List Resource

Trended Report Resource

Typed Asset Reference Input

A typed Analytics asset reference.

Properties

Property Name	Type	Description	Required or Optional	Available Version
type	ConnectWaveAsset TypeEnum	The asset type. Valid values are: • Collection • Component	Required	40.0

Property Name	Type	Description	Required or Optional	Available Version
		• `ContextualDashboard`		
		• `Dashboard`		
		• `DashboardSavedView`		
		• `DashboardSnapshot`		
		• `DataCloudReport`		
		• `DataConnector`		
		• `Dataflow`		
		• `DataflowJob`		
		• `DataflowJobNode`		
		• `Dataset`		
		• `DatasetShard`		
		• `DatasetVersion`		
		• `ExternalData`		
		• `Folder`		
		• `Lens`		
		• `LightningComponent`		
		• `LightningDashboard`		
		• `LightningDashboardFolder`		
		• `Recipe`		
		• `RecipeConfiguration`		
		• `RecipeModel`		
		• `ReplicatedDataset`		
		• `Report`		
		• `ReportFolder`		
		• `Story`		
		• `TableauDashboard`		
		• `TableauWorkbook`		
		• `Template`		
		• `Widget`		
		• `Workflow`		

Visual Parameters Input

A visual parameters for an Analytics watchlist item.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
should Increase	Boolean	Indicates whether the metric being watched should increase in value (`true`) or not (`false`).	Required	49.0

Watchlist Input

An Analytics watchlist.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
watchlist Items	WatchlistCollection PinInput[]	The list of watchlist items.	Required	49.0

SEE ALSO:

Watchlist Resource

Watchlist Item Input

An Analytics watchlist item.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
scheduleId	String	The schedule id of the watchlist item.	Required	48.0
watchlist WidgetItem	WatchlistItem MetadataInput	The metadata of the watchlist item.	Required	48.0

SEE ALSO:

Watchlist Resource

Watchlist Item Resource

Watchlist Item Metadata Input

The metadata for an Analytics watchlist item.

Properties

WatchlistItemMetadataInput inherits properties from the abstract DashboardWidgetItemInput. These base properties appear in WatchlistItemMetadataInput alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Required or Optional	Available Version
driftState	Connect Dashboard SnapshotDrift State	The drift state of the watchlist item. Valid values are: • `Clean` (Indicates the snapshot is clean) • `Dirty` (Indicates the snapshot has drifted and is dirty) • `IgnoreQueryDrift` (Indicates the snapshot is dirty, but user has ignored it)	Required	49.0
id	String	The id of the watchlist item.	Required	49.0
parameters	Visual Parameters Input	The visualization parameters of the watchlist item.	Required	49.0
sortOrder	Integer	The sort order of the watchlist item.	Required	49.0
source DashboardId	String	The source dashboard id of the watchlist item.	Required	49.0

Watchlist Schedule Input

An Analytics watchlist schedule.

Properties

WatchlistScheduleInput inherits properties from the abstract BaseSubscriptionInput.

SEE ALSO:

Watchlist Schedules Resource

Watchlist Schedule Resource

Wave Collection Input

A collection of Analytics resources.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
color	String	The configured color for the collection, represented as a hexadecimal value.	Optional	52.0
description	String	The description for the collection.	Optional	52.0
label	String	The label of the collection.	Required	52.0
pins	WaveCollectionPin Input[]	The list of pinning rules for the collection.	Optional	52.0
shares	WaveFolderShare Input[]	The list of sharing rules for the collection.	Optional	52.0
collection Type	CollectionType Enum	The collection type. Valid values are: Static	Required	52.0

SEE ALSO:

Collection List Resource

Collections Resource

Wave Collection Item Bulk Add Input

Bulk items to add to a collection of Analytics resources.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
items	WaveCollectionItem Input[]	The list of items to add to the collection	Required	63.0

SEE ALSO:

Collections Bulk Items Resource

Wave Collection Item Input

An item in a collection of Analytics resources.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
assetType	CollectionItemAssetTypeEnum	The collection item asset type. Valid values are: • `Component` • `Dashboard` • `DashboardSavedView` • `Lens` • `LightningDashboard` • `Report` • `TableauDashboard` • `TableauWorkbook`	Required	52.0
id	ID	The ID of the collection item.	Required	52.0
itemId	ID	The ID of the item.	Required	52.0

SEE ALSO:

Collection Items List Resource

Wave Collection Item List Input

A list of items in a collection of Analytics resources.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
items	WaveCollectionItem Input[]	The list of collection items.	Small, 52.0	52.0

SEE ALSO:

Collection Items List Resource

Wave Collection Pin Input

The pinning rules for an Analytics collection.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
`pinnedFor`	ID	The id of a group, a role, or a user the pinning rule is defined for.	Required	52.0
`pinnedForType`	ConnectWaveShare TypeEnum	The share type for the pinning rule. Valid values are: • `AllCspUsers` • `AllPrmUsers` • `CustomerPortalUser` • `Group` • `Organization` • `PartnerUser` • `PortalRole` • `PortalRoleAnd Subordinates` • `Role` • `RoleAndSubordinates` • `RoleAndSubordinates Internal` • `User`	Required	52.0
`type`	CollectionPinType Enum	The type of pinning. Valid values are: • `All` • `Desktop` • `Mobile` • `None`	Optional	52.0

Wave Folder Input

An Analytics folder. This implements BaseWaveFolderInput.

Properties

Inherits from Base Wave Folder Input on page 147

Property Name	Type	Description	Required or Optional	Available Version
application Status	ConnectWave ApplicationStatus Enum	The creation status of application. Valid values are: • `CancelledStatus` • `CompletedStatus` • `DataflowInProgressStatus` • `ExtensionAssetTypeIn ProgressStatus` • `FailedStatus` • `InProgressStatus` • `NewStatus`	Required	36.0
attachedFiles	AssetReference Input[]	The list of attached file IDs.	Required	39.0
canBeShared Externally	Boolean	Indicates whether the app is shared in Communities (`true`) or not (`false`).	Required	39.0
defaultAsset	AssetReferenceInput	The default dashboard or lens presented for this app during app runtime.	Required	37.0
featured Assets	Map<String, FeaturedAssets Input>	The map of featured assets for this application to be used in the UI.	Required	39.0
isPinned	Boolean	Indicates whether the app is a pinned app (`true`) or not (`false`).	Required	39.0
shares	WaveFolderShare Input[]	The folder shares list.	Required	36.0

SEE ALSO:

Folders List Resource

Folder Resource

Wave Folder Schedule Input

An Analytics folder schedule.

Properties

Property Name	Type	Description	Required or Optional	Available Version
dataRefreshSchedule	ScheduledItem Input	The reoccurring schedule for performing data refresh for an Analytics app.	Required	57.0

SEE ALSO:

Folder Schedule Resource

Wave Folder Share Input

An Analytics folder sharing rule.

Properties

Property Name	Type	Description	Required or Optional	Available Version
accessType	ConnectWave AccessTypeEnum	The access type. Valid values are: • Edit • Manage • View	Required	36.0
shareType	ConnectWaveShare TypeEnum	The share type. Valid values are: • AllCspUsers • AllPrmUsers • CustomerPortalUser • Group • Organization • PartnerUser • PortalRole • PortalRoleAnd Subordinates • Role • RoleAndSubordinates • RoleAndSubordinates Internal • User	Required	36.0
sharedWithId	ID	The ID of the entity that the folder is shared with.	Required	36.0

Wave Folder Template Input

A templated Analytics folder. This implements BaseWaveFolderInput.

Properties

Inherits from Base Wave Folder Input on page 147

Property Name	Type	Description	Required or Optional	Available Version
template Options	TemplateOptions Input	The template directive options for determining the final actions when upgraded a Analytics app from a template.	Required	37.0
template SourceId	String	The template source ID or API name used to create the Analytics app.	Required	36.0
template Values	String	The runtime template values to use when creating a Analytics app, as specified by the template.	Required	36.0

SEE ALSO:

Weekly Schedule Input

Specify a weekly schedule for an Analytics asset.

Properties

Inherits `notification`, and `time` from Schedule Input on page 176

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Required	39.0

Weekly Scheduled Item Input

The weekly schedule for a data refresh.

Properties

Inherits properties from Scheduled Item Input

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectJsonXform DayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Required	57.0

Widget Subscription Source Input

The widget subscription source.

Properties

WidgetSubscriptionSourceInput inherits properties from the abstract SourceDetailsInput.

Base Xmd Dimension Custom Action Input

The base custon action for an Xmd dimension.

Inherited by XmdDimensionCustomActionInput and XmdDerivedDimensionCustomActionInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
icon	String	The icon for the custom action.	Required	36.0
method	String	The method for the custom action.	Required	36.0
target	String	The target for the custom action.	Required	36.0
tooltip	String	The tooltip for the custom action.	Required	36.0
url	String	The URL for the custom action.	Required	36.0

Base Xmd Dimension Input

The base Xmd dimension for dimensions and derived dimensions.

Inherited by XmdDimensionInput and XmdDerivedDimensionInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
conditional Formatting	Map<String, Conditional FormattingProperty Input>	The conditional formatting for a dimension	Optional	42.0
customActions Enabled	Boolean	Indicates whether custom actions are enabled for the dimension (`true`) or not (`false`).	Optional	36.0
dateFormat	String	The date format to use when the dimension is a date.	Required for date dimensions	36.0
defaultAction	String	The default action for the dimension.	Required	50.0
description	String	The description for the dimension.	Optional	36.0
field	String	The field name for the dimension. This is used in queries.	Required	36.0
fully QualifiedName	String	The fully qualified name for the dimension.	Required	36.0
imageTemplate	String	The image template for the dimension.	Optional	36.0
label	String	The label for the dimension.	Required	36.0
linkTemplate	String	The link template for the dimension.	Optional	36.0
linkTemplate Enabled	String	Indicates whether link templates are enabled for the dimension (`true`) or not (`false`).	Optional	36.0
linkTooltip	String	The tooltip to display for links.	Optional	36.0
recordDisplay Fields	String[]	An ordered list of dimensions and measures. This is the default order to display the fields in the UI.	Required	36.0
recordIdField	String	The record ID for the dimension.	Required	36.0
record Organization IdField	String	The record organization ID for the dimension.	Required	36.0

Property Name	Type	Description	Required or Optional	Available Version
salesforce Actions Enabled	String	Indicates whether Salesforce actions are enabled for the dimension (`true`) or not (`false`).	Required	36.0
showIn Explorer	String	Indicates whether this dimension is visible in the Explorer (`true`) or not (`false`).	Required	36.0

Base Xmd Measure Input

The base Xmd measure for measures and derived measures.

Inherited by XmdMeasureInput and XmdDerivedMeasureInput.

Properties

Property Name	Type	Description	Required or Optional	Available Version
conditional Formatting	Map<String, Conditional FormattingProperty Input	The conditional formatting for a measure	Optional	42.0
currency Settings	XmdCurrency SettingsInput	The currency settings for the currencies supported for a currency field.	Small, 57.0	57.0
dateFormat	String	The date format to use when the measure is a date.	Required for date measures	36.0
description	String	The description for the measure.	Optional	36.0
field	String	The field name for the measure. This is used in queries.	Required	36.0
fully QualifiedName	String	The fully qualified name for the measure.	Required	36.0
label	String	The label for the measure.	Required	36.0
origin	String	The origin for the measure.	Required	36.0
showIn Explorer	String	Indicates whether this measure is visible in the Explorer (`true`) or not (`false`).	Required	36.0

Xmd Currency Settings Input

The extended metadata (Xmd) for currency settings of a currency field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
currencies	Map<String, XmdMeasure Input>	A map for the supported currencies.	Required	57.0

Xmd Dataset Input

The extended metadata (Xmd) for an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
connector	String	The connector source for the dataset.	Required	36.0
description	String	The description of the dataset.	Optional	36.0
fully QualifiedName	String	The fully qualified name of the dataset version.	Required	36.0
origin	String	The origin representing where this dataset version comes from.	Optional	36.0

Xmd Date Field Input

The extended metadata (Xmd) for the formatting of a date field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
day	String	The day of the month.	Required	36.0
epochDay	String	The number of days that have elapsed since January 1, 1970 (midnight UTC).	Optional	36.0
epochSecond	String	The number of seconds that have elapsed since January 1, 1970 (midnight UTC). Corresponds to _sec_epoch in datasets.	Optional	36.0
fiscalMonth	String	The month number in fiscal year. Corresponds to _Month_Fiscal in datasets.	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
fiscalQuarter	String	The quarter number in fiscal year. Corresponds to _Quarter_Fiscal in datasets.	Optional	36.0
fiscalWeek	String	The week number in fiscal year. Corresponds to _Week_Fiscal in datasets.	Optional	36.0
fiscalYear	String	The Fiscal year. Corresponds to _Year_Fiscal in datasets.	Optional	36.0
fullField	String	The full-field field.	Optional	36.0
hour	String	The number of hours. If the date contains no hours, value is '0.' Corresponds to _Hour in datasets.	Required	36.0
minute	String	The number of minutes. If the date contains no minutes, value is '0.' Corresponds to _Minute in datasets.	Required	36.0
month	String	The month number in calendar year. Corresponds to _Month is datasets.	Required	36.0
quarter	String	The quarter number in calendar year. Corresponds to _Quarter in datasets.	Optional	36.0
second	String	The number of seconds. If the date contains no seconds, value is '0.' Corresponds to _Second in datasets.	Optional	36.0
week	String	The week number in calendar year. Corresponds to _Week in datasets.	Required	36.0
year	String	The calendar year. Corresponds to _Year in datasets.	Required	36.0

Xmd Date Input

The extended metadata (Xmd) for a date.

Properties

Property Name	Type	Description	Required or Optional	Available Version
alias	String	The alias of the Date column.	Required	36.0
fields	XmdDateFieldsInput	The formatting information for the date fields.	Required	36.0

Property Name	Type	Description	Required or Optional	Available Version
firstDayOf Week	Integer	Denotes the first day of the week.	Optional	36.0
fiscalMonth Offset	Integer	The offset number of months for the fiscal year in relation to the calendar year.	Optional	36.0
fully QualifiedName	String	The fully qualified name of the date.	Required	39.0
label	String	The label of the Date column.	Optional	36.0

Xmd Derived Dimension Custom Action Input

A custom action for an Xmd derived dimension.

Properties

XmdDerivedDimensionCustomActionInput inherits properties from the abstract XmdBaseDimensionCustomActionfInput.

Xmd Derived Dimension Input

The extended metadata (Xmd) for a derived dimension in an Analytics dataset.

Properties

XmdDerivedDimensionInput inherits properties from the abstract XmdBaseDimensionInput. These base properties appear in XmdDerivedDimensionInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
customActions	XmdDerived DimensionCustom ActionInput[]	A list of custom actions for the derived dimension.	Optional	36.0
isMultiValue	Boolean	Indicates whether the derived dimension is multi-value (`true`) or not (`false`).	Optional	36.0
members	XmdDerived DimensionMember Input[]	Any customizations for specific values of the dataset fields. For example, change the color for this value in a chart to blue. 📝 Note: When you change the label, the new label only appears in the user interface. You can't use the label in queries, like a query filter. For this, the best practice is to modify the field values when you create the dataset.	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
salesforce Actions	XmdDerived Dimension SalesforceAction Input[]	The actions that appear in the action menu. You can only add actions that are defined in the page layouts for the corresponding Salesforce object. If left blank, Analytics shows all actions.	Optional	36.0

Xmd Derived Dimension Member Input

The extended metadata (Xmd) for a member of a derived dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
color	String	The color for the member. For example, set to "Blue".	Optional	36.0
label	String	The label for the member. For example, set to "United States".	Optional	36.0
member	String	The member value. For example, set to "USA".	Optional	36.0

Xmd Derived Dimension Salesforce Action Input

The extended metadata (Xmd) for a Saleforce Action for a derived dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
enabled	Boolean	Indicates whether the action is enabled for a specific dimension.	Required	36.0
name	String	The name of the action.	Required	36.0

Xmd Derived Measure Format Input

The extended metadata (Xmd) for the format of a derived measure in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
customFormat	String	When customizing the display, you can add a prefix, suffix, grouping separator, decimal separator, and leading and trailing zeros. You can also configure the number of digits. You can include any characters in prefixes and suffixes, including minus signs or currency symbols. You can use the following symbols to specifying a format. 0. One digit. Use to add leading or trailing 0s. For example, if you apply custom format #,###.00 to 56375, the result is 56,375.00. #. Adds zero or one digit. Use to show digits when applicable. For example, if you apply custom format #,###.## to 56375.56, the result is 56,375.56. .(period). Symbol used as the decimal separator, like in the number 375.56. Analytics currently only supports the decimal symbol (.) as a decimal separator. ,(comma). Symbol used as the grouping separator, like in 56,375. Analytics currently only supports the comma symbol (,) as a grouping separator. Example: [\"-$#,###.00$\",1]	Optional	38.0
unit Multiplier	Double	The multiplier for the unit. The multiplier changes a field's values by the same factor—like multiplying by 100 to convert decimals to percents. The multiplier must be a positive number.	Optional	36.0

Xmd Derived Measure Input

The extended metadata (Xmd) for a derived measure in an Analytics dataset.

Properties

XmdDerivedMeasureInput inherits properties from the abstract XmdBaseMeasureInput. These base properties appear in XmdDerivedMeasureInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
format	XmdDerived MeasureFormat Input	Format details for the Derived Measure.	Required	36.0

Xmd Dimension Custom Action Input

A custom action for an Xmd dimension.

Properties

XmdDimensionCustomActionInput inherits properties from the abstract XmdBaseDimensionCustomActionfInput.

Xmd Dimension Input

The extended metadata (Xmd) for a dimension in an Analytics dataset.

Properties

XmdDimensionInput inherits properties from the abstract XmdBaseDimensionInput. These base properties appear in XmdDimensionInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
customActions	XmdDimension CustomAction Input[]	A list of custom actions for the dimension.	Optional	36.0
members	XmdDimension MemberInput[]	Any member overrides for specific values of the dataset fields. For example, for the "Country" field, change the label of the "USA" to "United States." And change the color for this value in a chart to blue. Note: When you change the label, the new label only appears in the user interface. You can't use the label in queries, like a query filter. For this, the best practice is to modify the field values when you create the dataset.	Optional	36.0
salesforce Actions	XmdDimension SalesforceAction Input[]	The actions that appear in the action menu. You can only add actions that are defined in the page layouts for the corresponding Salesforce object. If left blank, Analytics shows all actions.	Optional	36.0

Xmd Dimension Member Input

The extended metadata (Xmd) for a member linked to a dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
color	String	The color for the member. For example, set to "Blue".	Optional	36.0
label	String	The label for the member. For example, set to "United States".	Optional	36.0
member	String	The member value. For example, set to "USA".	Optional	36.0

Xmd Dimension Salesforce Action Input

The extended metadata (Xmd) for a Saleforce Action for a dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
enabled	Boolean	Indicates whether the action is enabled for a specific dimension.	Required	36.0
name	String	The name of the action.	Required	36.0

Xmd Input

The extended metadata (Xmd) for an Analytics dataset version.

Properties

Property Name	Type	Description	Required or Optional	Available Version
dataset	XmdDatasetInput	Locale-specific information about the Dataset represented by this Xmd.	Optional	36.0
dates	XmdDateInput[]	A list of dates with formatting information.	Optional	36.0
derived Dimensions	XmdDerived DimensionInput[]	A list of derived dimensions with formatting information.	Optional	36.0
derived Measures	XmdDerived MeasureInput[]	A list of derived measures with formatting information.	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
dimensions	XmdDimension Input[]	A list of dimensions with formatting information.	Optional	36.0
measures	XmdMeasureInput[]	A list of measures with formatting information.	Optional	36.0
organizations	XmdOrganization Input[]	A list of organizations for multi-organization support.	Optional	36.0
showDetails DefaultFields	String[]	An ordered list of dimensions and measures. Represents the default order to show them in the UI.	Optional	36.0

SEE ALSO:

Xmd Resource

Xmd Measure Format Input

The extended metadata (Xmd) for the format of a measure in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
customFormat	String	When customizing the display, you can add a prefix, suffix, grouping separator, decimal separator, and leading and trailing zeros. You can also configure the number of digits. You can include any characters in prefixes and suffixes, including minus signs or currency symbols. You can use the following symbols to specifying a format.	Optional	38.0
		• 0. One digit. Use to add leading or trailing 0s. For example, if you apply custom format #,###.00 to 56375, the result is 56,375.00.		
		• #. Adds zero or one digit. Use to show digits when applicable. For example, if you apply custom format #,###.## to 56375.56, the result is 56,375.56.		
		• .(period). Symbol used as the decimal separator, like in the number 375.56. Analytics currently only supports the decimal symbol (.) as a decimal separator.		

Property Name	Type	Description	Required or Optional	Available Version
		• ,(comma). Symbol used as the grouping separator, like in 56,375. Analytics currently only supports the comma symbol (,) as a grouping separator. Example: [\"-$#,###.00$\",1]		
unit Multiplier	Double	The multiplier for the unit. The multiplier changes a field's values by the same factor—like multiplying by 100 to convert decimals to percents. The multiplier must be a positive number.	Optional	36.0

Xmd Measure Input

The extended metadata (Xmd) for a measure in an Analytics dataset.

Properties

XmdMeasureInput inherits properties from the abstract XmdBaseMeasureInput. These base properties appear in XmdMeasureInput alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
format	XmdMeasureFormat Input	The format details for the measure.	Required	36.0

Xmd Organization Input

The extended metadata (Xmd) for an organization in an Analytics dataset.

Properties

Property Name	Type	Description	Required or Optional	Available Version
id	ID	The ID of the org.	Required	36.0
instanceUrl	String	The org's My Domain login URL in the format https://*MyDomainName*.my.salesforce.com	Required	36.0
label	String	The display name for the Salesforce org. Can be up to 40 characters.	Optional	36.0

CRM ANALYTICS REST API RESPONSE BODIES

The successful execution of a request to a CRM Analytics REST API resource can return a response body in either JSON or XML format.

A request to a CRM Analytics REST API resource always returns an HTTP response code, whether the request was successful or not.

Abstract Field
The base definition of a dataset field.

Abstract Lint Item
The base readiness task for an Analytics template.

Action Collection
A collection of Salesforce actions available to the user.

Action
A Salesforce action.

Advanced Property Value
An advanced property name and value pair.

Advanced Property
An advanced property is a replication property for a data connector source object.

Analysis Configuration Outcome
The outcome for an Einstein Discovery story.

Analytics App Setting Collection
The collection of Analytics app settings.

Analytics App Setting
A setting for an Analytics app.

Analytics Asset Collection
A collection of Analytics assets.

Analytics Asset
An Analytics asset.

Analytics Data Asset File
A file used for preview of an Analytics data asset.

Annotation Collection
A collection of annotations.

Annotation
An Analytics annotation.

App Details
The app details for a template configuration wizard page.

App Log
The app log for app creation and updates.

Calculated Insight Type

The calculated insight type of an Analytics template variable.

Collaboration Room Notification Recipient

The Slack recipient of a notification.

Collection Pin

The pinning rules for an Analytics collection.

Collection Subscription Source

The collection subscription source.

Compact Form Column

A compact form column.

Compact Form Filter

A compact form filter.

Compact Form Join Object

A compact form join object for q query.

Compact Form Join

A compact form join for q query.

Compact Form Source

A compact form source for a query.

Component Saved View State

A state for the saved view of an Analytics component.

Component Saved View

A state for the saved view of an Analytics component.

Conditional Formatting Property

The extended metadata (Xmd) for a property in the conditional formatting for an Analytics dataset dimension or measure.

Configuration Page Layout

The configuration page layout for a template configuration wizard page.

Connection Property Value

A connection property name and value pair.

Connection Property

A property used to connect to an Analytics data connector.

Connectors Stats

The statistics information for the Analytics connectors.

Connector Type

The connector type of an Analytics template variable.

Contextual Source Asset

A contextual representation of an Analytics dashboard.

Coverage Job

The output of a user coverage request.

Custom Component Layout

A custom component layout for an Analytics template wizard page.

Dashboard

An Analytics dashboard.

Data Connector Collection

A collection of Analytics data connectors.

Data Connector Status

The status for an Analytics data connector.

Data Connector Type Collection

A collection of Analytics data connector types.

Data Connector Type

An Analytics data connector type.

Data Connector

An Analytics data connector.

Dataflow Collection

A collection of Analytics dataflows.

Dataflow Job Collection

A collection of Analytics dataflow jobs.

Dataflow Job

An Analytics dataflow job.

Dataflow Job Node Collection

The collection of nodes for an Analytics dataflow job.

Dataflow Job Node

A node in a dataflow job.

Dataflow Node Collection

The collection of nodes for an Analytics dataflow.

Dataflow Node

A node in an dataflow.

Dataflow

An Analytics dataflow.

Data Lake Object Field Type

The data lake object field type of an Analytics template variable.

Data Lake Object Type

The data lake object type of an Analytics template variable.

Data Model Object Field Type

The data model object field type of an Analytics template variable.

Data Model Object Type

The data model object type of an Analytics template variable.

Dataset Any Field Type

The dataset generic field type of an Analytics template variable.

Dataset Collection

A collection of datasets.

Permissions

The user permissions for an Analytics asset.

Post To Slack Notification Action Configuration

The notification action configuration for posting to Slack.

Property Condition

A condition where the connection property is visible.

Property Option

A value option for `Select` connection properties.

Query

A query written in SAQL or compact form.

Replicated Dataset Collection

A collection of Analytics replicated datasets, also know as connected objects.

Replicated Dataset

An Analytics replicated dataset, also know as a connected object.

Replicated Field Collection

A collection of fields for an Analytics replicated dataset, also known as a connected object.

Replicated Field

A field for an Analytics replicated dataset, also known as a connected object.

Report Source Asset

A contextual representation of a report asset.

Restore Dataset Version

The message returned for an Analytics data connector ingest request or an Analytics dataset version update request.

Schedule Details

The base Analytics schedule details, inherited by SubscriptionDailySchedule and SubscriptionWeeklySchedule.

Schedule

A schedule on which to execute some type of Analytics asset job.

Scheduled Item

The base schedule for a data refresh.

Scheduled Time

The base schedule for a data refresh.

Scheduled Timezone

The information for a schedule time zone.

Security Predicate

The security predicate for an Analytics dataset.

Send To Email Notification Action Configuration

The notification action configuration for sending an email.

Sharing Inheritance

The sharing inheritance for an Analytics dataset.

Single Column Layout

A single column layout for an Analytics template wizard page.

Unsupported Record

The sharing usage of object instances based on Analytics limits.

User Collection

Information for a user. Used by the Map representation

Validation Page Group

An org readiness requirement group on a validation page for a template validation wizard page.

Validation Page Layout

The validation page layout for a template configuration wizard page.

Variable Definition

The variable definition for an Analytics template. Specific variable type responses are listed here.

Variable Item

A variable item on a panel for an Analytics template wizard page.

Variable Item Tile

A variable item tile for a variable on a template wizard page.

Variable Type

The abstract type for an Analytics template variable.

Video Info

Information for describing a particular video.

Visual Parameters

A visual parameters for an Analytics watchlist item.

Watchlist Snapshot

An Analytics watchlist snapshot collection.

Watchlist

An Analytics watchlist collection.

Wave Analytics Limit

An Analytics limit.

Wave Analytics Limit Collection

The collection of Analytics limits.

Wave Asset Bundle

The Analytics asset bundled with the associated metadata.

Wave Collection

A collection of Analytics resources.

Wave Collection Item

An item in a collection of Analytics resources.

Wave Collection Item List

A list of items in a collection of Analytics resources.

Wave Collection List

A list of Analytics collections.

Wave Features

The Analytics features enabled for a user.

Wave File Metadata Collection

A collection of the metadata for Analytics files.

Wave File Metadata

The metadata for an Analytics file.

Wave Folder

An Analytics folder.

Wave Folder Collection

A collection of Analytics folders.

Wave Folder Schedule

An Analytics folder schedule.

Wave Folder Share

An Analytics folder sharing rule.

Wave User

An Analytics user.

Weekly Schedule

Specify a schedule that runs weekly for an Analytics asset.

Weekly Scheduled Item

The weekly schedule for a data refresh.

Widget Subscription Source

The widget subscription source.

Xmd Currency Settings

The extended metadata (Xmd) for currency settings of a currency field.

Xmd Date Field

The extended metadata (Xmd) for the formatting of date fields.

Xmd Dataset

The extended metadata (Xmd) for currency settings of a currency field.

Xmd Date

The extended metadata (Xmd) for a date.

Xmd Dimension Custom Action

The extended metadata (Xmd) for a custom action on an Analytics dataset dimension.

Xmd Dimension Member

The extended metadata (Xmd) for a member linked to a dimension in an Analytics dataset.

Xmd Dimension Salesforce Action

The extended metadata (Xmd) for a Saleforce Action for a dimension in an Analytics dataset.

Xmd Dimension

The extended metadata (Xmd) for a dimension in an Analytics dataset.

Xmd Measure Format

The extended metadata (Xmd) for the format of a measure in an Analytics dataset.

Xmd Measure

The extended metadata (Xmd) for a measure in an Analytics dataset.

Abstract Field

The base definition of a dataset field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
defaultValue	Object	An optional default value	Small, 37.0	37.0
description	String	An optional description of the field	Small, 37.0	37.0
fieldType	ConnectWaveField TypeEnum	The type of the field. Valid values are: • Date • DateOnly • DateTime • Numeric • Text	Small, 37.0	37.0
format	String	For date field types, the format is used to parse the input value. For other field types, the format string is used for display.	Small, 37.0	37.0
label	String	The label for the field.	Small, 37.0	37.0
multiValue	Boolean	Indicates if the field is a multivalue field (true) or not (false). The default is false.	Small, 37.0	37.0
multiValue Separator	String	Required only for fields where multiValue is true. This is the value separator for multivalues.	Small, 37.0	37.0
name	String	The field developer name.	Small, 37.0	37.0
precision	Integer	The numeric precision or text length depending on the field type.	Small, 37.0	37.0
scale	Integer	The numeric scale for numeric field types only.	Small, 37.0	37.0

Property Name	Type	Description	Filter Group and Version	Available Version
systemField	Boolean	Indicates if the field is a system field (`true`) or not (`false`). The default is false. System fields are not queryable.	Small, 37.0	37.0
uniqueId	Boolean	Indicates whether the field is a unique ID for the data set (`true`) or not (`false`). The default is false. There can only be one unique ID for any data set.	Small, 37.0	37.0

Abstract Lint Item

The base readiness task for an Analytics template.

Properties

Inherited by TemplateLintItem and TemplateReadinessItem.

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the task.	Small, 58.0	58.0
message	String	The message for the task.	Small, 58.0	58.0
readiness Status	TemplateReadiness StatusEnum	The status for the task. Valid values are: • `Complete` • `Failed` • `Warning`	Small, 58.0	58.0

Action Collection

A collection of Salesforce actions available to the user.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
actions	Action[]	The list of Salesforce actions for the current user.	Small, 40.0	40.0

SEE ALSO:

Actions Resource

Action

A Salesforce action.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
apiName	String	The API name of the action.	Small, 40.0	40.0
iconUrl	String	The icon URL of the action.	Small, 40.0	40.0
label	String	The label of the action.	Small, 40.0	40.0
primaryColor	String	The primary color of the action.	Small, 40.0	40.0
subType	String	The sub type of the action.	Small, 40.0	40.0

Advanced Property Value

An advanced property name and value pair.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the advanced property.	Small, 44.0	44.0
value	String	The value of the advanced property.	Small, 44.0	44.0

Advanced Property

An advanced property is a replication property for a data connector source object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	ConnectWaveConn PropertyTypeEnum	The field type of the advanced property. Valid values are: • Boolean • Numeric • Text	Small, 45.0	45.0
defaultValue	Object	The default value of the advanced property.	Small, 45.0	45.0

Property Name	Type	Description	Filter Group and Version	Available Version
description	String	The description of the advanced property.	Small, 45.0	45.0
isRequired	Boolean	Indicates whether the property is required (`true`) or not (`false`).	Small, 45.0	45.0
label	String	The label of the advanced property.	Small, 45.0	45.0
name	String	The name of the advanced property.	Small, 45.0	45.0

Analysis Configuration Outcome

The outcome for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The field selected by the user to create a story.	Small, 55.0	55.0
goal	String	The goal selected for the story.	Small, 55.0	55.0
label	String	The label for the outcome.	Small, 55.0	55.0
prediction Type	String	The type of prediction.	Small, 55.0	55.0
type	String	The type of the outcome.	Small, 55.0	55.0

Analytics App Setting Collection

The collection of Analytics app settings.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
settings	Map<String, Analytics App Setting>	The map of Analytics app settings.	Small, 57.0	57.0

SEE ALSO:

Folder Settings Resource

Analytics App Setting

A setting for an Analytics app.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
value	String	The value of the setting.	Small, 57.0	57.0

Analytics Asset Collection

A collection of Analytics assets.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assets	AnalyticsAsset[]	The list of Analytics assets.	Small, 47.0	47.0
nextPageToken	String	The token for the next page.	Small, 47.0	47.0
totalCount	Integer	The total count of assets in the collection	Small, 47.0	47.0

SEE ALSO:

Analytics Assets Collection Resource

Analytics Asset

An Analytics asset.

Properties

AnalyticsAsset inherits properties from the abstract BaseWaveAssetReference. These base properties appear in AnalyticsAsset alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
dataRefresh Date	Date	The date when the dataset was last refreshed.	Small, 48.0	48.0
datasetType	ConnectWave DatasetTypeEnum	The dataset type. Valid values are: • Default	Small, 56.0	56.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Live` • `StagedData` • `Trended`		
`files`	BaseFile[]	The list of files used to create the asset. Valid values are: • AnalyticsDataAssetFile • LensFile	Small, 47.0	47.0
`folder`	AssetReference	The folder that the asset belongs to.	Small, 47.0	47.0
`folderType`	ConnectFolderType	The folder type field for folder assets.	Small, 53.0	53.0
`icons`	TemplateIcons	The icons for the asset.	Small, 56.0	56.0
`outcome`	Analysis Configuration Outcome	The analysis outcome for an Einstein Discovery asset.	Small, 55.0	55.0
`owner`	WaveUser	The owner of the asset.	Small, 55.0	55.0
`status`	String	The status for an Einstein Discovery asset.	Small, 55.0	55.0
`visibility`	ConnectWaveAsset VisibilityType	The visibility type. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Small, 51.0	51.0

SEE ALSO:

Analytics Asset Resource

Analytics Data Asset File

A file used for preview of an Analytics data asset.

Inherits properties from Base File.

SEE ALSO:

Asset Files List Resource

Asset File Resource

Annotation Collection

A collection of annotations.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
annotations	Annotation[]	The list of annotations for this asset and feedSubject.	Small, 37.0	37.0
feedSubject	AssetReference	The feed subject for all annotations.	Small, 37.0	37.0
subscription Id	String	The 18-character ID of the subscription.	Small, 38.0	38.0
url	String	The URL to get this collection.	Small, 37.0	37.0

SEE ALSO:

Annotations List Resource

Annotation

An Analytics annotation.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
anchor	String	The anchor key.	Small, 37.0	37.0
asset	AssetReference	The referenced asset.	Small, 37.0	37.0
feedElement	AssetReference	The referenced feed element.	Small, 37.0	37.0
id	String	The 18 character annotation ID.	Small, 37.0	37.0
resolved	Boolean	Indicates whether the state of the annotation is resolved or not.	Small, 37.0	37.0
url	String	The URL to get this annotation.	Small, 37.0	37.0

SEE ALSO:

Annotations List Resource

Annotation Resource

App Details

The app details for a template configuration wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
guidancePanel	GuidancePanel	The guidance panel to show for this app details page of the template wizard.	Small, 59.0	59.0
navigation	PageNavigation Info	The navigation information for this app details page of the template wizard.	Small, 59.0	59.0

App Log

The app log for app creation and updates.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
message	String	A log message entry.	Supplemental, 49.0	49.0

Array Type

The array type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Object	The restricted list of enumerated values, where applicable for the inner variable types.	Small, 36.0	36.0
itemsType	VariableType	The variable type of the array contents.	Small, 36.0	36.0
sizeLimit	SizeLimit	The size limit of the array.	Small, 37	37.0

227

Asset History Collection

A collection of asset histories.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
histories	AssetHistory[]	A list of asset histories	Small, 46.0	46.0

SEE ALSO:

Dashboard Histories Resource

Asset History

The history of an Analytics asset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdBy	WaveUser	The user who created the history record.	Small, 46.0	46.0
createdDate	Date	The date the history record was created for the asset.	Small, 46.0	46.0
historyUrl	String	The url to the history metadata details.	Small, 46.0	46.0
id	String	The id for the history record.	Small, 46.0	46.0
isCurrent	Boolean	Indicates whether this history record is the current version of the asset or not.	Small, 47.0	47.0
label	String	The optional label for the history record.	Small, 46.0	46.0
name	String	The generated name for the history record.	Small, 46.0	46.0
previewUrl	String	The url to a preview of how an asset looked at a particular point in time. This url doesn't revert the asset.	Small, 46.0	46.0

228

Property Name	Type	Description	Filter Group and Version	Available Version
revertUrl	String	The url to revert to this history record.	Small, 46.0	46.0
status	String	The optional status value of the asset.	Small, 47.0	47.0

Asset Publishers Collection

A collection of asset publishers.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
publishers	AssetPublisher[]	A list of asset publishers	Small, 47.0	47.0

SEE ALSO:

Dashboard Publishers List Resource

Asset Publisher

The publisher of an Analytics asset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assetId	String	The id for the asset	Small, 47.0	47.0
id	String	The id for the asset publisher record.	Small, 47.0	47.0
publisherUser	WaveUser	The user in publish mode.	Small, 47.0	47.0

SEE ALSO:

Dashboard Publishers List Resource

Dashboard Publisher Resource

Asset Reference

An Analytics asset reference.

This wraps the Base Asset Reference.

Auto-Install App Configuration

The configuration for a auto-install app.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
app Description	String	The description for the app.	Big, 54.0	54.0
appLabel	String	The label for the app.	Big, 54.0	54.0
appName	String	The developer name for the app.	Big, 54.0	54.0
autoShareWith LicensedUsers	Boolean	Indicates whether the Analytics application is automatically shared with users that are assigned the Analytics View Only Embedded App permission set (`true`) or not (`false`).	Small, 50.0	50.0
autoShareWith Originator	Boolean	Indicates whether the Analytics application is automatically shared with the user that initiated the auto-install request (`true`) or not (`false`).	Small, 50.0	50.0
deleteAppOn Construction Failure	Boolean	Indicates whether the Analytics application is deleted when a failure occurs on the `WaveAppCreate` request (`true`) or not (`false`).	Small, 50.0	50.0
failOn Duplicate Names	Boolean	Indicates whether the Analytics application creation fails when another asset exists with the same developer name (`true`) or not (`false`).	Small, 50.0	50.0
license Attributes	LicenseAttributes on page 297	The license type to use to create the app with auto-install. This property is only used for `WaveAppCreate` requests.	Small, 58.0	58.0
values	Map<String, Object>	A map of application template variable values used to create or update the Analytics application.	Small, 50.0	50.0

Auto-Install Configuration

The configuration for a auto-install request.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
app Configuration	AutoInstallApp Configuration	The configuration used to create or update the Analytics application.	Supplemental, v50.0	50.0
parentRequest Ids	String[]	The collection of the parent auto-install request ids this request depends on.	Supplemental, v50.0	50.0

Auto-Install Request Collection

A collection of auto-install requests.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
requests	AutoInstallRequest[]	A collection of auto-install requests	Small, 50.0	50.0

SEE ALSO:

Auto-Install Requests List Resource

Auto-Install Request

A auto-install request.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
appFrom Request	WaveFolder[]	The Analytics application that this auto-install request is associated with.	Supplemental, 50.0	50.0
configuration	AutoInstall Configuration[]	The configuration attributes for the auto-install request.	Supplemental, 50.0	50.0
createdBy	WaveUser	The user that created the auto-install request.	Small, 50.0	50.0
createdDate	Date	The date and time the auto-install request was created.	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
failedReason	AutoInstallRequest FailedReasonEnum	The reason that the auto-install request failed, where applicable. Valid values are: • `AppConstructionFailure` • `AppCreateFailure` • `AppInstallationSkipped` • `AppUpdateFailure` • `CancelFailed` • `DeleteFailed` • `DependencyCancelled` • `DependencyFailure` • `FailedOther` • `FailedToEnqueue` • `OrganizationIncompatible` • `RequestCancelled` • `RetriesExhausted` • `WaveDisabled`	Small, 50.0	50.0
folderId	String	The Analytics application folder ID for the auto-install request.	Small, 50.0	50.0
folderLabel	String	The Analytics application folder label for the auto-install request.	Small, 50.0	50.0
id	String	The ID for the auto-install request.	Small, 50.0	50.0
lastModified By	WaveUser	The user that last modified the auto-install request.	Small, 50.0	50.0
lastModified Date	Date	The date and time the auto-install request was last modified.	Small, 50.0	50.0
parent Requests	AutoInstallRequest[]	The collection of auto-install requests that the auto-install request depends on.	Supplemental, 50.0	50.0
requestLog	String	The log for the auto-install request.	Big, 50.0	50.0
requestName	String	The user specified name for the auto-install request.	Small, 50.0	50.0
requestStatus	AutoInstallRequest StatusEnum	The status of the auto-install request. Valid values are: • `AppInProgress` • `Cancelled` • `Enqueued` • `Failed`	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `InProgress` • `New` • `Skipped` • `Success`		
`request Template`	Template	The Analytics template used to create and update the app, where applicable.	Supplemental, 50.0	50.0
`requestType`	AutoInstallRequest TypeEnum	The type of the auto-install request. Valid values are: • `OrgCompatibilityCheck` • `StartDataflow` • `WaveAppAutoUpdate` • `WaveAppCreate` • `WaveAppDelete` • `WaveAppUpdate` • `WaveEnable`	Small, 50.0	50.0
`templateApi Name`	String	The Analytics template API name or ID for the auto-install request.	Small, 50.0	50.0
`template Version`	String	The Analytics template version for the auto-install request.	Small, 50.0	50.0
`url`	String	The URL to get the auto-install request.	Small, 50.0	50.0

SEE ALSO:

Auto-Install Requests List Resource

Auto-Install Request Resource

Base Asset Reference

The base Analytics asset.

Inherited by Asset Reference, Image Asset Reference, Slack Reference, and Typed Asset Reference.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`id`	String	The 18 character ID of the asset.	Small, 36.0	36.0
`label`	String	The asset label.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The asset developer name.	Small, 36.0	36.0
namespace	String	The namespace that qualifies the asset name. The default is the current organization's namespace, which is "empty namespace" for all organizations, except those developer edition orgs that have set a namespace.	Small, 37.0	37.0
url	String	The asset URL.	Small, 36.0	36.0

Base Collection Reference

The base Analytics collection.

Inherited by Watchlist.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	String	The URL for the next page of contents in the collection.	Small, 36.0	36.0
totalSize	Integer	The total count of the elements in the collection.	Small, 36.0	36.0
url	String	The URL for the collection.	Small, 36.0	36.0

Base File

The base Analytics file.

Inherited by Analytics Data Asset File and Lens File.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
contentType	String	The content type of the file.	Small, 36.0	36.0
fileLength	Integer	The length of the file in KB.	Small, 36.0	36.0
fileName	String	The name of the file.	36.0	
description	String	Short description of the asset.	Small, 36.0	36.0
id	String	The 18 character ID of the file.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
lastModified Date	Date	The last time the file was modified,.	Small, 36.0	36.0
url	String	The file URL.	Small, 36.0	36.0

Base Notification Action Configuration

The base Analytics notification action configuration.

Inherited by PostToSlackNotificationActionConfiguration and SendToEmailNotificationActionConfiguration.

Base Object Type

The base type for an Analytics template object variable.

Properties

Inherits properties from VariableType.

Inherited by CalculatedInsightFieldType, CalculatedInsightType, DataLakeObjectFieldType, DataLakeObjectType, DataModelObjectField Type, DataModelObjectType, DatasetAnyFieldType, DatasetDateType, DatasetDimensionType, DatasetMeasureType, DatasetType, Object Type, SObjectFieldType, and SObjectType.

Property Name	Type	Description	Filter Group and Version	Available Version
properties	Map<String, Variable Type>	A map of defined properties and types of the object.	Small, 36.0	36.0
required	String[]	A list of required properties for the object.	Small, 36.0	36.0
strict Validation	Boolean	Indicates whether to use strict validation when unexpected properties exist in the object payload (`true`) or not (`false`).	Small, 36.0	36.0

Base Templated Asset

A base Analytics asset created from a template.

Properties

Inherited by Dashboard and Lens.

BaseTemplatedAsset inherits properties from the abstract BaseWaveAssetReference. These base properties appear in BaseTemplatedAsset alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
cloned Template Origin	String	If the asset was cloned from an asset that was created from a template, this is the template origin of the original asset.	Small, 56.0	56.0
templateAsset SourceName	String	If the asset was created from a template, this is the corresponding template asset developer name.	Small, 52.0	52.0
template SourceId	String	If the asset was created from a template, this is the corresponding template name or ID.	Small, 52.0	52.0

Base Wave Asset

The base Analytics asset.

Inherited by Analytics Asset, Base Templated Asset, Contextual Source Asset, Coverage Job, Dashboard Context Asset, Data Connector, Dataflow Job Node, Dataflow Job, Dataflow, Dataset, Dataset Version, Lens Source Asset, Recipe Configuration, Recipe, Replicated Dataset, Report Source Asset, Wave Collection Item, Wave Collection, and Wave Folder.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assetSharing Url	String	The URL for opening this asset in the user interface. This is a form of deep linking. The server examines the link parameters, which can include `urlType`, `assetId`, `orgId`, and `loginHost`, as well as other optional parameters, and translates as necessary to produce the correct result on the target client. For example, it opens the asset on a desktop client, or mobile if you are on a mobile OS.	Small, 36.0	36.0
createdBy	WaveUser	The user who created the asset.	Small, 36.0	36.0
createdDate	Date	The time at which the asset was created, in ISO8601 date format.	Small, 36.0	36.0
description	String	Short description of the asset.	Small, 36.0	36.0
id	String	The 18 character ID of the asset.	Small, 36.0	36.0
label	String	The asset label.	Small, 36.0	36.0
lastAccessed Date	Date	The last time the asset was accessed, in ISO8601 date format.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
last ModifiedBy	WaveUser	The user who last updated the asset.	Small, 36.0	36.0
lastModified Date	Date	The last time the asset was modified, in ISO8601 date format.	Small, 36.0	36.0
name	String	The asset developer name.	Small, 36.0	36.0
namespace	String	The namespace that qualifies the asset name. The default is the current organization's namespace, which is "empty namespace" for all organizations, except those developer edition orgs that have set a namespace.	Small, 36.0	36.0
permissions	Permissions	The permissions for the current user.	Small, 36.0	36.0
type	ConnectWaveAsset TypeEnum	The asset type. The default type is Dashboard. Valid types are: • `Collection` • `Component` • `ContextualDashboard` • `Dashboard` • `DashboardSavedView` • `DashboardSnapshot` • `DataCloudReport` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset` • `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent` • `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel`	Optional, Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• ReplicatedDataset • Report • ReportFolder • Story • TableauDashboard • TableauWorkbook • Template • Widget • Workflow		
url	String	The asset URL.	Small, 36.0	36.0

Boolean Type

The boolean type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Boolean[]	The restricted list of enumerated boolean values.	Small, 36.0	36.0

Bounding Box

A bounding box of a map.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
bottom	Double	The bottom boundary of the geo map	Small, 39.0	39.0
left	Double	The left boundary of the geo map	Small, 39.0	39.0
right	Double	The right boundary of the geo map	Small, 39.0	39.0
top	Double	The top boundary of the geo map	Small, 39.0	39.0

Calculated Insight Field Type

The calculated insight field type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	String	The calculated insight field data type when a default field isn't supplied. Valid values are: • string • number • date_time • date	Small, 58.0	58.0
fieldType	String	The calculated insight field type when a default field isn't supplied. Valid values are: • dimension • measure	Small, 58.0	58.0

Calculated Insight Type

The calculated insight type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Collaboration Room Notification Recipient

The Slack recipient of a notification.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
platformId	String	The Slack platform ID for the recipient.	Small, 53.0	53.0

Collection Pin

The pinning rules for an Analytics collection.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
id	ConnectWaveShare TypeEnum	The ID for the collection pin rule.	Small, v52.0	52.0
pinnedFor	ID	The id of a group, a role, or a user the pinning rule is defined for.	Small, v52.0	52.0
type	CollectionPinType Enum	The type of pinning. Valid values are: • `All` • `Desktop` • `Mobile` • `None`	Small, v52.0	52.0

Collection Subscription Source

The collection subscription source.

Properties

CollectionSubscriptionSource inherits properties from the abstract SubscriptionSource. These base properties appear in CollectionSubscriptionSource alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
asset	AssetReference	The collection asset for the subscription.	Small, 52.0	52.0

Compact Form Column

A compact form column.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
field	Object	The compact form column field.	Small, 48.0	48.0
formula	String	The compact form column formula.	Small, 48.0	48.0
name	String	The name of the compact form column.	Small, 48.0	48.0

Compact Form Filter

A compact form filter.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
booleanFilter Logic	String	The boolean filter logic.	Small, 49.0	49.0
filters	Object	The list of filters.	Small, 48.0	48.0

Compact Form Join Object

A compact form join object for q query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
alias	String	The alias for the compact form join object.	Small, 58.0	58.0
fields	String[]	A list of join field for the compact form join object.	Small, 59.0	59.0
name	String	The name for the compact form join object.	Small, 58.0	58.0

Compact Form Join

A compact form join for q query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
source	CompactFormJoin Object on page 241	The source object for compact form join.	Small, 58.0	58.0
target	CompactFormJoin Object on page 241	The target object for compact form join.	Small, 58.0	58.0

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWave CompactFormJoin TypeEnum	The join type of the compact form. Valid values are: • Inner • Left • Outer • Right	Small, 58.0	58.0

Compact Form Source

A compact form source for a query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
cogroupType	ConnectWave CompactForm CogroupTypeEnum	The join type of the compact form. Valid values are: • Anti • Inner • Left • Outer • Right • Semi	Small, 48.0	48.0
columns	CompactForm Column on page 240[]	A list of the compact form source columns.	Small, 48.0	48.0
filters	Object	The compact form source column filters.	Small, 52.0	52.0
groups	Object	The compact form source groups.	Small, 48.0	48.0
joins	CompactFormJoin on page 241[]	A list of the compact form source joins.	Small, 58.0	58.0
name	String	The compact form source name.	Small, 48.0	48.0

Component Saved View State

A state for the saved view of an Analytics component.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
cdpObjects	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified cdpObject names to cdpObject state.	Small, 55.0	55.0
datasets	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified dataset names to dataset state.	Small, 42.0	42.0
sObjects	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified sObject names to sObject state.	Small, 55.0	55.0
steps	Map<String, DashboardSaved ViewStepState>	Map of the step ids to step state.	Small, 42.0	42.0

Component Saved View

A state for the saved view of an Analytics component.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
pageId	String	The ID of the component page for the saved view.	Small, 51.0	51.0
state	ComponentSaved ViewState	The state for the saved view of the component.	Big, 51.0	51.0

Conditional Formatting Property

The extended metadata (Xmd) for a property in the conditional formatting for an Analytics dataset dimension or measure.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`parameters`	Object	The parameters for different formatting types.	Small, 42.0	42.0
`reference Field`	String	The reference field the conditional formatting is based on, if any.	Small, 42,0	42.0
`type`	ConnectWave Conditional FormattingType Enum	The conditional formatting type. Valid values are: • `Categories` • `Gradient` • `Multiple` • `Raw` • `Single` • `Static`	Small 42.0	42.0

Configuration Page Layout

The configuration page layout for a template configuration wizard page.

Properties

Inherits properities from Page Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
`layout`	Layout	The layout for the page. Valid values are: • CustomComponentLayout • SingleColumnLayout • TwoColumnLayout	Small, 56.0	56.0

Connection Property Value

A connection property name and value pair.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the connection property.	Small, 39.0	39.0
value	Object	The value of the connection property.	Small, 39.0	39.0

Connection Property

A property used to connect to an Analytics data connector.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
conditions	PropertyCondition[]	A list of conditions for the connection property.	Small, 66.0	66.0
dataType	ConnectWaveConn PropertyTypeEnum	The field type of the connection property. Valid values are: • Boolean • Numeric • Select • Text	Small, 39.0	39.0
defaultValue	Object	The default value of the connection property.	Small, 39.0	39.0
isEncrypted	Boolean	Indicates whether the connection property is encrypted (true) or not (false).	Small, 39.0	39.0
isRequired	Boolean	Indicates whether the connection property is required (true) or not (false).	Small, 39.0	39.0
label	String	The label of the connection property.	Small, 39.0	39.0
maxLength	Integer	The maximum length of the connection property.	Small, 39.0	39.0
name	String	The name of the connection property.	Small, 39.0	39.0
options	PropertyOption[]	A list of select options for the connection property.	Small, 66.0	66.0

Connectors Stats

The statistics information for the Analytics connectors.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`current ParquetOptIn Objects`	Integer	The current amount of objects using optimized data sync to Parquet.	Small, 65.0	65.0
`maximum ParquetOptIn Objects`	Integer	The maximum allowed objects using optimized data sync to Parquet.	Small, 65.0	65.0

Connector Type

The connector type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Property Name	Type	Description	Filter Group and Version	Available Version
`enums`	String[]	The restricted list of enumerated connector values.	Small, 48.0	48.0

Contextual Source Asset

A contextual representation of an Analytics dashboard.

Properties

ContextualSourceAsset inherits properties from the abstract BaseWaveAsset. These base properties appear in ContextualSourceAsset alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`dashboardId`	ID	The 18 character ID of the dashboard.	Small, 57.0	57.0

Property Name	Type	Description	Filter Group and Version	Available Version
externalState	DashboardSavedViewState	The external state of the contextual asset.	Small, 57.0	57.0
locations	DashboardContextLocation[]	A list of the location for the contextual asset.	Small, 57.0	57.0
savedView	AssetReference	The saved view of the dashboard.	Small, 57.0	57.0

Coverage Job

The output of a user coverage request.

Properties

CoverageJob inherits properties from the abstract BaseWaveAssetReference. These base properties appear in CoverageJob alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
message	String	The error or warning message that occurred during the job run.	Small, 50.0	50.0
object	AssetReference	The object name for the job.	Small, 45.0	45.0
status	CoverageJobStatus Enum	The status of the job.	Small, 45.0	45.0
userCoverage	String	The user coverage calculated by this job.	Small, 45.0	45.0

Custom Component Layout

A custom component layout for an Analytics template wizard page.

Properties

Inherits properties from Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
module	String	A name of the custom LWC module.	Small, 59.0	59.0
properties	Map<Object, Object>	A map of properties to pass to the custom LWC.	Small, 59.0	59.0
variables	CustomComponentLayoutVariable[]	A list of the variables for the custom LWC to use.	Small, 59.0	59.0

Custom Component Layout Variable

A variable for the custom component layout to pass to the LWC.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	A name of the variable.	Small, 59.0	59.0
visibility	String	An optional visibility expression for this variable.	Small, 59.0	59.0

Daily Schedule

Specify a daily schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Daily Scheduled Item

The daily schedule for a data refresh.

Properties

Inherits properties from Scheduled Item

Dashboard Collection

A collection of Analytics dashboards.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dashboards	Dashboard[]	A collection of Analytics dashboards.	Small, 36.0	36.0
nextPageUrl	String	The URL to retrieve the next page of contents in the collection.	Small, 36.0	36.0
totalSize	Integer	The total count of the elements in the collection, including all pages.	Medium, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The URL to retrieve the collection.	Small, 36.0	36.0

SEE ALSO:

Dashboards List Resource

Dashboard Context Asset

A contextual representation of an embedded Analytics dashboard.

Properties

DashboardContextAsset inherits properties from the abstract BaseWaveAsset. These base properties appear in DashboardContextAsset alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
dashboardId	ID	The 18 character ID of the dashboard.	Small, 57.0	57.0
dashboard SavedViewId	String	The ID of the dashboard saved view, if present.	Small, 57.0	57.0
externalState	String	The external state to apply to the embedded dashboard.	Small, 57.0	57.0
locations	DashboardContext Location[]	A list of the locations where the dashboard is embedded.	Small, 57.0	57.0

Dashboard Context Location

A location of an Analytics embedded dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
location	String	The location of the embedded dashboard.	Small, 57.0	57.0

Dashboard Saved View Collection

A collection of Analytics dashboard saved views.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
savedViews	DashboardSaved View[]	A collection of dashboard saved views.	Small, 42.0	42.0

SEE ALSO:

Dashboards Saved Views List Resource

Dashboard Saved View Data Source State

A data source state for the saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataspace	String	The name of datasapce that the Data 360 object is assigned to.	Small, 62.0	62.0
fields	String[]	The dataset fields with filter or selection values.	Small, 42.0	42.0
filter	DashboardSaved ViewFilter	The filter values.	Small, 42.0	42.0
type	ConnectWave DashbhoardSaved ViewDatasetState Type	The type of dataset state. Valid values are: • `Global`	Small, 42.0	42.0

Dashboard Saved View Filter

A filter for the saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
operator	String	The filter operator.	Small, 42.0	42.0
values	Object[]	The list of filter values.	Small, 42.0	42.0

250

Dashboard Saved View Initial

The initial saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
userViewCount	Integer	The number of views saved by the current user on the dashboard.	Small, 42.0	42.0
view	DashboardSaved View	The user or shared saved view to initially apply to the dashboard.	Small, 42.0	42.0

SEE ALSO:

Dashboards Saved Views Initial Resource

Dashboard Saved View State

A state for the saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
cdpObjects	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified cdpObject names to cdpObject state.	Small, 55.0	55.0
components	Map<String, ComponentSaved View>	Map of the fully qualified component names to component state.	Small, 51.0	51.0
datasets	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified dataset names to dataset state.	Small, 42.0	42.0
sObjects	Map<String, DashboardSaved ViewDataSource State>	Map of the fully qualified sObject names to sObject state.	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
steps	Map<String, DashboardSaved ViewStepState>	Map of the step ids to step state.	Small, 42.0	42.0

Dashboard Saved View Step Metadata

The step metadata for the saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
groups	String[]	The list of groups step metadata.	Small, 42.0	42.0

Dashboard Saved View Step State

A step state for the saved view of an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
metadata	DashboardSaved ViewStepMetadata	The step metadata.	Small, 42.0	42.0
values	Object[]	The list of step values.	Small, 42.0	42.0

Dashboard Saved View

A saved view for an Analytics dashboard.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The saved view id.	Small, 42.0	42.0

Property Name	Type	Description	Filter Group and Version	Available Version
isInitial	Boolean	Indicates whether the view is the initial view when loading the dashboard or not.	Small, 42.0	42.0
label	String	The saved view label.	Small, 42.0	42.0
pageId	String	The id of dashboard page this saved view loads on the dashboard.	Small, 42.0	42.0
state	DashboardSaved ViewState	The selections and filters that were applied directly to the dashboard.	Big, 42.0	42.0
type	ConnectWave DashboardSaved ViewType	The type of saved view. • Shared • User	Small, 42.0	42.0

SEE ALSO:

Dashboards Saved Views List Resource

Dashboards Saved View Resource

Dashboard Snapshot Item Data Row

An Analytics dashboard snapshot item data row.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
snapshotDate	Date	The timestamp when the dashboard snapshot item value was calculated.	Small, 48.0	48.0
snapshotDate Label	String	The timestamp when the dashboard snapshot item value was calculated in yyyy-mm-dd format.	Small, 48.0	48.0
snapshotDate	Double	The calculated value of the dashboard snapshot item.	Small, 48.0	48.0

Dashboard Snapshot Item Last Run

The Analytics dashboard snapshot item last run information.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
lastRunDate	Date	The timestamp when the dashboard snapshot item was run.	Small, 48.0	48.0
lastRunStatus	ConnectDashboard SnapshotItemLast RunStatusEnum	The status of the dashboard snapshot item run. Valid values are: • `DashboardBundleFailedTo Load` • `FailedToParseValue` • `FailedToPersistData` • `GenericException` • `QueryExecutionFailed` • `Success`	Small, 48.0	48.0

Dashboard Snapshot Item Result

An Analytics dashboard snapshot item.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataRows	Dashboard SnapshotItem DataRow[]	The collection of dashboard snapshot item data.	Small, 48.0	48.0
lastRunInfo	Dashboard SnapshotItem LastRun	The last run of the dashboard snapshot item.	Small, 48.0	48.0

SEE ALSO:

Watchlist Item Resource

Dashboard Snapshot Item Source Dashboard

The dashboard source for a dashboard snapshot item.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
version	String	The version of the source dashboard.	Small, 48.0	48.0

Dashboard Snapshot Item

An Analytics dashboard snapshot item.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
destination Link	LinkAsset Destination	The destination link for the item.	Small, 48.0	48.0
driftState	Connect Dashboard SnapshotDrift State	The drift state of the snapshot item. Valid values are: • Clean (Indicates the snapshot is clean) • Dirty (Indicates the snapshot has drifted and is dirty) • IgnoreQueryDrift (Indicates the snapshot is dirty, but user has ignored it)	Small, 48.0	48.0
id	String	The id of the item.	Small, 48.0	48.0
lastRunInfo	Dashboard SnapshotItem LastRun	The last run of the item.	Small, 48.0	48.0
parameters	Visual Parameters	The visual parameters of the item.	Small, 48.0	48.0
snapshot DashboardId	String	The id of the snapshot dashboard.	Small, 48.0	48.0
source Dashboard	Dashboard SnapshotItem Source Dashboard	The source dashboard of the item.	Small, 48.0	48.0
stepId	String	The id of the step in the snapshot dashboard.	Small, 48.0	48.0

Dashboard Subscription Source

The dashboard subscription source.

Properties

DashboardSubscriptionSource inherits properties from the abstract SubscriptionSource. These base properties appear in DashboardSubscriptionSource alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`asset`	AssetReference	The collection asset for the subscription.	Small, 53.0	53.0
`savedView`	AssetReference	The dashboard saved view for the subscription.	Small, 54.0	54s.0

Dashboard

An Analytics dashboard.

Properties

Dashboard inherits properties from the abstract Base Templated Asset. These base properties appear in Dashboard alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`allowPreview`	Boolean	Indicates whether this dashboard is available for preview.	Small, 36.0	36.0
`currentHistoryId`	String	The current saved history to display for the dashboard. If null, the latest dashboard is displayed	Small, 44.0	44.0
`datasets`	AssetReferenceRepresentation[]	The list of datasets used to create this dashboard.	Small, 36.0	36.0
`dateVersion`	Integer	The version of dates used by the dashboard. Valid values are: • 1 • 2	Small, 44.0	44.0
`files`	LensFileRepresentation[]	The list of files used to create this dashboard.	Medium, 36.0	36.0
`filesUrl`	String	The URL for the files associated with the dashboard.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
`folder`	AssetReferenceRepresentation[]	The folder that contains this dashboard.	Small, 36.0	36.0
`historiesUrl`	String	The URL for the dashboard histories associated with this dashboard.	Small, 44.0	44.0
`layoutAutoSync`	String	Indicates whether the dashboard has auto sync enabled for layouts(`true`) or not (`false`).	Small, 60.0	60.0
`mobileDisabled`	Boolean	Indicates whether the dashboard is disabled for mobile (`true`) or not (`false`).	Small, 41.0	41.0
`refreshDate`	Date	The date of the most recent current dataset that is used by the dashboard, in ISO8601 date format.	Small, 36.0	36.0
`state`	DashboardStateRepresentation	The state of the dashboard	Big, 36.0	36.0
`visibility`	ConnectWaveAssetVisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Small, 51.0	51.0

SEE ALSO:

Dashboards List Resource

Dashboard Resource

Data Connector Collection

A collection of Analytics data connectors.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`data Connectors`	DataConnector[]	A list of Analytics connectors.	Small, 39.0	39.0
`stats`	ConnectorsStats	The statistics information for all Analytics connectors.	Small, 65.0	65.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	A URL for the collection.	Small, 42.0	42.0

SEE ALSO:

Data Connectors List Resource

Data Connector Status

The status for an Analytics data connector.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
message	String	Message from testing a connection status.	Small, 45.0	45.0
status	ConnectWaveData ConnectorStatus Enum	Result from testing the Analytics connector. Valid values are: • `Failure` • `Success`	Small, 45.0	45.0
url	String	The URL for the data connector status.	Small, 45.0	45.0

SEE ALSO:

Data Connector Status Resource

Data Connector Type Collection

A collection of Analytics data connector types.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
types	DataConnector Type[]	A list of Analytics connector types.	Small, 39.0	39.0
url	String	The URL to get the collection.	Small, 39.0	39.0

SEE ALSO:

Data Connector Types Resource

Data Connector Type

An Analytics data connector type.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
advanced Properties	AdvancedProperty[]	The advanced properties of the Analytics connector type.	Small, 45.0	45.0
associated Categories	ConnectWave ConnectorCategory Enum	The categories that the data connector belongs to. Valid values are: • AdvancedProperties Support • BatchRead • Direct • FileBased • FilterSupport • Output • Private	Small, 49.0	49.0
bundle	ConnectWaveData ConnectorBundle Enum	The bundle type that the data connector belongs to. Valid values are: • AmazonRedshift • AmazonS3 • Azure • Cdp • Salesforce • Snowflake • Tableau	Small, 53.0	53.0
connection Properties	Connection Property[]	The connection properties of the Analytics connector type.	Small, 39.0	39.0
isExternal	Boolean	Indicates whether the Analytics connector type is external (true) or internal (false).	Small, 39.0	39.0
label	String	The label of the Analytics connector type.	Small, 39.0	39.0
name	String	The name of the Analytics connector type.	Small, 39.0	39.0
supported Connector Handlers	ConnectWaveData ConnectorHandler Enum[]	The list of supported connector handlers for the Analytics connector type. Valid values are: • Base	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Legacy`		
`type`	ConnectWaveData ConnectorType Enum	The type of Analytics connector. Valid values are: • `AmazonAthena` • `AmazonRedshiftOutput` • `AmazonS3` • `AmazonS3Output` • `AmazonS3Private` • `AwsRdsAuroraMySQL` • `AwsRdsAuroraPostgres` • `AwsRdsMariaDB` • `AwsRdsMySQL` • `AwsRdsPostgres` • `AwsRdsSqlServer` • `AzureDataLakeGen2Output` • `AzureSqlDatabase` • `AzureSqlDatawarehouse` • `Databricks (Beta)` • `GoogleAnalytics4` • `GoogleBigQuery` • `GoogleBigQueryDirect` • `GoogleBigQueryStandard SQL` • `GoogleSpanner` • `HerokuPostgres` • `HubSpot` • `MarketoV2` • `NetSuite` • `OracleEloqua` • `Redshift` • `RedshiftPrivate` • `SalesforceExternal` • `SalesforceMarketingCloud OAuth2` • `SapHanaCloud` • `SfdcLocal` • `SnowflakeComputing`	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `SnowflakeDirect` • `SnowflakeOutput` • `SnowflakePrivate` • `SnowflakePrivateOutput` • `TableauOnline` • `TableauHyperOutput` • `Zendesk` .		

Data Connector

An Analytics data connector.

Properties

DataConnector inherits properties from the abstract BaseAssetReference. These base properties appear in DataConnector alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`connection Properties`	ConnectionProperty Value[]	The connection properties. These are name and value pairs.	Small, 39.0	39.0
`connector Handler`	ConnectWaveData ConnectorHandler Enum	The connector handler associated with the Analytics connector. Valid values are: • `Base` • `Legacy`	Small, 52.0	52.0
`connectorType`	ConnectWaveData ConnectorType Enum	The type of Analytics connector. Valid values are: • `AmazonAthena` • `AmazonRedshiftOutput` • `AmazonS3` • `AmazonS3Output` • `AmazonS3Private` • `AwsRdsAuroraMySQL` • `AwsRdsAuroraPostgres` • `AwsRdsMariaDB` • `AwsRdsMySQL` • `AwsRdsPostgres` • `AwsRdsSqlServer`	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `AzureDataLakeGen2Output`		
		• `AzureSqlDatabase`		
		• `AzureSqlDatawarehouse`		
		• `Databricks (Beta)`		
		• `GoogleAnalytics4`		
		• `GoogleBigQuery`		
		• `GoogleBigQueryDirect`		
		• `GoogleBigQueryStandard SQL`		
		• `GoogleSpanner`		
		• `HerokuPostgres`		
		• `HubSpot`		
		• `MarketoV2`		
		• `NetSuite`		
		• `OracleEloqua`		
		• `Redshift`		
		• `RedshiftPrivate`		
		• `SalesforceExternal`		
		• `SalesforceMarketingCloud OAuth2`		
		• `SapHanaCloud`		
		• `SfdcLocal`		
		• `SnowflakeComputing`		
		• `SnowflakeDirect`		
		• `SnowflakeOutput`		
		• `SnowflakePrivate`		
		• `SnowflakePrivateOutput`		
		• `TableauOnline`		
		• `TableauHyperOutput`		
		• `Zendesk`		
		.		
`folder`	AssetReference	The folder for the live connection.	Small, 49.0	49.0
`ingestion Schedule`	Schedule	Schedule for the Analytics connector data sync.	Small, 43.0	43.0

Property Name	Type	Description	Filter Group and Version	Available Version
target Connector	AssetReference	The target connector associated with the current source connector.	Small, 50.0	50.0

SEE ALSO:

Data Connector Resource

Data Connectors List Resource

Dataflow Collection

A collection of Analytics dataflows.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataflows	Dataflow[]	A collection of dataflows.	Small, 37.0	37.0

SEE ALSO:

Dataflows List Resource

Dataflow Job Collection

A collection of Analytics dataflow jobs.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataflowJobs	DataflowJob	A list of dataflow jobs.	Small, 42.0	42.0
nextPageUrl	String	The URL to get the next page of results.	Small, 51.0	51.0
url	String	The URL to get the collection.	Small, 42.0	42.0

SEE ALSO:

Dataflow Jobs List Resource

Dataflow Job

An Analytics dataflow job.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataflow	AssetReference	The dataflow run by this dataflow job.	Small, 42.0–45.0	42.0–45.0, **Removed in 46.0**
duration	Integer	The run time, in seconds, of a dataflow job.	Small, 42.0	42.0
endDate	Date	The end time of a job's execution.	Small, 55.0	55.0
events	JobEventCollection	The events for this dataflow job.	Small, 60.0	60.0
executedDate	Date	The start date and time of a job's execution.	Small, 46.0	46.0
inputNodes	DataflowNode Collection	The input nodes for this dataflow job.	Small, 55.0	55.0
jobType	ConnectJobType Enum	The type of job. Valid values are: • `DataCloudRecipe` • `DataSync` • `FileUpload` • `Internal` • `Orchestrated` • `Recipe` • `Recipe_V3` • `Report` • `Restore` • `User`	Small, 46.0	46.0
license Attributes	LicensesAttributes	The Analytics license type and other properties.	Small, 51.0	51.0
message	String	The error or informational message of a dataflow job.	Small, 42.0	42.0
nextRunDate	Date	The next time to run a job.	Small, 55.0	55.0
nodesUrl	String	The URL to the collection of dataflow job nodes.	Small, 50.0	50.0
outputNodes	DataflowNode Collection	The output nodes for this dataflow job.	Small, 55.0	55.0
progress	Double	The progress of a job.	Small, 46.0	46.0
retryCount	Integer	The number of retries for a job.	Small, 55.0	55.0
source	AssetReference	The source of a job.	Small, 46.0	46.0
startDate	Date	The start date of the dataflow job.	Small, 42.0	42.0

Property Name	Type	Description	Filter Group and Version	Available Version
status	ConnectWave DataflowJobStatus Enum	The runtime status of a dataflow job. Valid values are: • `Cancelled` • `Failure` • `Preprocessing` • `Queued` • `Running` • `Success` • `Warning`	Small, 42.0	42.0
syncDataflows	DataflowCollection	The dataflows to sync when the job is triggered.	Small, 50.0	50.0
transform Nodes	DataflowNode Collection	The transform nodes for this dataflow job.	Small, 57.0	57.0
waitTime	Integer	The wait time in seconds before the start of a dataflow job execution.	Small, 53.0	53.0

SEE ALSO:

Dataflow Jobs List Resource

Dataflow Job Resource

Dataflow Job Node Collection

The collection of nodes for an Analytics dataflow job.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nodes	DataflowJobNode[]	A list of dataflow job nodes.	Small, 50.0	50.0
url	String	The URL to get the collection.	Small, 50.0	50.0

SEE ALSO:

Dataflow Jobs Nodes List Resource

Dataflow Job Node

A node in a dataflow job.

Properties

DataflowJobNode inherits properties from the abstract BaseWaveAsset. These base properties appear alongside DataflowJobNode specific properties in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
duration	Integer	The run time in seconds of a node.	Small, 50.0	50.0
errorLogUrl	String	The URL to download the error log blob.	Small, 50.0	50.0
inputRows	NodeRowCount	The count of input rows to a node.	Small, 50.0	50.0
message	String	The error or informational message of a node	Small, 50.0	50.0
nodeType	ConnectWaveElt NodeActionEnum	The node type. Valid values are: • Append • Augment • BinDigest • ComputeExpression • ComputeRelative • CsvDigest • Dataset • DeleteRows • Delta • Digest • Dim2Mea • Export • Filter • Flatten • IndexDim • Internal • Prediction • RecipeExport • RecipeTransforms • Register • SfdcFetch • SliceDataset • SobjectDigest • Update	Small, 50.0	50.0
outputRows	NodeRowCount	The count of output rows to a node.	Small, 50.0	50.0
startDate	Date	The start date of a node.	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
status	ConnectWave DataflowJobNode StatusEnum	The run-time status of the node. Valid values are: • `Aborted` • `Error` • `Pending` • `Running` • `Success` • `Warning`	Small, 50.0	50.0

SEE ALSO:

Dataflow Jobs Node Resource

Dataflow Node Collection

The collection of nodes for an Analytics dataflow.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nodes	DataflowNode[]	A list of dataflow nodes.	Small, 55.0	55.0
totalRowCount	Long	The sum of rows count.	Small, 55.0	55.0
totalSizeIn Bytes	Long	The sum of the collection size.	Small, 55.0	55.0

Dataflow Node

A node in an dataflow.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
columnCount	Long	The count of columns.	Small, 55.0	55.0
endDate	Date	The end time for the node execution.	Small, 55.0	55.0
errorMessage	String	The error message for this dataflow job.	Small, 57.0	57.0
label	String	The label of the node source.	Small, 57.0	57.0

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the node source.	Small, 55.0	55.0
outputRow Count	Long	The count of rows output by the node.	Small, 57.0	57.0
outputSizeIn Bytes	Long	The size of the node output.	Small, 57.0	57.0
rowCount	Long	The count of rows.	Small, 55.0	55.0
sizeInBytes	Long	The size of the node.	Small, 55.0	55.0
startDate	Date	The start time for the node execution.	Small, 55.0	55.0
status	ConnectWave DataflowJobStatus Enum	The status of the job runnsing the node. Valid values are: • `Cancelled` • `Failure` • `Preprocessing` • `Queued` • `Running` • `Success` • `Warning`	Small, 57.0	57.0

Dataflow

An Analytics dataflow.

Properties

Dataflow inherits properties from the abstract BaseWaveAsset. These base properties appear alongside Dataflow specific properties in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
definition	Object	The representation of the dataflow nodes.	Small, 50.0	50.0
email Notification Level	ConnectEmail NotificationLevel Enum	Valid types of email notification levels you can set. Valid values are: • `Always` • `Failures` • `Never` • `Warnings`	Small, 42.0	42.0

Property Name	Type	Description	Filter Group and Version	Available Version
historiesUrl	String	The URL that retrieves the dataflow histories associated with this dataflow.	Small, 46.0	46.0
nextScheduled Date	Date	The time of the next scheduled run, in ISO8601 date format.	Small, 42.0	42.0
schedule Attributes	String	The schedule details for the dataflow, which includes the frequency and start time.	Small, 42.0	42.0

SEE ALSO:

Dataflow Resource

Data Lake Object Field Type

The data lake object field type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	String	The data lake object field data type when a default field isn't supplied. Valid values are: • string • number • date_time • date	Small, 58.0	58.0

Data Lake Object Type

The data lake object type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Data Model Object Field Type

The data model object field type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	String	The data model object field data type when a default field isn't supplied. Valid values are: • string • number • date_time • date	Small, 58.0	58.0

Data Model Object Type

The data model object type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Any Field Type

The dataset generic field type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Collection

A collection of datasets.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
datasets	Dataset[]	The list of datasets available to the current user.	Small, 36.0	36.0
nextPageUrl	String	The URL to retrieve the next page of contents in the collection.	Small, 36.0	36.0
totalSize	Integer	The total count of the elements in the collection, including all pages.	Medium, 36.0	36.0
url	String	The URL to retrieve the collection.	Small, 36.0	36.0

SEE ALSO:

Datasets List Resource

Dataset Coverage

The security coverage for a specific dataset version.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataset Version	DatasetVersion Reference	The dataset version for which the coverage information applies.	Small, 41.0	41.0
sources	DatasetSource[]	The source objects for the dataset version.	Small, 41.0	41.0
url	String	The URL for retrieving this information.	Small, 41.0	41.0

SEE ALSO:

Security Coverage Dataset Version Resource

Dataset Date Type

The date in a dateset type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Dimension Type

The dimension in a dateset type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Measure Type

The measure in a dateset type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Type

The dateset type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Dataset Source

The source object used to create a dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
object	ObjectCoverage	The source object for a dataset.	Small, 41.0	41.0
security Fields	String[]	The dataset fields relevant to security for the object.	Small, 41.0	41.0

Dataset Version Collection

A collection of versions for an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The URL to retrieve the collection.	Small, 36.0	36.0
versions	DatasetVersion[]	The collection of dataset versions for a particular dataset.	Small, 36.0	36.0

SEE ALSO:

Dataset Versions List Resource

Dataset Version Reference

The dataset version the coverage information applies to.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataset	AssetReference	A reference to the dataset.	Small, 41.0	41.0
id	String	The 18 character ID of the dataset version.	Small, 41.0	41.0
url	String	The asset URL.	Small, 41.0	41.0

Dataset Version

A specific version of an Analytics dataset.

Properties

DatasetVersion inherits properties from the abstract BaseWaveAsset. These base properties appear in DatasetVersion alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
dataset	AssetReference	A reference to the dataset.	Small, 36.0	36.0
files	WaveFileMetadata[]	The list of information about the data files that make up the dataset version.	Medium, 36.0	36.0
filesUrl	String	The URL of the files resource for this dataset version.	Small, 36.0	36.0
predicate	String	The row-level security predicate. Only returned if the predicate is set in the input request.	Small, 36.0	36.0

273

Property Name	Type	Description	Filter Group and Version	Available Version
predicate Version	Double	The version of the row-level security predicate. Only returned if the predicate is set in the input request.	Small, 36.0	36.0
security CoverageUrl	String	The dataset sharing inheritance coverage information resource.	Small, 41.0	41.0
sharingSource	AssetReference	The entity from which sharing rules will be inherited for the dataset version.	Small, 40.0	40.0
source	AssetReference	The parent dataflow or file for the dataset version..	Small, 44.0	44.0
totalRows	Integer	The total number of rows for the dataset version.	Small, 40.0	40.0-52.0
totalRowCount	Integer	The total number of rows for the dataset version.	Small, 53.0	53.0
xmdMain	Xmd	The Xmd for this dataset version.	Medium, 36.0	36.0
xmdsUrl	String	The URL of the Xmd collection resource for this dataset version.	Small, 36.0	36.0

SEE ALSO:

Dataset Version Resource

Dataset

An Analytics dataset.

Properties

Dataset inherits properties from the abstract BaseWaveAsset. These base properties appear in Dataset alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
clientShards Url	String	The URL for the dataset shards.	Small, 36.0	36.0
current Version CreatedBy	WaveUser	The creator of the current version of the dataset. Only returned if the filterGroup input parameter is set to Supplemental.	Supplemental, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
current Version CreatedDate	Date	The time at which the current version of the dataset was created, in ISO8601 date format. Only returned if the `filterGroup` input parameter is set to `Supplemental`.	Supplemental, 36.0	36.0
current VersionId	ID	The 18-character ID of the current dataset version.	Small, 36.0	36.0
current VersionLast ModifiedBy	WaveUser	The user who last updated the current version of the dataset. Only returned if the `filterGroup` input parameter is set to `Supplemental`.	Supplemental, 36.0	36.0
current VersionLast ModifiedDate	Date	The last time the current version of the dataset was modified, in ISO8601 date format. Only returned if the `filterGroup` input parameter is set to `Supplemental`.	Supplemental, 36.0	36.0
current Version Predicate	SecurityPredicate	The security predicate information for the current version of the dataset.	Small, 59.0	59.0
current Version Sharing Inheritance	SharingInheritance	The sharing inheritance information for the current version of the dataset.	Small, 59.0	59.0
current Version SupportsNew Dates	Boolean	Indicates whether the current dataset version supports new date formats (`true`) or not (`false`).	Supplemental, 52.0	52.0
current VersionTotal Rows	Integer	The total number of rows in the dataset.	Supplemental, 42.0	42.0-52.0
current VersionTotal RowCount	Integer	The total number of rows in the dataset.	Small, 53.0	53.0
current VersionUrl	String	The URL for the current dataset version.	Small, 36.0	36.0
dataRefresh Date	Date	The last time this dataset was updated.	Small, 40.0	40.0
datasetType	ConnectWave DatasetTypeEnum	The type of the dataset. Valid values are: • `Default` • `Live`	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `StagedData` • `Trended`		
`folder`	AssetReference	The reference to the folder in which this dataset is stored.	Small, 36.0	36.0
`lastMetadata ChangedDate`	Date	The last time the metadata (folder, label, current, sharing, or security predicate) of this dataset was changed.	Small, 51.0	51.0
`lastQueried Date`	Date	The last time this dataset was queried.	Small, 39.0	39.0
`license Attributes`	LicenseAttributes	The Analytics license attributes associated with this dataset.	Small, 52.0	52.0
`live Connection`	LiveConnection	The live connection details for the dataset.	Small, 50.0	50.0
`userXmd`	Xmd	The associated user XMD.	Medium, 36.0	36.0
`versionsUrl`	String	The URL for dataset versions.	Small, 36.0	36.0
`visibility`	ConnectWaveAsset VisibilityType	Indicates whether the dataset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Small, 51.0	51.0

SEE ALSO:

Datasets List Resource

Dataset Resource

Date Time Type

The date time type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Dependency

An Analytics asset dependency.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assetSharing Url	String	The sharing URL for an asset.	Small, 36.0	36.0
components	Dependency Collection	The components that depend on the asset.	Small, 46.0	46.0
dashboards	Dependency Collection	The dashboards that depend on the asset.	Small, 36.0	36.0
datasets	Dependency Collection	The datasets that depend on the asset.	Small, 36.0	36.0
folder	AssetReference	The folder containing the asset.	Small, 36.0	36.0
id	String	The 18-character asset ID.	Small, 36.0	36.0
lastAccessed Date	Date	The time at which the asset was last accessed.	Small, 36.0	39.0
lastModified By	WaveUser	The user who last modified the asset.	Small, 36.0	36.0
lastModified Date	Date	The last time the asset was modified, in ISO8601 date format.	Small, 36.0	36.0
lenses	Dependency Collection	The lenses that depend on the asset.	Small, 36.0	36.0
name	String	The name of the asset.	Small, 36.0	36.0
recipes	Dependency Collection	The recipes that depend on the asset.	Small, 44.0	44.0
type	ConnectWaveAsset TypeEnum	The asset type. Valid values are • `Collection` • `Component` • `ContextualDashboard` • `Dashboard` • `DashboardSavedView` • `DashboardSnapshot` • `DataCloudReport` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset`	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent` • `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `TableauDashboard` • `TableauWorkbook` • `Template` • `Widget` • `Workflow`		
`url`	String	The URL to retrieve the definition of the asset.	Small, 36.0	36.0
`workflows`	Dependency Collection	The dataflows that depend on the asset.	Small, 36.0	36.0

SEE ALSO:

Dependencies Resource

Dependency Collection

A collection of Analytics asset dependencies.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`dependencies`	Dependency[]	The list of dependencies for an asset.	Small, 36.0	36.0
`totalreSize`	Integer	The total count of the dependencies.	Small, 36.0	36.0

Directory Item Collection

A collection of directory items.

JSON example

```
{
    "auto-install-requests" : "/services/data/v54.0/wave/auto-install-requests",
    "dashboards" : "/services/data/v54.0/wave/dashboards",
    "dataConnectorTypes" : "/services/data/v54.0/wave/dataConnectorTypes",
    "dataConnectors" : "/services/data/v54.0/wave/dataConnectors",
    "dataflowjobs" : "/services/data/v54.0/wave/dataflowjobs",
    "datasets" : "/services/data/v54.0/wave/datasets",
    "folders" : "/services/data/v54.0/wave/folders",
    "limits" : "/services/data/v54.0/wave/limits",
    "lenses" : "/services/data/v54.0/wave/lenses",
    "query" : "/services/data/v54.0/wave/query",
    "recipes" : "/services/data/v54.0/wave/recipes",
    "replicatedDatasets" : "/services/data/v54.0/wave/replicatedDatasets",
    "schedules" : "/services/data/v54.0/wave/watchlist/schedules",
    "templates" : "/services/data/v54.0/wave/templates",
    "trendedreports" : "/services/data/v54.0/wave/trendedreports"
}
```

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
auto-install -requests	String	URL of the auto-install requests resource for the organization.	Small, 50.0	50.0
dashboards	String	URL of the dashboards resource for the organization.	Small, 36.0	36.0
dataConnector Types	String	URL of the dataConnectorTypes resource for the organization.	Small, 39.0	39.0
data Connectors	String	URL of the dataConnectors resource for the organization.	Small, 39.0	39.0
dataflowjobs	String	URL of the dataflowjobs resource for the organization.	Small, 42.0	42.0
datasets	String	URL of the datasets resource for the organization.	Small, 36.0	36.0
folders	String	URL of the folders resource for the organization.	Small, 36.0	36.0
limits	String	URL of the limits resource for the organization	Small, 51.0	51.0
lenses	String	URL of the lenses resource for the organization.	Small, 36.0	36.0
query	String	URL of the query resource for the organization.	Small, 36.0	36.0
recipes	String	URL of the recipes resource for the organization.	Small, 38.0	38.0
replicated Datasets	String	URL of the replicatedDatasets resource for the organization.	Small, 37.0	37.0

Property Name	Type	Description	Filter Group and Version	Available Version
schedules	String	URL of the watchlist schedules resource for the organization.	Small, 48.0	48.0
templates	String	URL of the templates resource for the organization.	Small, 36.0	36.0
trended reports	String	URL of the trendedreports resource for the organization.	Small, 37.0	37.0

SEE ALSO:

Wave Resource

Display Message

The display message for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
location	String	The name of the page where the text is to be displayed.	Small, 36.0	36.0
text	String	The text content to display.	Small, 36.0	36.0

Empty Schedule

Specify an empty schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Event Driven Schedule

Specify an event-driven schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Property Name	Type	Description	Filter Group and Version	Available Version
triggerRule	String	The expression defining the events that trigger the schedule of the target asset.	Small, 52.0	52.0

Featured Assets

The featured assets.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assets	TypedAsset Reference[]	The list of featured assets.	Small, 39.0	39.0

Group Box Item

A group box item on a panel for an Analytics template wizard page.

Properties

Inherits properties from Panel Item.

Property Name	Type	Description	Filter Group and Version	Available Version
description	String	The description for the group.	Small, 59.0	59.0
item	PanelItem[]	A list of items in the group.	Small, 59.0	59.0
title	String	The title for the group.	Small, 59.0	59.0

Guidance Panel

The guidance panel for a template configuration wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundImage	AssetReference	The optional background image for the guidance panel on a template wizard page.	Small, 59.0	59.0
items	PanelItem[]	A list of items to display for the guidance page on a template wizard page.	Small, 59.0	59.0
title	String	The title for the guidance panel on a template wizard page.	Small, 59.0	59.0

281

Header

The header for an Analytics template wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
description	String	The detail description for the page.	Small, 56.0	56.0
text	String	The title for the header.	Small, 56.0	56.0

Hourly Schedule

Specify an hourly schedule for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectWaveDayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Small, 40.0	40.0
hourlyInterval	Integer	Number of hours in between queuing or scheduling of an asset.	Small, 40.0	40.0
lastHour	Integer	Hour of day at which the schedule stops queuing the asset for processing.	Small, 40.0	40.0

Geo Data Collection

A collection of the geo data used by a map.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
geoData	GeoData[]	A list of the geodata.	Small, 38.0	38.0

SEE ALSO:

Charts Geodata List Resource

Geo Data

The geo data used by a map.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID of the geodata record.	Small, 38.0	38.0
label	String	The geodata label.	Small, 38.0	38.0
name	String	The geodata developer name.	Small, 38.0	38.0
namespace	String	The namespace that qualifies the geodata.	Small, 39.0	39.0
type	ConnectEclairGeoDataTypeEnum	The type of geodata. Valid values are: • GeoJSON	Small, 38.0	38.0
url	String	The url to retrieve the geodata.	Small, 38.0	38.0

SEE ALSO:

Charts Geodata List Resource

Charts Geodata Resource

Image Asset Reference

A image asset for Analytics.

Properties

ImageAssetReference inherits properties from the abstract BaseAssetReference. These base properties appear in ImageAssetReference alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
description	String	The image description.	Small, 44.0	44.0

Image Item

An image item on a panel for an Analytics template wizard page.

Properties

Inherits properties from Panel Item.

Property Name	Type	Description	Filter Group and Version	Available Version
image	AssetReference	The asset reference for the image.	Small, 56.0	56.0

Job Event Collection

A collection of audit events for jobs, like recipe start or dataflow cancelled.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
events	JobEvent[]	The list of audit events for a job.	Small, 60.0	60.0

Job Event

An audit events for a job, like recipe start or dataflow cancelled.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdBy	WaveUser	The user that created the event.	Small, 60.0	60.0
createdDate	Date	The date and time an event was created.	Small, 60.0	60.0
eventType	DataPlatformAudit TypeEnum	The type of of audit event. Valid values are: • `JobCancelled` (Job was canceled by a user) • `JobRunEventBased` (Job was run on an event-based schedule) • `JobRunManual` (Job was run manually)	Small, 60.0	60.0

284

Property Name	Type	Description	Filter Group and Version	Available Version
		• `JobRunTimeBased` (Job was run on an time-based schedule)		
		• `JobScheduleModified` (Job schedule was modified)		
		• `JobScheduled` (Job was scheduled)		
		• `JobUnscheduled` (Job was unscheduled)		

Json Transformation

The transformed JSON after processing the transformation rules.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`document`	Map<String, Object>	The arbitrary JSON document result after the constants, rules, and macros have been applied.	Small, v43.0	43.0

SEE ALSO:

[JsonXform Transformation Resource](#)

Layout

The base layout for an Analytics template wizard page.

Properties

Inherited by CustomComponentLayout, SingleColumnLayout and TwoColumnLayout

Property Name	Type	Description	Filter Group and Version	Available Version
`header`	Header	The header information for the page.	Small, 56.0	56.0
`type`	LayoutTypeEnum	The layout type. Valid values are: • `Component` • `SingleColumn` • `TwoColumn`	Optional	52.0

Lens Collection

A collection of Analytics lenses.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
lenses	Lens[]	The list of lenses available to the current user.	Small, 36.0	36.0
nextPageUrl	String	The URL to retrieve the next page of contents in the collection.	Small, 36.0	36.0
totalSize	Integer	The total count of the elements in the collection, including all pages.	Medium, 36.0	36.0
url	String	The URL to retrieve the collection.	Small, 36.0	36.0

SEE ALSO:

Lenses List Resource

Lens File

A file used to generate a lens.

Inherits properties from Base File.

Lens Source Asset

A contextual representation of an Analytics lens.

Properties

LensSourceAsset inherits properties from the abstract BaseWaveAsset.

Parameter Name	Type	Description	Filter Group and Version	Available Version
dashboardId	ID	The 18-character id of a dashboard.	Small, 58.0	58.0
savedView	AssetReference on page 230	The saved view of a dashboard.	Small, 58.0	58.0

Lens State

The state for an Analytics lenses.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
options	LensVisualization Option	The configuration options for different lens visualizations. Valid values are: • BarLensVisualizationOptions • ComparisonTableLensVisualization Options • DotLensVisualizationOptions • HeatMapLensVisualizationOptions • MatrixLensVisualizationOptions • ParallelCoordsLensVisualizationOptions • PieLensVisualizationOptions • PivotTableLensVisualizationOptions • ScatterLensVisualizationOptions • StackedBarLensVisualizationOptions • TableLensVisualizationOptions • TimeLensVisualizationOptions • ValuesTableLensVisualizationOptions	Small, 36.0	36.0
query	Query	The SAQL query used to create this lens.	Small, 36.0	36.0

BarLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
legend	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
maxColumn Width	Integer	The maximum width of the header column.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
minColumn Width	Integer	The minimum width of the header column.	Small, 36.0	36.0
miniBars	Integer	The width of the mini-bars, if used.	Small, 36.0	36.0
multiMetrics	Boolean	Indicates whether multiple measures are projected on the same chart, side by side, or if every measure is in its own chart.	Small, 36.0	36.0
splitAxis	Boolean	Indicates whether each measure is projected on one axis or if all measures share an axis.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0
trellis	Boolean	Indicates whether the last group is treated as a trellis dimension or not. Every distinct value of the dimension is a chart.	Small, 36.0	36.0

ComparisonTableLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
maxColumn Width	Integer	The maximum width of the header column.	Small, 36.0	36.0
minColumn Width	Integer	The minimum width of the header column.	Small, 36.0	36.0
subtotals	Boolean	Indicates whether to display subtotals in the table or not.	Small, 48.0	48.0
totals	Boolean	Indicates whether to display totals in the table or not.	Small, 36.0	36.0

DotLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
fit	Boolean	Indicates whether to scale the position and size of a data shape so that it's proportional to its percentage of its category or not.	Small, 36.0	36.0
legend	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

HeatMapLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

MatrixLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

ParallelCoordsLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
fit	Boolean	Indicates whether to scale the position and size of a data shape so that it's proportional to its percentage of its category or not.	Small, 36.0	36.0
legend	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

PieLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

PivotTableLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
columnTotals	Boolean	Indicates whether to display column totals in the table (`true`) or not (`false`).	Small, 55.0	55.0
maxColumn Width	Integer	The maximum width of the header column.	Small, 36.0	36.0
minColumn Width	Integer	The minimum width of the header column.	Small, 36.0	36.0
rowTotals	Boolean	Indicates whether to display row totals in the table (`true`) or not (`false`).	Small, 55.0	55.0
totals	Boolean	Indicates whether to display totals in the table or not.	Small, 36.0	36.0

ScatterLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
`fit`	Boolean	Indicates whether to scale the position and size of a data shape so that it's proportional to its percentage of its category or not.	Small, 36.0	36.0
`legend`	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0
`legendHide Header`	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
`legendWidth`	Integer	The width of the legend.	Small, 36.0	36.0
`sqrt`	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

StackedBarLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
`legend`	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0
`legendHide Header`	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
`legendWidth`	Integer	The width of the legend.	Small, 36.0	36.0
`maxColumn Width`	Integer	The maximum width of the header column.	Small, 36.0	36.0
`minColumn Width`	Integer	The minimum width of the header column.	Small, 36.0	36.0
`miniBars`	Integer	The width of the mini-bars, if used.	Small, 36.0	36.0
`normalize`	Boolean	Indicates whether to scale the position and size of data shape so that it's proportional to its percentage of its category or not.	Small, 36.0	36.0
`sqrt`	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

TableLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
columnTotals	Boolean	Indicates whether to display column totals in the table (true) or not (false).	Small, 55.0	55.0
subtotals	Boolean	Indicates whether to display subtotals in the table or not.	Small, 48.0	48.0
rowTotals	Boolean	Indicates whether to display row totals in the table (true) or not (false).	Small, 55.0	55.0
totals	Boolean	Indicates whether to display totals in the table or not.	Small, 36.0	36.0

TimeLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
legend	Boolean	Indicates whether to display the legend or not.	Small, 36.0	36.0
legendHide Header	Boolean	Indicates whether to hide the legend header or not.	Small, 36.0	36.0
legendWidth	Integer	The width of the legend.	Small, 36.0	36.0
multiMetrics	Boolean	Indicates whether multiple measures are projected on the same chart, side by side, or if every measure is in its own chart.	Small, 36.0	36.0
sqrt	Boolean	Indicates whether the axis is sqrt scale or not.	Small, 36.0	36.0

ValuesTableLensVisualizationOptions

Property Name	Type	Description	Filter Group and Version	Available Version
hideHeader Column	Boolean	Indicates whether to display header column or not.	Small, 36.0	36.0
maxColumn Width	Integer	The maximum width of the header column.	Small, 36.0	36.0
minColumn Width	Integer	The minimum width of the header column.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
`totals`	Boolean	Indicates whether to display totals in the table or not.	Small, 36.0	36.0

Query

Property Name	Type	Description	Filter Group and Version	Available Version
`aggregate Filters`	Object	The query aggregate filters.	Small, 48.0	48.0
`limit`	Object	The query limit.	Small, 48.0	48.0
`orders`	Object	The query orders.	Small, 48.0	48.0
`pivotTotals`	String	The query pivot totals.	Small, 55.0	55.0
`query`	String	The SAQL query text.	Small, 36.0	36.0
`sourceFilters`	CompactFormFilter	The query source filters.	Small, 48.0	48.0
`sources`	CompactFormSource	The query sources.	Small, 48.9	48.0
`totals`	String	The query totals.	Small, 55.0	55.0
`version`	Double	The version of this query.	Small, 36.0	36.0

CompactFormFilter

Property Name	Type	Description	Filter Group and Version	Available Version
`booleanFilter Logic`	String	The boolean filter logic.	Small, 49.0	49.0
`filters`	Object	The list of filters.	Small, 48.0	48.0

CompactFormSource

Property Name	Type	Description	Filter Group and Version	Available Version
`cogroupType`	ConnectWave CompactForm CogroupTypeEnum	The compact form source cogroup type. Valid values are: • Anti • Inner	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Left		
		• Outer		
		• Right		
		• Semi		
columns	CompactForm Column on page 294	The compact form source columns.	Small, 48.0	48.0
groups	Object	The compact form source groups.	Small, 48.0	48.0
filters	Object	The compact form source column filters.	Small, 52.0	52.0
name	String	The compact form source name.	Small, 48.0	48.0

CompactFormColumn

Property Name	Type	Description	Filter Group and Version	Available Version
field	Object	The compact form column field.	Small, 48.0	48.0
formula	String	The compact form column formula.	Small, 48.0	48.0
name	String	The name of the compact form column.	Small, 48.0	48.0

Lens

Am Analytics lenses.

Properties

Lens inherits properties from the abstract Base Templated Asset. These base properties appear in Lens alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
allowPreview	Boolean	Indicates whether the user is allowed to preview the lens.	Small, 36.0	36.0
dataset	AssetReference	**DEPRECATED** A reference to the dataset used to create this lens.	Small, 36.0	36.0-42.0
datasets	AssetReference[]	A list of the datasets that the lens uses.	Small, 43.0	43.0

Property Name	Type	Description	Filter Group and Version	Available Version
dateVersion	Integer	The version of dates used by the lens. Valid values are: • 1 • 2	Small, 44.0	44.0
files	LensFile[]	The list of the lens files.	Medium, 36.0	36.0
filesUrl	String	The URL to the lens files.	Small, 36.0	36.0
folder	AssetReference	A reference to the folder in which this lens is stored.	Small, 36.0	36.0
historiesUrl	String	The URL for the lens histories associated with this lens.	Small, 44.0	44.0
refreshDate	Date	The date of the most recent current dataset that is used by the lens, in ISO8601 date format.	Small, 36.0	36.0
state	LensState	The state of the lens.	Big, 36.0	36.0
visibility	ConnectWaveAsset VisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • All (Show all assets) • Limited (Hide assets from viewers with view access)	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
visualization Type	String	The visualization type used for this lens. Valid values are: Valid values are: • `Bullet` • `CalendarHeatMap` • `Combo` • `ComparisonTable` • `Flatgauge` • `Gauge` • `HeatMap` • `HorizontalBar` • `HorizontalDot` • `Line` • `Matrix` • `ParallelCoordinates` • `Pie` • `PivotTable` • `Polargauge` • `Pyramid` • `Rating` • `Scatter` • `StackWaterfall` • `StackedHorizontalBar` • `StackedVerticalBar` • `Time` • `TimeBar` • `TimeCombo` • `ValuesTable` • `VerticalBar` • `VerticalDot` • `Waterfall`	Small, 36.0	36.0

SEE ALSO:

Lenses List Resource

Lens Resource

License Attributes

The Analytics license attributes.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectAnalytics LicenseTypeEnum	The Analytics license type. Valid values are: • `Cdp` (Data 360) • `DataPipelineQuery` (Data Pipeline Query) • `EinsteinAnalytics` (CRM Analytics) • `IntelligentApps` (Intelligent Apps) • `Sonic` (Salesforce Data Pipeline)	Small, 51.0	51.0

Link Asset Destination

A link to an Analytics asset.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
name	String	The destination asset name.	Small, 48.0	48.0
namespace	String	The destination asset namespace.	Small, 48.0	48.0
pageName	String	The destination asset page name.	Small, 48.0	48.0
savedViewId	String	The dashboard saved view ID.	Small, 48.0	48.0
widgetId	String	The widget ID.	Small, 48.0	48.0

Link Box Item

A link box item on a panel for an Analytics template wizard page.

Properties

Inherits properties from Panel Item.

Property Name	Type	Description	Filter Group and Version	Available Version
icon	String	The icon for the link.	Small, 59.0	59.0
text	String	The text for the link.	Small, 59.0	59.0
title	String	The title for the link box.	Small, 59.0	59.0
url	String	The URL for the link.	Small, 59.0	59.0

Literal Json

A string of JSON content results, usually for a query response.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
json	String	The JSON content to be serialized	Small, 36.0	36.0

SEE ALSO:

Query Resource

Live Connection

The connection details of an Analytics live dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
connection Label	String	The label of the live connection.	Small, 50.0	50.0
connection Name	String	The developer name of the live connection.	Small, 50.0	50.0
connection Type	ConnectWaveData ConnectorType Enum	The type of Analytics connector. Valid values are: • AmazonAthena • AmazonRedshiftOutput • AmazonS3 • AmazonS3Output • AmazonS3Private	Small, 53.0	53.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `AwsRdsAuroraMySQL`		
		• `AwsRdsAuroraPostgres`		
		• `AwsRdsMariaDB`		
		• `AwsRdsMySQL`		
		• `AwsRdsPostgres`		
		• `AwsRdsSqlServer`		
		• `AzureDataLakeGen2Output`		
		• `AzureSqlDatabase`		
		• `AzureSqlDatawarehouse`		
		• `Databricks (Beta)`		
		• `GoogleAnalytics4`		
		• `GoogleBigQuery`		
		• `GoogleBigQueryDirect`		
		• `GoogleBigQueryStandard SQL`		
		• `GoogleSpanner`		
		• `HerokuPostgres`		
		• `HubSpot`		
		• `MarketoV2`		
		• `NetSuite`		
		• `OracleEloqua`		
		• `Redshift`		
		• `RedshiftPrivate`		
		• `SalesforceExternal`		
		• `SalesforceMarketingCloud OAuth2`		
		• `SapHanaCloud`		
		• `SfdcLocal`		
		• `SnowflakeComputing`		
		• `SnowflakeDirect`		
		• `SnowflakeOutput`		
		• `SnowflakePrivate`		
		• `SnowflakePrivateOutput`		
		• `TableauOnline`		
		• `TableauHyperOutput`		
		• `Zendesk`		
		.		

Property Name	Type	Description	Filter Group and Version	Available Version
sourceObject Name	String	The source object name for the live connection.	Small, 50.0	50.0

Macro Definition

A macro definition that is part of a larger macro for a JSON transformation rule.

Properties

Parameter Name	Type	Description	Required or Optional	Available Version
actions	ActionInpu[]	A list of actions for the macro.	Required	43.0
description	String	The description of the macro.	Optional	43.0
name	String	The name of the macro.	Required	43.0
parameters	String[]	A list of parameters for the macro.	Required	43.0
returns	Object	The returns of evaluated expression results of the macro when the action is `eval`.	Optional	43.0

Map Collection

A collection of maps.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
maps	Map[]	The list of the maps.	Small, 38.0	38.0

SEE ALSO:

Charts Maps List Resource

Map

A map object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
boundingBox	BoundingBox	The bounding box of the geo map	Small, 38.0	39.0
createdBy	User	The creator of the map	Small, 38.0	38.0
createdDate	Date	The date when this map was created	Small, 38.0	38.0
geoData	GeoData	The geo data of the map	Small, 38.0	38.0
id	String	The 18 character map ID	Small, 38.0	38.0
label	String	The map label	Small, 39.0	39.0
name	String	The map developer name.	Small, 39.0	39.0
namespace	String	The namespace that qualifies the map	Small, 39.0	39.0
projection	ConnectEclairMap ProjectionType Enum	The map projection. Valid values are: • `AlbersUSA` • `Equirectangular` • `Mercator`	Small, 38.0	38.0
url	String	The url to the map representation	Small, 38.0	38.0

SEE ALSO:

Charts Maps List Resource

Charts Maps Resource

Minutely Schedule

Specify a schedule that runs multiple times an hour for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday`	Small, 45.0	45.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Saturday • Sunday		
lastHour	Integer	Hour of day at which the schedule stops queuing the asset for processing.	Small, 45.0	45.0
minutely Interval	Integer	Number of minutes in between queuing or scheduling of an asset.	Small, 45.0	45.0

Monthly Relative Schedule

Specify a schedule that runs monthly on a relative day within the month for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectWaveDayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Small, 39.0	39.0
weekInMonth	ConnectWave RelativeWeekEnum	Week within a month. Values values are: • First • Second • Third • Fourth • Last	Small, 39.0	39.0

Monthly Specific Schedule

Specify a schedule that runs monthly on a specific day within the month for an Analytics asset.

Properties

Inherits `notificationLevel`, and `time` from Schedule

302

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfMonth	Integer[]	Days of the month on which the schedule runs (1-31). Months lacking specific days will skip the job.	Small, 39.0	39.0

Navigation Panel

The navigation panel for a template configuration wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
title	String	The title for the navigation panel on a template wizard page.	Small, 59.0	59.0

Notification Action

A notification action for an Analytics subscription.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
configuration	BaseNotification ActionConfiguration	The action configuration. Valid values are: • PostToSlackNotificationAction Configuration • SendToEmailNotificationAction Configuration	Small, 53.0	53.0
type	NotificationAction Type	The notification action type. Valid values are: • PostToSlack • SendEmail	Small, 53.0	53.0

Node Row Count

The node row count for an Analytics dataflow job node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
failedCount	Long	The number of failed rows for the node.	Small, 50.0	50.0
processedCount	Long	The number of processed rows for the node.	Small, 50.0	50.0

Number Type

The number type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Double[]	The restricted list of enumerated numeric values.	Small, 36.0	36.0
enumsLabels	String[]	The optional list of display labels for the enumerated values.	Small, 58.0	58.0
format	NumberTypeFormatEnum	The format for the number type. Valid values are: • Currency • Decimal • Percent • PercentFixed	Small, 59.0	59.0
max	Double	The maximum allowed value of the number.	Small, 36.0	36.0
min	Double	The minimum allowed value of the number.	Small, 36.0	36.0
scale	Integer	The maximum scale of the number where scale defines the digits after the decimal point.	Small, 59.0	59.0

Numeric Separators

The numeric separators for thousands and decimals, used in formatting.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
decimal	String	The decimal separator. Default is the .(period) symbol, but it can be customized via the custom format.	Small, 48.0	48.0
thousands	String	The thousands separator. Default is the ,(comma) symbol, but it can be customized via the custom format.	Small, 48.0	48.0

Object Coverage

The security coverage for a source object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
eligible SharingSource	Boolean	Indicates whether the object is an eligible sharing source or not.	Small, 41.0	41.0
label	String	The label of the object.	Small, 41.0	41.0
name	String	The name of the object.	Small, 41.0	41.0
namespace	String	The namespace of the object.	Small, 41.0	41.0
unsupported Records	UnsupportedRecord Collection	The specific records that are unsupported for sharing inheritance.	Small, 50.0	50.0
url	String	The URL for retrieving this information.	Small, 41.0	41.0

SEE ALSO:

Security Coverage Object Resource

Object Type

The object type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Output Source

The output source for an Analytics replicated dataset, also known as a connected object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
inputRows	Integer	The number of input rows for the sync out operation.	Small, 50.0	50.0
isSyncOut	Boolean	Indicates whether this object represents a sync out connection (`true`) or a recipe output connection (`false`).	Small, 50.0	50.0
nextScheduled Date	Date	The next scheduled run time for the output source.	Small, 50.0	50.0
outputRows	Integer	The number of output rows for the sync out operation.	Small, 50.0	50.0

Page Layout

The page layout definition for an Analytics template.

Properties

Inherited by Configuration Page Layout and Validation Page Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
background Image	AssetReference	The optional background image for the page.	Small, 56.0	56.0
condition	String	A optional condition to specify whether the page should be shown or not. Values must be in client-side EL notation. For example, `{{Variables.selectedOption}}`.	Small, 56.0	56.0
guidancePanel	GuidancePanel	The guidance panel for the page.	Small, 59.0	59.0
helpUrl	String	The URL to help content for this page.	Small, 56.0	56.0
navigation	PageNavigationInfo	The navigation information for this page.	Small, 59.0	59.0
title	String	The title for this page.	Small, 56.0	56.0
type	PageTypeEnum	The page type. Valid values are: • `Configuration`	Small, 59.0	59.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Validation		

Page Navigation Info

The navigation information for a template configuration wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the navigation panel on a template wizard page.	Small, 59.0	59.0
parentLabel	String	The label for the parent page on a template wizard page.	Small, 59.0	59.0

Page

A UI page for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
condition	String	The optional condition to determine if the page is visible or not. Values are client-side EL notation (such as `{{Variables.selectedOption}}`).	Small, 36.0	36.0
helpUrl	String	A URL to this page's help webpage.	Small, 36.0	36.0
title	String	The title for the page.	Small, 36.0	36.0
variables	PageVariable[]	The collection of variables for this template configuration.	Small, 36.0	36.0
vfPage	AssetReference	The Visualforce page to be used as the wizard user interface instead of the standard wizard interface.	Small, 40.0	40.0

Page Variable

An Analytics variable to display on a UI page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of a variable.	Small, 36.0	36.0
visibility	String	The visibility expression for this variable	Small, 36.0	36.0

Panel Item

An item on a panel in a column layout for an Analytics template wizard page.

Properties

Inherited by Group Box Item, Image Item, Link Box Item, Text Item, and Variable Item

Property Name	Type	Description	Filter Group and Version	Available Version
type	PanelItemTypeEnum	The panel item type. Valid values are: • `GroupBox` • `Image` • `LinkBox` • `Text` • `Variable`	Small, 56.0	56.0
visibility	String	The visibility expression for the panel.	Small, 56.0	56.0

Panel

A panel in a column layout for an Analytics template wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
items	PanelItem[]	A list of items for the panel. Valid values are: • ImageItem • TextItem	Small, 56.0	56.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• VariableItem		

Permissions

The user permissions for an Analytics asset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
create	Boolean	Indicates whether the user can create an asset (`true`) or not (`false`).	Small, 45.0	45.0
manage	Boolean	Indicates whether the user can manage access on the asset (`true`) or not (`false`).	Small, 36.0	36.0
modify	Boolean	Indicates whether the user can modify the asset (`true`) or not (`false`).	Small, 36.0	36.0
view	Boolean	Indicates whether the user can view the asset (`true`) or not (`false`).	Small, 36.0	36.0

Post To Slack Notification Action Configuration

The notification action configuration for posting to Slack.

Properties

PostToSlackNotificationActionConfiguration inherits properties from the abstract BaseNotificationActionConfiguration. These base properties appear in PostToSlackNotificationActionConfiguration alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
exclude Snapshot	Boolean	Indicates whether a snapshot is excluded in the dashboard subscription (`true`) or not (`false`).	Small, 54.0	54.0
recipients	CollaborationRoom Notification Recipient[]	The collection of notification recipients.	Small, 53.0	53.0
team	SlackReference	The team of notification recipients.	Small, 53.0	53.0

Property Condition

A condition where the connection property is visible.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
key	String	The name of the select option.	Small, 66.0	66.0
label	String	The label of the select option.	Small, 66.0	66.0
value	String	The values of the select option.	Small, 66.0	66.0

Property Option

A value option for `Select` connection properties.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
propKey	String	A name of the connection property with a condition.	Small, 66.0	66.0
values	String[]	A list of values for the connection property.	Small, 66.0	66.0

Query

A query written in SAQL or compact form.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
aggregate Filters	Object	The query aggregate filters.	Small, 48.0	48.0
columnGroups	Object	The query column groups.	Small, 56.0	56.0
columnTotals	Object	The query column totals.	Small, 56.0	56.0
limit	Object	The query limit.	Small, 48.0	48.0
orders	Object	The query orders.	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
query	String	The SAQL query text.	Small, 36.0	36.0
rowTotals	Object	The query row totals.	Small, 56.0	56.0
sourceFilters	CompactFormFilter	The query source filters.	Small, 48.0	48.0
sources	CompactForm Source	The query sources.	Small, 48.9	48.0
version	Double	The version of this query.	Small, 36.0	36.0

Replicated Dataset Collection

A collection of Analytics replicated datasets, also know as connected objects.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
replicated Datasets	ReplicatedDataset[]	A list of connected objects.	Small, 37.0	37.0
url	String	The URL to get the collection.	Small, 37.0	37.0

SEE ALSO:

Replicated Datasets List Resource

Replicated Dataset

An Analytics replicated dataset, also know as a connected object.

Properties

ReplicatedDataset inherits properties from the abstract BaseWaveAsset. These base properties appear alongside ReplicatedDataset specific properties in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
advanced Properties	AdvancedProperty Value	The advanced properties associated with this connected object.	Small, v44.0	44.0
connection Mode	ConnectWave ConnectionMode Enum	The connection mode for data sync. For faster extracts, use `Incremental` or `PeriodicFull`. Valid values are: • `Full`	Small, 46.0	46.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Incremental • PeriodicFull		
connector	DataConnector	Analytics connector information associated with this connected object	Small, 37.0	37.0
datasetId	String	The ID of the dataset for the connected object.	Small, 38.0	38.0
datasetLabel	String	The label of the dataset for the connected object.	Small, 56.0	56.0
fieldCount	Integer	The number of columns in the connected object.	Small, 38.0	38.0
fieldsUrl	String	URL to get the fields associated with the connected object.	Small, 37.0	37.0
filterApplied	Boolean	Indicates whether filters have been applied to this connected object (`true`) or not (`false`).	Small, 38.0	38.0
folderId	String	The ID of the folder associated with the dataset for the connected object.	Small, 56.0	56.0
incrementalOn	Boolean	Indicates whether this connected object is incrementally synced `true`) or not (`false`).	Small, 38.0	38.0-45.0
lastRefreshed Date	Date	The date when this connected object was last synced.	Small, 38.0	38.0
outputSource	OutputSource	The output source, either a recipe or a connection, configured for this connected object.	Small, 50.0	50.0
parquetOutput Enabled	Boolean	Indicates whether to provide output in parquet format (`true`) or not (`false`).	Small, 50.0	60.0
passThrough Filter	String	The pass through filter string for this connected object.	Small, 38.0	38.0
replication DataflowId	String	The data sync job ID used to populate this connected object.	Small, 41.0	41.0
rowLevel Sharing	String	Inherit row level sharing rules for this connected object.	Small, 44.0	44.0
sourceObject Name	String	The name of the source object to sync.	Small, 37.0	37.0

Property Name	Type	Description	Filter Group and Version	Available Version
status	ReplicatedDataflow StatusEnum	The status of the connected object. Valid values are: • `Cancelled` • `Checkpoint` • `Dequeued` • `Enqueued` • `Failure` • `Initiated` • `New` • `Serviced` • `Stale` • `Success` • `Warnings`	Small, 38.0	38.0
supported Connection Modes	ConnectWave ConnectionMode Enum[]	The connection mode for data sync. For faster extracts, use `Incremental` or `PeriodicFull`. Valid values are: • `Full` • `Incremental` • `PeriodicFull`	Small, 46.0	46.0
uuid	String	The unique identifier for this dataset.	Small, 54.0	54.0

SEE ALSO:

Replicated Datasets List Resource

Replicated Dataset Resource

Replicated Field Collection

A collection of fields for an Analytics replicated dataset, also known as a connected object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	ReplicatedField[]	A list of fields belonging to the connected object.	Small, 37.0	37.0
replicatedDataset	AssetReference	A reference to the replicated dataset that the fields belong to.	Small, 53.0	53.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	URL to get the collection.	Small, 37.0	37.0

Replicated Field

A field for an Analytics replicated dataset, also known as a connected object.

Properties

ReplicatedField inherits properties from the abstract AbstractField. These base properties appear in ReplicatedField alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
skipped	Boolean	If set to true, this field isn't synced, but the field metadata can still be stored and retrieved.	Small, 37.0	37.0

Report Source Asset

A contextual representation of a report asset.

Properties

ReportSourceAsset inherits properties from the abstract BaseWaveAsset.

Restore Dataset Version

The message returned for an Analytics data connector ingest request or an Analytics dataset version update request.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
message	String	The message result of the Analytics connector data sync request or the restore dataset version.	Small, 43.0	43.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The URL to get the status of the request.	Small, 43.0	43.0

SEE ALSO:

Data Connector Ingest Resource

Dataset Versions List Resource

Schedule Details

The base Analytics schedule details, inherited by SubscriptionDailySchedule and SubscriptionWeeklySchedule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
time	Integer	The time at which this schedule is run.	Small, 47.0	47.0

Schedule

A schedule on which to execute some type of Analytics asset job.

Inherited by DailySchedule, EmptySchedule, EventDrivenSchedule, HourlyScheduleInput, MinutelyScheduleInput, MonthlyRelativeScheduleInput, MonthlySpecificScheduleInput, and WeeklyScheduleInput

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assetId	String	The asset ID that this schedule belongs to.	Small, 52.0	52.0
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run)	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Weekly` (Run on one or more days each week)		
`nextScheduled Date`	Date	Next scheduled time (in UTC) for this schedule	Small, 43.0	43.0
`notification Level`	ConnectEmail NotificationLevel Enum	Email notification level of dataflow associated with this schedule. Valid values are: • `Always` • `Failures` • `Never` • `Warnings`	Small, 43.0	43.0
`time`	[Time](#)	Hour,minute, and timezone in which this schedule is run	Small 39.0	39.0

SEE ALSO:

[Schedule Resource](#)

Scheduled Item

The base schedule for a data refresh.

Inherited by [DailyScheduledItem](#) and [WeeklyScheduledItem](#)

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`frequency`	ConnectSchedule FrequencyType Enum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `Weekly` (Run on one or more days each week)	Small, 57.0	57.0
`nextScheduled Run`	Date	The next scheduled time for this schedule	Small, 57.0	57.0
`time`	[ScheduledTime](#)	The scheduled run time.	Small 57.0	57.0

Scheduled Time

The base schedule for a data refresh.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
hour	Integer	The hour at which this schedule is run (0-23).	Small, 57.0	57.0
minute	Integer	The minute at which this schedule is run (0-59).	Small, 57.0	57.0
timeZone	ScheduledTime Zone	The time zone of the hour at which the schedule is run.	Small, 57.0	57.0

Scheduled Timezone

The information for a schedule time zone.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
gmtOffset	Double	The signed offset, in hours, from GMT.	Small, 57.0	57.0
name	String	The display name of this time zone.	Small, 57.0	57.0
zoneId	String	The id of this time zone.	Small, 57.0	57.0

Security Predicate

The security predicate for an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
predicate	String	The security predicate expression.	Small, 59.0	59.0
predicateVersion	String	The security predicate version.	Small, 59.0	59.0

Send To Email Notification Action Configuration

The notification action configuration for sending an email.

Properties

SendToEmailNotificationActionConfiguration inherits properties from the abstract BaseNotificationActionConfiguration.

Sharing Inheritance

The sharing inheritance for an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
sharingEnabled	Boolean	Indicates whether sharing is enabled for the dataset version (true) or not (false).	Small, 59.0	59.0
sharingSource	String	The name of object from which this dataset version inherits sharing rules.	Small, 59.0	59.0

Single Column Layout

A single column layout for an Analytics template wizard page.

Properties

Inherits properties from Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
center	Panel	The center and only panel in the single column layout.	Small, 56.0	56.0

Slack Reference

The reference for a Slack entity.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
platformId	String	The Slack platform ID.	Small, 53.0	53.0

Snapshot

An Analytics snapshot.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
actions	NotificationAction[]	The list of actions taken when the subscription is executed.	Small, 53.0	53.0
active	Boolean	Indicates whether the subscription is active (`true`) or not (`false`).	Small, 47.0	47.0
assetBundle	WaveAssetBundle	The asset bundle associated with the subscription.	Small, 47.0	47.0
createdDate	Date	The date the subscription was created.	Small, 47.0	47.0
id	String	The ID of the subscription.	Small, 47.0	47.0
lastModified Date	Date	The date the subscription was last modified on.	Small, 47.0	47.0
schedule	Subscription Schedule	The schedule for the subscription notifications.	Small, 47.0	47.0

Sobject Field Type

The sobject field type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	String	The sobject field data type when a default field isn't supplied.	Small, 36.0	36.0

Sobject Type

The sobject type of an Analytics template variable.

Properties

Inherits properties from BaseObjectType.

Source Field Collection

A collection of fields for a source object.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataConnector	AssetReference on page 230	A reference to the data connector that the fields belong to.	Small, 53.0	53.0
fields	SourceField[]	A list of Source Fields.	Small, 37.0	37.0
sourceObject Name	String	The name of the source object that the fields belong to.	Small, 53.0	53.0
url	String	URL to get the collection.	Small, 37.0	37.0

SEE ALSO:

Data Connector Source Object Fields Resource

Source Field

A field for a source object.

Properties

SourceField inherits properties from the abstract AbstractField. These base properties appear in SourceField alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
accessDenied Reason	String	If this source field is inaccessible, this property contains a message describing the reason.	Small, 37.0	37.0
accessible	Boolean	If this property is present and `false`, the source field is inaccessible and can't be synced. Check the `accessDeniedReason` property for more information.	Small, 37.0	37.0

Source Object Collection

A collection of source objects for an Analytics data connector.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	String	The URL to get the next page of source objects in the collection.	Small, 53.0	53.0
sourceObjects	SourceObject[]	A list of source objects.	Small, 37.0	37.0
totalSize	Integer	The total count of elements in the collection, irrespective of the page.	Small, 53.0	53.0
url	String	The URL to get the collection.	Small, 53.0	53.0

SEE ALSO:

Data Connector Source Objects List Resource

Source Object Data

The data retrieved from a source object given a list of fields and advanced properties.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataListJson	String	The JSON representation, as a string, for data preview to show.	Small, 39.0	39.0
url	String	The URL to get this Source Object Data.	Small, 39.0	39.0

SEE ALSO:

Data Connector Source Object Data Preview Resource

Source Object

A source object for an Analytics data connector.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
accessDenied Reason	String	If this source object is inaccessible, this property contains a message describing the reason.	Small, 37.0	37.0

Property Name	Type	Description	Filter Group and Version	Available Version
accessible	Boolean	If this property is present and `false`, the source object is inaccessible and can't be synced. Check the accessDeniedReason property for more information.	Small, 37.0	37.0
connector Label	String	The label of this source object. The specifics depend on the connector type.	Small, 53.0	53.0
dataConnector	AssetReference on page 230	A reference to the data connector that the source object belongs to.	Small, 53.0	53.0
dataPreview Url	String	The URL to retrieve the data preview associated with this source object.	Small, 40.0	40.0
dataUrl	String	The URL to get the data associated with this source object.	Small, 39.0	39.0–39.0
fieldsUrl	String	The URL to get the list of source fields that this source object has.	Small, 37.0	37.0
name	String	The external name of this source object. The specifics depend on the connector type.	Small, 37.0	37.0
replicated	Boolean	Indicates whether this source object is synced in Analytics (`true`) or not (`false`).	Small, 37.0	37.0
url	String	The URL to get this source object.	Small, 37.0	37.0

SEE ALSO:

Data Connector Source Object Resource

Size Limit

The size limit of an Analytics template array type variable.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
max	Integer	The maximum number of elements in the array.	Small, 37.0	37.0
min	Integer	The minimum number of elements in the array.	Small, 37.0	37.0

String Type

The string type of an Analytics template variable.

Properties

Inherits properties from VariableType.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	String[]	The restricted list of enumerated string values.	Small, 36.0	36.0
enumsLabels	String[]	The optional list of display labels for the enumerated values.	Small, 58.0	58.0

Subscription Collection

A collection of Analytics subscriptions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
subscriptions	Subscription[]	A collection of subscriptions.	Small, 47.0	47.0

SEE ALSO:

Subscriptions List Resource

Subscription Daily Schedule

The daily schedule on which to execute an Analytics subscription.

Properties

SubscriptionDailySchedule inherits properties from the abstract ScheduleDetails.

Subscription Weekly Schedule

The weekly schedule on which to execute an Analytics subscription.

Properties

SubscriptionWeeklySchedule inherits properties from the abstract ScheduleDetails. These base properties appear in SubscriptionWeeklySchedule alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	Subscription ScheduleDayOf Week	The days of the week for schedule frequency. Valid values are: • `Fri` • `Mon` • `Sat` • `Sun` • `Thu` • `Tue` • `Wed`	Small, 47.0	47.0

Subscription Schedule

An Analytics subscription schedule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
details	ScheduleDetails	The schedule details, including time and frequency details. Valid values are: • SubscriptionDailySchedule • SubscriptionWeeklySchedule	Small, 47.0	47.0
frequency	ConnectWave ScheduleFrequency TypeEnum	The frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run) • `Weekly` (Run on one or more days each week)	Small, 47.0	47.0

Subscription Source

The base Analytics subscription source.

Properties

Inherited by CollectionSubscriptionSource, DashboardSubscriptionSource, and WidgetSubscriptionSource.

Parameter Name	Type	Description	Filter Group and Version	Available Version
`type`	Connect SubscriptionSource TypeEnum	The source type for the subscription. Valid values are: • `Collection` • `Dashboard` • `Widget`	Required	52.0

Subscription

An Analytics subscription.

Properties

Subscription inherits properties from the abstract Snapshot. These base properties appear in Subscription alongside the properties defined explicitly in the following table.

Parameter Name	Type	Description	Filter Group and Version	Available Version
`source`	SubscriptionSource	The subscription source including type, label, and record ID.	Small, 52.0	52.0

SEE ALSO:

Subscriptions List Resource

Subscription Resource

Subscription Layout Resource

Subscription Widgets Resource

Subscription Widget Resource

Template Collection

A collection of Analytics templates.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
templates	Template[]	A list of templates.	Small, 36.0	36.0

SEE ALSO:

Templates List Resource

Template Configuration

The configuration for an Analytics Template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID or fully qualified name of the template.	Small, 55.0	55.0
layout	UILayoutDefinition	The user interface layout definition for the template.	Small, 56.0	56.0
name	String	The local API name of the template.	Small, 55.0	55.0
namespace	String	The namespace of the template provider.	Small, 55.0	55.0
ui	UIDefinition	The user interface definition for the template.	Small, 36.0	36.0
variables	Map <String, VariableDefinition>	A map of the defined variables for the template.	Small, 36.0	36.0

The following JSON is an example response body.

```
{
  "ui": {
    "pages": [
      {
        "title": "Application Preferences",
        "variables": [
          "lensDashboardName",
          "dashboardHeader"
        ]
      },
      {
        "title": "Other preferences",
        "variables": [
          "emailNotifications",
```

```
            "emailAddress"
          ]
        }
      ]
    },
    "variables": {
      "numberPicked": {
        "defaultValue": 3,
        "description": "A number between 1 and 10.",
        "excludeSelected": false,
        "excludes": [],
        "label": "Please pick a number between 1 and 10?",
        "required": true,
        "variableType": {
          "enums": [],
          "max": 10,
          "min": 1,
          "type": "NumberType"
        }
      },
      "lensDashboardName": {
        "defaultValue": "My View of Election Data",
        "description": "The name of the sample lens.",
        "excludeSelected": false,
        "excludes": [],
        "label": "What would you like to name your lens and dashboard?",
        "required": true,
        "variableType": {
        "   type": "StringType"
        }
      },
      "dashboardHeader": {
        "defaultValue": "Wow! Interactive Dashboards are Nice!",
        "description": "The dashboard header.",
        "excludeSelected": false,
        "excludes": [],
        "label": "What would you like the dashboard header to say?",
        "required": true,
        "variableType": {
          "enums": [],
          "type": "StringType"
        }
      },
      "emailNotifications": {
        "defaultValue": "Yes",
        "description": "Email notifications",
        "excludeSelected": false,
        "excludes": [],
        "label": "Would you like to receive emails for promotions?",
        "required": false,
        "variableType": {
          "enums": ["Yes","No"],
          "type": "StringType"
        }
```

```
      },
      "emailAddress": {
        "defaultValue": null,
        "description": "Your email address.",
        "excludeSelected": false,
        "excludes": [],
        "label": "Please enter your email address?",
        "required": false,
        "variableType": {
          "enums": [],
          "type": "StringType"
          }
        }
      }
}
```

SEE ALSO:

[Template Configuration Resource](#)

Template Custom Attributes

The custom attributes or metadata for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the custom attribute metadata.	Small, 44.0	44.0
values	String[]	The list of values for the custom attribute metadata.	Small, 44.0	44.0

Template Icons

The icons for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
appBadge	[AssetReference](#)	The badge icon used on any app created from this template.	Small, 41.0	41.0
templateBadge	[AssetReference](#)	The badge icon used to represent this template in the template configuration wizard.	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
template Previews	ImageAsset Reference[]	The list of images to display in the carousel on the template detail page when the template is selected in the wizard.	Small, 44.0	44.0

Template Lint

The lint score for an Analytics template.

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The template name	Small, 58.0	58.0
score	Double	The lint score for the template, up to 100.	Small, 58.0	58.0
tasks	TemplateLintItem[]	A list of individual validation task for the template.	Small, 58.0	58.0

SEE ALSO:

Template Lint Resource

Template Lint Item

An individual linting task for an Analytics template.

TemplateLintItem inherits properties from the abstract AbstractLintItem. These base properties appear in TemplateLintItem alongside the properties defined explicitly in the following table.

Template Options

The template options used on the last action performed on a templated Analytics app.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
appAction	ConnectWave TemplateAppAction Enum	The last template action performed on the templated application. Valid values are: • AutoUpgrade • Create • DecoupleApp • Overlay	Medium, 37.0	37.0

329

Property Name	Type	Description	Filter Group and Version	Available Version
		• `RefreshData` • `Upgrade`		
`appActionDate`	Date	The date and time the last action was performed.	Medium, 37.0	37.0
`appActionUser`	WaveUser	The user that performed the last action.	Medium, 37.0	37.0
`dynamic Options`	Map<String, Object>	A map of dynamic template options that can change from release to release.	Medium, 54.0	54.0

Template Readiness Item

An individual validation task for an Analytics template.

TemplateReadinessItem inherits properties from the abstract AbstractLintItem. These base properties appear in TemplateReadinessItem alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`image`	AssetReference	The icon associated with the validation task.	Small, 58.0	58.0
`tags`	String[]	A list of tags describing the purpose of the validation.	Small, 58.0	58.0
`type`	String	A task specific type, associated with the readiness check type.	Small, 58.0	58.0

Template Release

The release information for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`notesUrl`	String	The URL to the release notes for this template	Small, 37.0	37.0
`template Version`	String	The version of this template.	Small, 37.0	37.0

Template Release Notes

The release notes for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID or fully qualified name of the template.	Small, 55.0	55.0
name	String	The local API name of the template.	Small, 55.0	55.0
namespace	String	The namespace of the template provider.	Small, 55.0	55.0
notes	String	The release note's markdown.	Small, 37.0	37.0

SEE ALSO:

Template Release Notes Resource

Template Validate

The validation for an Analytics template.

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID or qualified name of the template.	Small, 58.0	58.0
state	Map<Object, Object>	A map of the context values containing the result from the validate call.	Small, 60.0	60.0
tasks	TemplateReadiness Item[]	A list of the individual validation tasks for the template.	Small, 58.0	58.0

SEE ALSO:

Template Validate Resource

Template

An Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
assetIcon	String	The icon that best represents the Analytics application.	Small, 36.0	36.0–41.0
assetVersion	Double	The asset version (API version) of all the dashboards and lenses.	Big, 37.0	37.0
configuration Url	String	The URL to the configuration of the template.	Small, 36.0	36.0
createdBy	WaveUser	The user that created the template.	Small, 52.0	52.0
createdDate	Date	The date and time the template was created.	Small, 52.0	52.0
custom Attributes	TemplateCustom Attributes	The custom attribute definitions of the template.	Big, 44.0	44.0
description	String	The description of the template.	Big, 36.0	36.0
folderSource	AssetReference	The folder source of the template	Medium, 39.0	39.0
icons	TemplateIcons	The icons configured for the template.	Small, 41.0	41.0
id	String	The ID or fully qualified API name of the template.	Small, 36.0	36.0
label	String	The localized name of the application template.	Small, 36.0	36.0
lastModified By	WaveUser	The user that last updated the template.	Small, 52.0	52.0
lastModified Date	Date	The last date and time the template was modified.	Small, 52.0	52.0
name	String	The local API name of the template.	Medium, 36.0	36.0
namespace	String	The namespace of the template provider.	Medium, 36.0	36.0
releaseInfo	TemplateRelease	The release information for the template	Medium, 37.0	37.0
tags	String[]	A list of tag definitions for the template.	Big, 44.0	44.0
templateIcon	String	The icon that best represents the Analytics application template.	Small, 36.0	36.0–41.0
templateType	ConnectWave TemplateTypeEnum	The type of template. Valid values are: • App • Dashboard • Data • Embedded	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Lens		
url	String	The URL to the detail of the template.	Small, 36.0	36.0
videos	VideoInfo	The videos associated with the template.	Big, 46.0	46.0

SEE ALSO:

Templates List Resource

Template Resource

Text Item

A text item on a panel for an Analytics template wizard page.

Properties

Inherits properties from Panel Item.

Property Name	Type	Description	Filter Group and Version	Available Version
text	String	The text of the item.	Small, 56.0	56.0
variant	String	The optional text variant. The valid values are: SubHeader.	Small, 59.0	59.0

Time

The time at which something should happen, usually in relation to an Analytics schedule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
hour	Integer	Hour at which this schedule is run (0-23).	Small, 39.0	39.0
minute	Integer	Minute at which this schedule is run (0-59).	Small, 39.0	39.0
timeZone	TimeZone	Time zone of the hour at which the schedule is run.	Small, 39.0	39.0

Time Zone

The time zone in which something should happen, usually in relation to an Analytics schedule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
gmtOffset	Double	The signed offset, in hours, from GMT.	Small, 39.0	39.0
name	String	The display name of this time zone.	Small, 39.0	39.0
zoneId	String	The id of this time zone.	Small, 39.0	39.0

Trended Report Collection

A collection of Analytics trended reports.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
trended Reports	TrendedReport[]	A collection of trended reports.	Small, 37.0	37.0
url	String	The URL to get the collection.	Small, 37.0	37.0

SEE ALSO:

Trended Reports List Resource

Trended Report

An Analytics trended report.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
apexHooks Class	AssetReference	The reference to the apex class which is used for post processing each time the report is trended.	Small, 37.0	38.0
dashboard	AssetReference	The reference to the dashboard for the trended report.	Small, 37.0	37.0
dataset	AssetReference	The reference to the dataset with the trended report data.	Small, 37.0	37.0

334

Parameter Name	Type	Description	Filter Group and Version	Available Version
`id`	String	The 18 character ID of the trended report.	Small, 37.0	37.0
`report`	AssetReference	The reference to the report that is being trended.	Small, 37.0	37.0
`schedule`	Schedule	The schedule on which the trending report should be run. Valid values are: • DailySchedule • EmptySchedule • EventDrivenSchedule • HourlySchedule • MinutelySchedule • MonthlyRelativeSchedule • MonthlySpecificSchedule • WeeklySchedule	Small, 39.0	39.0
`url`	String	The URL for the trended report.	Small, 37.0	37.0

SEE ALSO:

Trended Reports List Resource

Trended Report Resource

Two Column Layout

A two column layout for an Analytics template wizard page.

Properties

Inherits properties from Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
`left`	Panel	The left panel in the layout.	Small, 56.0	56.0
`right`	Panel	The right panel in the layout.	Small, 56.0	56.0

Typed Asset Reference

A typed Analytics asset reference.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWaveAsset TypeEnum	The asset type. Valid values are: • `Collection` • `Component` • `ContextualDashboard` • `Dashboard` • `DashboardSavedView` • `DashboardSnapshot` • `DataCloudReport` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset` • `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent` • `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `TableauDashboard` • `TableauWorkbook` • `Template` • `Widget` • `Workflow`	Small, 40.0	40.0

UI Configuration

Get the Analytics UI configuration data.

JSON example

```
{
    "maxGroups" : 4,
    "maxMeasures" : 4
}
```

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
maxGroups	Integer	The maximum number of groups.	Small, 36.0	36.0
maxMeasures	Integer	The maximum number of measures.	Small, 36.0	36.0

UI Definition

The UI definition for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
display Messages	DisplayMessage[]	The display messages for this template configuration.	Small, 36.0	36.0
pages	Page[]	The page collection for this template configuration.	Small, 36.0	36.0

UI Layout Definition

The UI layout definition for an Analytics template.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
appDetails	AppDetails	The app details definition of the template configuration.	Small, 59.0	59.0
display Messages	DisplayMessage[]	A list of display messages for this template configuration.	Small, 56.0	56.0

Property Name	Type	Description	Filter Group and Version	Available Version
navigation Panel	NavigationPanel	The navigation panel of the template configuration.	Small, 59.0	59.0
pages	PageLayout[]	A list of pages for this template configuration.	Small, 56.0	56.0

Unsupported Record Collection

The collection of specific records that unsupported for sharing inheritance.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
count	Integer	The count of records not covered by sharing inheritance. This value may not match the length of the values collection.	Supplemental, 50.0	50.0
values	Unsupported Record[]	The collection of specific records that are unsupported for sharing inheritance. The collection length may be shorter than the count due to limiting for the API.	Small, 50.0	50.0

Unsupported Record

The sharing usage of object instances based on Analytics limits.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
descriptor Count	Integer	The number of descriptors for the record id.	Small, 51.0	51.0
id	String	The record id.	Small, 50.0	50.0

User Collection

Information for a user. Used by the Map representation

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The 18 character user ID	Small, 38.0	38.0
name	String	The name of the user	Small, 38.0	38.0

Validation Page Group

An org readiness requirement group on a validation page for a template validation wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
includeUnmatched	Boolean	Indicates whether this group includes any requirements that aren't matched in other groups (true) or not (false).	Small, 59.0	59.0
tags	String[]	A list of tags for org readiness requirements that belong to this group.	Small, 59.0	59.0
text	String	The display text for the group.	Small, 59.0	59.0

Validation Page Layout

The validation page layout for a template configuration wizard page.

Properties

Inherits properities from Page Layout.

Property Name	Type	Description	Filter Group and Version	Available Version
groups	ValidationPageGroup[]	A list of the org readiness groups to use for validation on this template wizard page.	Small, 59.0	59.0
header	Header	The header for the page.	Small, 59.0	59.0

Variable Definition

The variable definition for an Analytics template. Specific variable type responses are listed here.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
computedValue	Object	The computed value of the variable. This value is set by integrated apex implementations.	Small, 38.0	38.0
defaultValue	Object	The default value of the variable.	Small, 36.0	36.0
description	String	The description of the variable.	Small, 36.0	36.0
exclude Selected	Boolean	Indicates whether this variable excludes already selected values or not.	Small, 36.0	36.0
excludes	String[]	The list of values to exclude from the variable selection.	Small, 36.0	36.0
label	String	The label for the variable.	Small, 36.0	36.0
mostRecent Value	Object	The value specified in the most recent app creation process.	Small, 36.0	36.0
required	Boolean	Indicates whether the variable is required or not.	Small, 36.0	36.0
variableType	VariableType	The type of the variable. Valid variable types are: • `ArrayType` • `BooleanType` • `CalculatedInsightField Type` • `CalculatedInsightType` • `ConnectorType` • `DataLakeObjectFieldType` • `DataLakeObjectType` • `DataModelObjectFieldType` • `DataModelObjectType` • `DatasetAnyFieldType` • `DatasetDateType` • `DatasetDimensionType` • `DatasetMeasureType` • `DatasetType` • `DateTimeType`	Small, 36.0	36.0

340

Property Name	Type	Description	Filter Group and Version	Available Version
		• NumberType		
		• ObjectType		
		• SObjectFieldType		
		• SObjectType		
		• StringType		

Array Type

ArrayType inherits properties from the abstract VariableType. These base properties appear in ArrayType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Object	The restricted list of enumerated values for the array.	Small, 36.0	36.0
itemsType	VariableType	The variable type contents of the array variable type.	Small, 36.0	36.0
sizeLimit	SizeLimit	The size limit of the array.	Small, 36.0	36.0

Boolean Type

BooleanType inherits properties from the abstract VariableType. These base properties appear in BooleanType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Boolean[]	The restricted list of enumerated values for the boolean variable type.	Small, 36.0	36.0

Connector Type

ConnectorType inherits properties from the abstract VariableType. These base properties appear in ConnectorType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	String[]	The restricted list of enumerated string values for the connector variable type.	Small, 48.0	48.0

Dataset Any Field Type

DatasetAnyFieldType inherits properties from the abstract BaseObjectType.

Dataset Date Type

DatasetDateType inherits properties from the abstract BaseObjectType.

Dataset Dimension Type

DatasetDimensionType inherits properties from the abstract BaseObjectType.

Dataset Measure Type

DatasetMeasureType inherits properties from the abstract BaseObjectType.

Dataset Type

DatasetType inherits properties from the abstract BaseObjectType.

Date Time Type

DateTimeType inherits properties from the abstract VariableType.

Number Type

NumberType inherits properties from the abstract VariableType. These base properties appear in NumberType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	Double[]	The restricted list of enumerated double values for the numeric variable type.	Small, 36.0	36.0
max	Double	The maximum allowed value of the number.	Small, 36.0	36.0
min	Double	The minimum allowed value of the number.	Small, 36.0	36.0

Object Type

ObjectType inherits properties from the abstract BaseObjectType.

SObject Field Type

SObjectFieldType inherits properties from the abstract BaseObjectType. These base properties appear in SObjectFieldType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	String	The sObject field data type when a default field is not supplied. The valid data types are XSD data types, for example: `xsd:string`	Small, 36.0	36.0

SObject Type

SObjectType inherits properties from the abstract BaseObjectType.

String Type

StringType inherits properties from the abstract VariableType. These base properties appear in StringType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
enums	String[]	The restricted list of enumerated values for the string variable type.	Small, 36.0	36.0

Base Object Type

BaseObjectType inherits properties from the abstract VariableType. These base properties appear in BaseObjectType alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
properties	Map<String, VariableType>	The defined properties and types of the object variable type.	Small, 36.0	36.0
required	String[]	The required properties of the object variable type.	Small, 36.0	36.0
strict Validation	Boolean	Indicates whether to use strict validation when unexpected properties exist in the object's payload or not.	Small, 36.0	36.0

Variable Type

Property Name	Type	Description	Filter Group and Version	Available Version
type	VariableTypeEnum	The type of the variable. Valid values are: • ArrayType • BooleanType • ConnectorType • DatasetAnyFieldType • DatasetDateType • DatasetDimensionType • DatasetMeasureType • DatasetType • DateTimeType • NumberType	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• ObjectType • SobjectFieldType • SobjectType • StringType		

Size Limit

Property Name	Type	Description	Filter Group and Version	Available Version
min	Integer	The minimum number of elements in the array.	Small, 37.0	37.0
max	Integer	The maximum number of elements in the array.	Small, 37.0	37.0

Variable Item

A variable item on a panel for an Analytics template wizard page.

Properties

Inherits properties from Panel Item.

Property Name	Type	Description	Filter Group and Version	Available Version
description	String	The description of the variable. If not specified, defaults to the variable description set in the variable resource.	Small, 59.0	59.0
label	String	The label of the variable.	Small, 56.0	56.0
name	String	The name of the variable.	Small, 56.0	56.0
tiles	Map<String, Variable ItemTile>	A map of the checkbox tile details for the `CheckboxTiles` variant.	Small, 59.0	59.0
variant	String	The optional variable variant. The valid values are: • CheckboxTiles • CenteredCheckboxTiles • SubHeader	Small, 59.0	59.0

344

Variable Item Tile

A variable item tile for a variable on a template wizard page.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
badge	String	The optional badge to display on the tile.	Small, 59.0	59.0
description	String	The description of the variable. If not specified, defaults to the variable description set in the variable resource.	Small, 59.0	59.0
iconName	String	The optional SLDS icon to display.	Small, 59.0	59.0
label	String	The label of the variable. If not specified, defaults to the variable label set in the variable resource.	Small, 59.0	59.0
visibility	String	The optional visibility expression for this tile.	Small, 60.0	60.0

Variable Type

The abstract type for an Analytics template variable.

Properties

Inherited by ArrayType, BaseObjectType, BooleanType, ConnectorType, DateTimeType, NumberType, and StringType.

Property Name	Type	Description	Filter Group and Version	Available Version
type	VariableTypeEnum	The type of the variable. Valid values are: • ArrayType • BooleanType • CalculatedInsightField Type • CalculatedInsightType • ConnectorType • DataLakeObjectFieldType • DataLakeObjectType • DataModelObjectFieldType • DataModelObjectType • DatasetAnyFieldType	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `DatasetDateType` • `DatasetDimensionType` • `DatasetMeasureType` • `DatasetType` • `DateTimeType` • `NumberType` • `ObjectType` • `SobjectFieldType` • `SobjectType` • `StringType`		

Video Info

Information for describing a particular video.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`id`	String	The platform-specific ID of the video content.	Small, 46.0	46.0
`label`	String	The title of the video.	Small, 46.0	46.0
`linkType`	ConnectTemplate VideoLinkTypeEnum	The video platform. Valid values are: • `Vidyard` • `YouTube`	Small, 46.0	46.0
`purpose`	ConnectTemplate VideoPurposeEnum	The video purpose. Valid values are: • `Onboarding` • `Walkthrough`	Small, 46.0	46.0
`showPlaylist`	Boolean	Indicates whether the video platform displays a playlist or not.	Small, 46.0	46.0

Visual Parameters

A visual parameters for an Analytics watchlist item.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
should Increase	Boolean	Indicates whether the metric being watched should increase in value (`true`) or not (`false`).	Small, v49.0	49.0

Watchlist Snapshot

An Analytics watchlist snapshot collection.

Properties

WatchlistSnapshot inherits properties from the abstract Snapshot. These base properties appear in WatchlistSnapshot alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
snapshotItems	DashboardSnapshot Item[]	The list of watchlist items available to the current user.	Small, 48.0	48.0

Watchlist

An Analytics watchlist collection.

Properties

Watchlist inherits properties from the abstract BaseCollection. These base properties appear in Watchlist alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
watchlist Snapshots	WatchlistSnapshot[]	The list of watchlist snapshots available to the current user.	Small, 48.0	48.0

SEE ALSO:

Watchlist Resource

Watchlist Item Resource

Watchlist Schedules Resource

Watchlist Schedule Resource

Wave Analytics Limit

An Analytics limit.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
current	Double	The total current used amount.	Small, 51.0	51.0
interval	Connect Analytics LimitInterval Enum	The interval in which the limit is applied. Valid values are: • Daily • Hourly • Monthly • None • Weekly	Small, 51.0	51.0
license Attributes	Licenses Attributes	The Analytics license type and other properties.	Small, 51.0	51.0
max	Long	The maximum count that Analytics allows.	Small, 51.0	51.0
threshold	Long	The threshold value to issue a warning before reaching the max.	Small, 51.0	51.0
type	ConnectAnalytics LimitTypeEnum	The limit type. Valid values are • BatchTransformationHours (Maximum dataflow runtime per month) • DatasetQueries (Maximum queries on datasets for all users) • DatasetRowCount (Maximum row of all datasets combined) • MaxDailyRowsDataCloud OutputCon (Maximum rows for Data 360 output per rolling 24-hour period) • MaxDailyRowsHighOutput Con (Maximum rows for all high volume tier output connectors per rolling 24-hour period) • MaxDailyRowsLowOutputCon (Maximum rows for all low volume tier output connectors per rolling 24-hour period)	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `MaxDailyRowsMedOutputCon` (Maximum rows for all medium volume tier output connectors per rolling 24-hour period)		
		• `MaxDailySizeHighOutput Con` (Maximum data size for all high volume tier output connectors per rolling 24-hour period)		
		• `MaxDailySizeLowOutputCon` (Maximum data size for all low volume tier output connectors per rolling 24-hour period)		
		• `MaxDailySizeMedOutputCon` (Maximum data size for all medium volume tier output connectors per rolling 24-hour period)		
		• `MaxDailySizeVirtual PrivateCloudCon` (Maximum cumulative bytes of data sent through connections using a virtual private cloud in a rolling 24-hour period)		
		• `MaxDailyUploadVolume` (Maximum cumulative bytes of data files uploaded to Salesforce in a rolling 24-hour period)		
		• `MaxDailyWorkflow Executions` (Maximum number of dataflow and recipe runs in a rolling 24-hour period)		
		• `MaxRecipeOutRowsPerMonth` (Maximum number of rows output by all recipes to all datasets in a month)		
		• `MaxReplicatedObjects` (Maximum number of connected objects)		
		• `OutputLocalConnector Volume` (Maximum cumulative bytes of data files written to Salesforce in a rolling 24-hour period)		
		• `StagedDatasetRowCount` (Maximum rows for staged datasets)		

Wave Analytics Limit Collection

The collection of Analytics limits.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
limits	WaveAnalytics Limit[]	A collection of Analytics limits.	Small, 51.0	51.0

SEE ALSO:

Limits Resource

Wave Asset Bundle

The Analytics asset bundled with the associated metadata.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
asset	BaseWaveAsset	The primary asset for the bundle.	Small, 43.0	43.0
components	BaseWaveAsset[]	The metadata of components for the bundle.	Small, 50.0	50.0
datasets	Dataset[]	A list of datasets for the bundle.	Small, 41.0	41.0
id	String	The ID of the primary asset for the bundle.	Small, 41.0	41.0
sobjects	AssetReference[]	A list of sObjects for the bundle.	Small, 50.0	50.0
xmds	Xmd[]	A list of xmds for the bundle.	Small, 41.0	41.0

SEE ALSO:

Dashboard Bundle Resource

Lens Bundle Resource

Wave Collection

A collection of Analytics resources.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
collection Type	CollectionType Enum	The collection type. Valid values are: `Static`	Small, v52.0	52.0
color	String	The configured color for the collection, represented as a hexadecimal value.	Supplemental, v52.0	52.0
isPinned	Boolean	Indicates whether this collection is pinned for the current user (`true`) or not (`false`).	Small, v52.0	52.0
isVisible	Boolean	Indicates whether this collection is visible for the current user (`true`) or not (`false`).	Small, v57.0	57.0
itemList	WaveCollectionItem List[]	The list of items in the collection.	Small, 52.0	52.0
itemsUrl	Boolean	The URL to get the items in the collection.	Small, v52.0	52.0
pinnedBy	CollectionCreatedBy TypeEnum	The type of user who created the pin. Valid values are: • `Admin` • `None` • `User`	Small, v57.0	57.0
pins	CollectionPin[]	The list of pinning rules for the collection.	Small, 52.0	52.0
shares	WaveFolderShare[]	The list of sharing rules for the collection.	Small, 52.0	52.0

SEE ALSO:

Collections List Resource

Collections Resource

Collections Item Resource

Wave Collection Item

An item in a collection of Analytics resources.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
assetType	CollectionItemAssetTypeEnum	The collection item asset type. Valid values are: • `Dashboard` • `Lens`	Small, 52.0	52.0
collectionItemId	String	The id of the association between the collection and asset item.	Small, v52.0	52.0
files	BaseFile[]	The list of files used to create the asset item. Valid values are: • AnalyticsDataAssetFile • LensFile	Small, v52.0	52.0
folder	AssetReference	The folder metadata for the asset item.	Small, v52.0	52.0
visibility	ConnectWaveAssetVisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)	Small, v52.0	52.0

SEE ALSO:

Collections Items List Resource

Wave Collection Item List

A list of items in a collection of Analytics resources.

Properties

Parameter Name	Type	Description	Filter Group and Version	Available Version
collectionItems	WaveCollectionItem[]	The list of collection items.	Small, 52.0	52.0
nextPageToken	String	The token for the next page if there are more items.	Small, v52.0	52.0

Parameter Name	Type	Description	Filter Group and Version	Available Version
totalCount	Integer	The total count of collection items.	Small, v52.0	52.0

Wave Collection List

A list of Analytics collections.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
collections	WaveCollection[]	A collection of Analytics resources.	Small, 52.0	52.0
nextPageToken	String	The next page token if there are more records in the collection.	Small, 52.0	52.0
total Collection Count	Integer	The total size of the accessible items in the collections, with no visibility or pinning filters applied.	Small, 57.0	57.0
totalCount	Integer	The total count of collections.	Small, 52.0	52.0

Wave Features

The Analytics features enabled for a user.

JSON example

```
{
    "canCreateAndEditDashboards" : true,
    "canCreateApplications" : true,
    "isWaveCommunitiesUser" : false
}
```

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`canAccess Firebird Editor`	Boolean	Indicates whether the user can access the Recipes 3.0 editor (`true`) or not (`false`).	Small, 48.0	48.0
`canCreateAnd Edit Dashboards`	Boolean	Indicates whether the user can create and edit Dashboards (`true`) or not (`false`).	Small, 36.0	36.0
`canCreate Applications`	Boolean	Indicates whether the user can create applications (`true`) or not (`false`).	Small, 36.0	36.0
`canEdit Replication`	Boolean	Indicates whether the user can edit data sync setup (`true`) or not (`false`).	Small, 37.0	37.0
`canManage TemplatesIn Studio`	Boolean	Indicates whether the user can manage app templates within Analytics Analytics Studio (`true`) or not (`false`).	Small, 52.0	52.0
`canUpdateData CloudObject`	Boolean	Indicates whether the org can update Data 360 objects (`true`) or not (`false`).	Small, 66.0	66.0
`canUpload ExternalData`	Boolean	Indicates whether the user can upload external data (`true`) or not (`false`).	Small, 36.0	36.0
`canUseApp Templates`	Boolean	Indicates whether the user can access application templates (`true`) or not (`false`).	Small, 45.0	45.0
`canUse Dashboard SavedViews`	Boolean	Indicates whether the org has dashboard saved views enabled (`true`) or not (`false`).	Small, 42.0	42.0
`canUseData PrepPilot`	Boolean	Indicates whether the org has the Data Prep pilot feature enabled (`true`) or not (`false`).	Small, 51.0	51.0
`canUseExplore Recommendation`	Boolean	Indicates whether the org has asset recommendation enabled (`true`) or not (`false`).	Small, 57.0	57.0
`canUseJS LayoutOn Mobile`	Boolean	Indicates whether the org can use the JS engine to layout widgets in a dashboard on mobile apps (`true`) or not (`false`).	Small, 60.0	60.0
`canUseUnified Analytics`	Boolean	Indicates whether the org has unified analytics enabled (`true`) or not (`false`).	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
`canUseWatch Recommendation`	Boolean	Indicates whether the org has watch asset recommendation enabled (`true`) or not (`false`).	Small, 57.0	57.0
`canUseWave`	Boolean	Indicates whether the user can access Analytics (`true`) or not (`false`).	Small, 36.0	36.0
`canUseWave Annotation`	Boolean	Indicates whether the user can access annotations (`true`) or not (`false`).	Small, 45.0	45.0
`canUseWave SparkELT`	Boolean	Indicates whether the user can access updated ELT features (`true`) or not (`false`).	Small, 47.0	47.0
`canWriteTo DataCloud`	Boolean	Indicates whether the org has write access to Data 360 (`true`) or not (`false`).	Small, 60.0	60.0
`isWave Communities User`	Boolean	Indicates whether the user is an Analytics Communities user (`true`) or not (`false`).	Small, 36.0	36.0
`orgCanView LivePreivews`	Boolean	Indicates whether the org has view access to live previews enabled (`true`) or not (`false`).	Small, 57.0	57.0
`orgCanView Tableau`	Boolean	Indicates whether the org has view access to Tableau dashboards enabled (`true`) or not (`false`).	Small, 55.0	55.0
`orgCanView Tableau Workbook`	Boolean	Indicates whether the org has view access to Tableau workbooks enabled (`true`) or not (`false`).	Small, 58.0	58.0
`orgCanView ThumbnailsFor OA`	Boolean	Indicates whether the org has view access to thumbnails for Lightning Experience reports and dashboards enabled (`true`) or not (`false`).	Small, 57.0	57.0
`orgHasApp Framework3_0`	Boolean	Indicates whether the org has the App Framework 3.0 enabled (`true`) or not (`false`).	Small, 54.0	54.0
`orgHasCustom Fiscal`	Boolean	Indicates whether the org has Analytics custom fiscal enabled (`true`) or not (`false`).	Small, 54.0	54.0
`orgHasData Cloud Reporting Enabled`	Boolean	Indicates whether the org has Data 360 reporting enabled (`true`) or not (`false`).	Small, 58.0	58.0

Property Name	Type	Description	Filter Group and Version	Available Version
orgHasElt Orchestration	Boolean	Indicates whether the org has ETL orchestration enabled (`true`) or not (`false`).	Small, 55.0	55.0
orgHasExplore InTableau	Boolean	Indicates whether the org has data exploration in Tableau enabled (`true`) or not (`false`).	Small, 55.0	55.0
orgHas Favorites	Boolean	Indicates whether the org has favorites enabled (`true`) or not (`false`).	Small, 49.0	49.0
orgHas Firebird Editor	Boolean	Indicates whether the org has Recipes 3.0 enabled (`true`) or not (`false`).	Small, 48.0	48.0
orgHasMobile Offline Enabled	Boolean	Indicates whether the org has mobile offine enabled (`true`) or not (`false`).	Small, 51.0	51.0
orgHas Optimized AppendEnabled	Boolean	Indicates whether the org has optimized append for recipes enabled (`true`) or not (`false`).	Small, 62.0	62.0
orgHas Optimized UpdateEnabled	Boolean	Indicates whether the org has optimized update for recipes enabled (`true`) or not (`false`).	Small, 65.0	65.0
orgHasRecipe DirectData	Boolean	Indicates whether the org has access to data directly from recipes (`true`) or not (`false`).	Small, 52.0	52.0
orgHasRecipe Fiscal	Boolean	Indicates whether the org has recipe fiscal configuration enabled (`true`) or not (`false`).	Small, 54.0	54.0
orgHasRecipe StagedData	Boolean	Indicates whether the org has access to staged data from recipes (`true`) or not (`false`).	Small, 53.0	53.0
orgHasTableau SeamlessAuth	Boolean	Indicates whether the org has token authentication for Tableau configured (`true`) or not (`false`).	Small, 60.0	60.0
orgHas Watchlist Enabled	Boolean	Indicates whether the org has watchlist enabled (`true`) or not (`false`).	Small, 49.0	49.0
orgHasWave NullDimension SAQLEnabled	Boolean	Indicates whether the org has null dimensions for CRM Analytics SAQL enabled (`true`) or not (`false`).	Small, 61.0	61.0

Property Name	Type	Description	Filter Group and Version	Available Version
`specialGroup IdForOrg`	Boolean	Indicates whether the org has a special group ID (`true`) or not (`false`).	Small, 55.0	55.0
`userCanUse Insights`	Boolean	Indicates whether the user can use Analytics (`true`) or not (`false`).	Small, 55.0	55.0
`userCanView Recipes`	Boolean	Indicates whether the user has read-only access to recipes (`true`) or not (`false`).	Small, 62.0	62.0
`userHasCdc Reporting ManageFolders`	Boolean	Indicates whether the user can manage Data 360 report folders (`true`) or not (`false`).	Small, 58.0	58.0
`userHasCdc ReportingView Folders`	Boolean	Indicates whether the user can view Data 360 report folders (`true`) or not (`false`).	Small, 58.0	58.0
`userHasCdc ReportingView Reports`	Boolean	Indicates whether the user can view Data 360 reports (`true`) or not (`false`).	Small, 58.0	58.0
`userHasData Cloud Reporting Enabled`	Boolean	Indicates whether the user can export Data 360 reports enabled (`true`) or not (`false`).	Small, 58.0	58.0
`userHasData CloudTabluar Download`	Boolean	Indicates whether the user can export Data 360 data (`true`) or not (`false`).	Small, 62.0	62.0
`userUse InsightsAdmin`	Boolean	Indicates whether the user is an CRM Analtyics admin (`true`) or not (`false`).	Small, 55.0	55.0
`userHasWatch Enabled`	Boolean	Indicates whether the user has Analytics watch enabled (`true`) or not (`false`).	Small, 58.0	58.0

SEE ALSO:

Features Configuration Resource

Wave File Metadata Collection

A collection of the metadata for Analytics files.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`files`	WaveFileMetadata[]	The list of file metadata.	Small, 36.0	36.0
`nextPageUrl`	String	The URL to get the next page of contents in the collection.	Small, 36.0	36.0
`totalSize`	Integer	The total count of the elements in the collection irrespective of the page.	Medium, 36.0	36.0
`url`	String	The URL to get the collection.	Small, 36.0	36.0

SEE ALSO:

Lens File Metadata Resource

Wave File Metadata

The metadata for an Analytics file.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`createdBy`	WaveUser	The user that created the file.	Medium, 36.0	36.0
`createdDate`	Date	The created date of the file.	Medium, 36.0	36.0
`id`	String	The 18 character file ID.	Small, 36.0	36.0
`lastAccessedDate`	Date	The last accessed date of the file.	Medium, 36.0	36.0
`lastModifiedDate`	Date	The last modified date of the file.	Medium, 36.0	36.0
`length`	Integer	The size of the binary file.	Small, 36.0	36.0
`name`	String	The name of the file.	Small, 36.0	36.0
`url`	String	The URL of the file.	Small, 36.0	36.0

SEE ALSO:

Lens File Resource

Lens File Metadata Resource

Wave Folder

An Analytics folder.

Properties

WaveFolder inherits properties from the abstract BaseWaveAsset. These base properties appear in WaveFolder alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
appLog	AppLog	The application log from the creation or upgrade of the application.	Supplemental, 49.0	49.0
applicationStatus	ConnectWave Application StatusEnum	The creation status of application. Valid values are: • `CancelledStatus` • `CompletedStatus` • `DataflowInProgress Status` • `ExtensionAssetTypeIn ProgressStatus` • `FailedStatus` • `InProgressStatus` • `NewStatus`	Medium, 36.0	36.0
attachedFiles	AssetReference[]	The id's of the files attached to the Analytics folder	Big, 39.0	39.0
canBeSharedExternally	Boolean	Indicates whether this app can be shared with Experience Cloud site users (`true`) or not (`false`).	Big, 37.0	37.0
defaultAsset	AssetReference	The default dashboard or lens that is presented when the app is viewed in App Runtime mode.	Big, 37.0	37.0
featuredAssets	Map<String, FeaturedAssets>	The map of featured assets for this application to be used in the UI.	Big, 39.0	39.0
icon	AssetReference	The asset icon.	Small, 36.0	36.0
installationHistoryUrl	String	The URL to the app's installation history.	Small, 56.0	56.0
isPinned	Boolean	Indicates whether this app is pinned (`true`) or not (`false`).	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
schedule	Map<String, WaveFolder Schedule>	The reoccurring schedule for app related tasks, like data refresh.	Big, 57.0	57.0
shares	WaveFolder Share[]	The folder shares list.	Big, 36.0	36.0
templateOptions	Template Options	The options used on the last action performed on a templated Analytics application.	Big, 37.0	37.0
templateSourceId	String	The source template ID or api name used to create the folder or application.	Medium, 36.0	36.0
templateValues	Map<String, Object>	The map of template values used to create or update the folder or application.	Big, 37.0	37.0
templateVersion	String	The version of the template this application was created from.	Medium, 37.0	37.0

SEE ALSO:

Folders List Resource

Folder Resource

Wave Folder Collection

A collection of Analytics folders.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
folders	WaveFolder[]	A list of folders or applications.	Small, 36.0	36.0
nextPageUrl	String	The URL for the next page of content in the collection.	Small, 36.0	36.0
totalSize	Integer	The total count of the elements in the collection.	Medium, 36.0	36.0
url	String	The URL for the collection.	Small, 36.0	36.0

SEE ALSO:

Folders List Resource

Wave Folder Schedule

An Analytics folder schedule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataRefreshSchedule	ScheduledItem	The reoccurring schedule for performing data refresh for an Analytics app.	Small, 57.0	57.0
url	String	The URL of the schedule.	Small, 57.0	57.0

SEE ALSO:

Folder Schedule Resource

Wave Folder Share

An Analytics folder sharing rule.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
accessType	ConnectWave AccessTypeEnum	The access type. Valid values are: • Edit • Manage • View	Small, 36.0	36.0
imageUrl	String	The URL of the user image.	Small, 36.0	36.0
shareType	ConnectWave ShareTypeEnum	The share type. Valid values are: • AllCspUsers • AllPrmUsers • CustomerPortalUser • Group • Organization • PartnerUser • PortalRole • PortalRoleAnd Subordinates • Role	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• RoleAndSubordinates • RoleAndSubordinates Internal • User		
sharedWithId	String	The ID of the user with the share representation.	Small, 36.0	36.0
sharedWithLabel	String	The label for the shared user, group, or org.	Small, 36.0	36.0
uniqueName	String	The unique name of the entity that the folder is shared with, applicable only to a user.	Small, 60.0	60.0

Wave User

An Analytics user.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The 18-character user ID.	Small, 36.0	36.0
name	String	The name of the user.	Small, 36.0	36.0
profilePhoto Url	String	The Chatter profile photo of the user.	Small, 36.0	36.0

Weekly Schedule

Specify a schedule that runs weekly for an Analytics asset.

Properties

Inherits notificationLevel, and time from Schedule

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday	Small, 39.0	39.0

362

Property Name	Type	Description	Filter Group and Version	Available Version
		• Thursday • Friday • Saturday • Sunday		

Weekly Scheduled Item

The weekly schedule for a data refresh.

Properties

Inherits properties from Scheduled Item

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectJsonXform DayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Small, 57.0	57.0

Widget Subscription Source

The widget subscription source.

Properties

WidgetSubscriptionSource inherits properties from the abstract SubscriptionSource.

Xmd Currency Settings

The extended metadata (Xmd) for currency settings of a currency field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`conversionRateDateField`	String	The conversion rate date field used when the currency was converted..	Small, 57.0	57.0
`currencies`	Map<String, XmdMeasure>	A map for the supported currencies.	Small, 57.0	57.0

Xmd Date Field

The extended metadata (Xmd) for the formatting of date fields.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`day`	String	The day of the month.	Small, 36.0	36.0
`epochDay`	String	The number of days that have elapsed since January 1, 1970 (midnight UTC).	Small, 36.0	36.0
`epochSecond`	String	The number of seconds that have elapsed since January 1, 1970 (midnight UTC). Corresponds to _sec_epoch in datasets.	Small, 36.0	36.0
`fiscalMonth`	String	The month number in fiscal year. Corresponds to _Month_Fiscal in datasets.	Small, 36.0	36.0
`fiscalQuarter`	String	The quarter number in fiscal year. Corresponds to _Quarter_Fiscal in datasets.	Small, 36.0	36.0
`fiscalWeek`	String	The week number in fiscal year. Corresponds to _Week_Fiscal in datasets.	Small, 36.0	36.0
`fiscalYear`	String	The Fiscal year. Corresponds to _Year_Fiscal in datasets.	Small, 36.0	36.0
`fullField`	String	The full-field field.	Small, 36.0	36.0
`hour`	String	The number of hours. If the date contains no hours, value is '0.' Corresponds to _Hour in datasets.	Small, 36.0	36.0
`minute`	String	The number of minutes. If the date contains no minutes, value is '0.' Corresponds to _Minute in datasets.	Small, 36.0	36.0
`month`	String	The month number in calendar year. Corresponds to _Month is datasets.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
quarter	String	The quarter number in calendar year. Corresponds to _Quarter in datasets.	Small, 36.0	36.0
second	String	The number of seconds. If the date contains no seconds, value is '0.' Corresponds to _Second in datasets.	Small, 36.0	36.0
week	String	The week number in calendar year. Corresponds to _Week in datasets.	Small, 36.0	36.0
year	String	The calendar year. Corresponds to _Year in datasets.	Small, 36.0	36.0

Xmd Dataset

The extended metadata (Xmd) for currency settings of a currency field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
basecurrency	String	The base currency for the dataset.	Small, 57.0	57.0
connector	String	The connector source for the dataset.	Small, 36.0	36.0
description	String	The description of the dataset.	Small, 36.0	36.0
fullyQualifiedName	String	The fully qualified name for the dataset version.	Small, 36.0	36.0
origin	String	The origin for the dataset version.	Small, 36.0	36.0
supportedCurrencies	String[]	A list of the supported currencies for the dataset.	Small, 57.0	57.0

Xmd Date

The extended metadata (Xmd) for a date.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
alias	String	The alias of the Date column.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether the date should be displayed as compact or not.	Small, 36.0	36.0
description	String	The description of the Date column.	Small, 36.0	36.0
fields	XmdDateField	The formatting information for the date fields.	Small, 36.0	36.0
firstDayOfWeek	Integer	Denotes the first day of the week.	Small, 36.0	36.0
fiscalMonthOffset	Integer	The offset number of months for the fiscal year in relation to the calendar year.	Small, 36.0	36.0
format	String	The format for date field.	Small, 53.0	53.0
fullyQualifiedName	String	The fully qualified name of the date.	Small, 39.0	39.0
isConvertedDateTime	Boolean	Indicates if the DateTime type is from timezone auto conversion or not.	Small, 44.0	44.0
isYearEndFiscalYear	Boolean	Indicates if the year end is the fiscal year or not.	Small, 36.0	36.0
label	String	The label of the Date column.	Small, 36.0	36.0
showInExplorer	Boolean	Indicates whether the dataset field can be selected from the dashboard designer or explorer when creating dashboards and lenses (`true`) or not (`false`). Even if `showInExplorer` is `false`, the field can still be used for SAQL queries, manually added in JSON, and accessed using the Analytics REST API.	Small, 36.0	36.0
type	ConnectWave DateType	The Date type. Valid values are: • `Date` • `DateOnly` • `DateTime`	Small, 43.0	43.0

Xmd Dimension Custom Action

The extended metadata (Xmd) for a custom action on an Analytics dataset dimension.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`icon`	String	The icon for the custom action.	Small, 36.0	36.0
`method`	String	The method for the custom action.	Small, 36.0	36.0
`target`	String	The target for the custom action.	Small, 36.0	36.0
`tooltip`	String	The tooltip for the custom action.	Small, 36.0	36.0
`url`	String	The URL for the custom action.	Small, 36.0	36.0

Xmd Dimension Member

The extended metadata (Xmd) for a member linked to a dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`color`	String	The color for the member. For example, set to "Blue".	Small, 36.0	36.0
`label`	String	The label for the member. For example, set to "United States".	Small, 36.0	36.0
`member`	String	The member value. For example, set to "USA".	Small, 36.0	36.0

Xmd Dimension Salesforce Action

The extended metadata (Xmd) for a Saleforce Action for a dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`enabled`	Boolean	Indicates whether the action is enabled for a specific dimension.	Small, 36.0	36.0
`name`	String	The name of the action.	Small, 36.0	36.0

Xmd Dimension

The extended metadata (Xmd) for a dimension in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
`conditional Formatting`	Conditional Formatting Property	The conditional formatting for a dimension.	Small, 42.0	42.0
`customActions`	Xmd Dimension CustomAction	The custom actions linked to this dimension.	Small, 36.0	36.0
`customActionsEnabled`	Boolean	Indicates whether the dimension has custom actions enabled (`true`) or not (`false`).	Small, 36.0	36.0
`defaultAction`	String	The default action for the dimension.	Small, 50.0	50
`field`	String	The field name of the dimension (used in queries).	Small, 36.0	36.0
`label`	String	The display name for the dataset field. Can be up to 40 characters.	Small, 36.0	36.0
`linkTemplate`	String	The URL to open when the user clicks the link in the actions menu. Overrides the default URL link, which is `/{{row.recordIdField}}`. The default finds the Salesforce record with the record ID specified in the `recordIdField` Xmd parameter. Must be 255 characters or less. To open a Salesforce record from a multi-org environment, enter `{{instanceUrl}}` to populate the org URL specified in the `organizations` section of the Xmd. Example: `/{{row.dimensionNameId}}`.	Small, 36.0	36.0
`linkTemplateEnabled`	Boolean	Indicates whether to display the link to open a Salesforce record or URL (`true`) or not (`false`). If set to `false` or not set, the menu doesn't	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		display the Open Record link option.		
linkTooltip	String	The tooltip that a dashboard viewer sees when they hover over the link in a Analytics lens or dashboard.	Small, 36.0	36.0
members	Xmd Dimension Member[]	Any customizations for specific values of the dataset fields. For example, for the "Country" field, change the label of the "USA" to "United States." And change the color for this value in a chart to blue. 📝 Note: When you change the label, the new label only appears in the user interface. You can't use the label in queries, like a query filter. For this, the best practice is to modify the field values when you create the dataset.	Small, 36.0	36.0
recordDisplayFields	String[]	An ordered list of dimensions and measures. These dataset fields are used to help a dashboard viewer identify a Salesforce record when multiple records match the action. For each field, specify its API name. In some instances, a dimension value is associated with multiple IDs and isn't unique. For example, an opportunity with the name "acme" has multiple opportunity IDs (and records). But the action or link can only be directed to one record.	Small, 36.0	36.0
recordIdField	String	The dataset field that contains the record ID of the Salesforce object that you want to perform the action on.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
recordOrganizationId Field	String	The record organization ID for this dimension.	Small, 36.0	36.0
salesforceActions	Xmd Dimension Salesforce Action" []	The actions that appear in the action menu. You can only add actions that are defined in the page layouts for the corresponding Salesforce object. If left blank, Analytics shows all actions.	Small, 36.0	36.0
salesforceActions Enabled	Boolean	Indicates if the Salesforce actions menu is enabled to appear on the field (`true`) or not (`false`). If set to `false` or not set, the menu doesn't display any actions.	Small, 36.0	36.0
showInExplorer	Boolean	Indicates whether the dataset field can be selected from the dashboard designer or explorer when creating dashboards and lenses (`true`) or not (`false`). Even if `showInExplorer` is `false`, the field can still be used for SAQL queries, manually added in JSON, and accessed using the Analytics REST API.	Small, 36.0	36.0

Xmd Measure Format

The extended metadata (Xmd) for the format of a measure in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
customFormat	String	When customizing the display, you can add a prefix, suffix, grouping separator, decimal separator, and leading and trailing zeros. You can also configure the number of digits. You can include any characters in prefixes and suffixes, including minus signs or currency symbols.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		You can use the following symbols to specifying a format. • 0. One digit. Use to add leading or trailing 0s. For example, if you apply custom format #,###.00 to 56375, the result is 56,375.00. • #. Adds zero or one digit. Use to show digits when applicable. For example, if you apply custom format #,###.## to 56375.56, the result is 56,375.56. • .(period). Symbol used as the decimal separator, like in the number 375.56. Analytics currently only supports the decimal symbol (.) as a decimal separator. • ,(comma). Symbol used as the grouping separator, like in 56,375. Analytics currently only supports the comma symbol (,) as a grouping separator. Example: [\"-$#,###.00$\",1]		
delimiters	Numeric Separators	The separators for the thousands and decimal places in the format.	Small, 48.0	48.0
unitMultiplier	Double	The multiplier for the unit. The multiplier changes a field's values by the same factor—like multiplying by 100 to convert decimals to percents. The multiplier must be a positive number.	Small, 36.0	36.0

Xmd Measure

The extended metadata (Xmd) for a measure in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
conditionalFormatting	Conditional Formatting Property	The conditional formatting for the measure.	Small, 42.0	42.0
currencySettings	XmdCurrency Settings	The currency settings for the currencies supported for a currency field.	Small, 57.0	57.0
field	String	The identifier (API name) for the dataset field.	Small, 36.0	36.0
format	XmdMeasure Format	The format details for the measure.	Small, 36.0	36.0
label	String	The display name for the dataset field. Can be up to 40 characters. For example, "Sales Amount".	Small, 36.0	36.0
showInExplorer	Boolean	Indicates whether the dataset field can be selected from the dashboard designer or explorer when creating dashboards and lenses (`true`) or not (`false`). Even if `showInExplorer` is `false`, the field can still be used for SAQL queries, manually added in JSON, and accessed using the Analytics REST API.	Small, 36.0	36.0

Xmd Metadata Collection

A collection of Analytics Xmd metadata.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The location of the Xmd collection.	Small, 36.0	36.0
xmds	XmdMetadata[]	The list of Xmd resources.	Small, 36.0	36.0

SEE ALSO:

Xmd List Resource

Xmd Metadata

The metadata for an Analytics Xmd.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWaveXmd TypeEnum	The type of Xmd. Values are: • asset • main • system • user	Small, 36.0	36.0
url	String	The location of this Xmd.	Small, 36.0	36.0

Xmd Organization

The extended metadata (Xmd) for an organization in an Analytics dataset.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID of the org.	Small, 36.0	36.0
instanceUrl	String	The org's My Domain login URL in the format https://*MyDomainName*.my.salesforce.com	Small, 36.0	36.0
label	String	The display name for the Salesforce org. Can be up to 40 characters.	Small, 36.0	36.0

Xmd

The extended metadata (Xmd) for an Analytics dataset version.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdBy	WaveUser	The user who created the Xmd.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
createdDate	Date	The time at which the Xmd was created, in ISO8601 date format.	Small, 36.0	36.0
dataset	XmdDataset	Locale-specific information about the dataset represented by this Xmd.	Small, 36.0	36.0
dates	XmdDate[]	A list of dates with formatting information.	Small, 36.0	36.0
derivedDimensions	XmdDimension[]	A list of derived dimensions with formatting information.	Small, 36.0	36.0
derivedMeasures	XmdMeasure[]	A list of derived measures with formatting information.	Small, 36.0	36.0
dimensions	XmdDimension[]	A list of dimensions with formatting information.	Small, 36.0	36.0
errorMessage	String	The message if there was error copying forward the current version's user Xmd to the newly created version.	Small, 37.0	37.0
language	ConnectWave LanguageEnum	The language in which this Xmd is localized. Values are: • bg: Bulgarian • zh_CN: Chinese Simplified • zh_TW: Chinese Traditional • hr: Croatian • cs: Czech • da: Danish • nl_NL: Dutch • en: English • en_GB: English (United Kingdom) • fi: Finnish • fr: French • de: German • el: Greek • hu: Hungarian • in: Indonesian • it: Italian • ja: Japanese • ko: Korean • no: Norwegian	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `pl`: Polish		
		• `pt_PT`: Portuguese (Portugal)		
		• `pt_BR`: Portuguese (Brazil)		
		• `ro`: Romanian		
		• `ru`: Russian		
		• `sk`: Slovak		
		• `sl`: Slovenian		
		• `es`: Spanish		
		• `es_MX`: Spanish (Mexico)		
		• `sv`: Swedish		
		• `th`: Thai		
		• `tr`: Turkish		
		• `uk`: Ukrainian		
		• `vi`: Vietnamese		
`lastModifiedBy`	WaveUser	The user who last updated the Xmd.	Small, 36.0	36.0
`lastModifiedDate`	Date	The last time the Xmd was modified, in ISO8601 date format.	Small, 36.0	36.0
`measures`	XmdMeasure[]	A list of measures with formatting information.	Small, 36.0	36.0
`organizations`	Xmd Organization[]	A list of organizations for multi-organization support.	Small, 36.0	36.0
`showDetailsDefault Fields`	String[]	An ordered list of dimensions and measures. The list defines the default order in which to show the dimensions and measures in the user interface.	Small, 36.0	36.0
`type`	ConnectWave XmdTypeEnum	The type of Xmd. Values are: • `asset` • `main` • `system` • `user`	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The location where this Xmd is stored.	Small, 36.0	36.0

SEE ALSO:

Xmd Resource

Asset Xmd Resource

ANALYTICS REST API APPENDICES

Use these appendices when working with enums and other shared resources.

Enums specific to the `/wave` namespace

This appendix contains the references for shared representations and enums that are used across the Analytics REST API resources. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API request and response bodies.

This page contains the reference for the DashboardStateRepresentation resource and all the representations that make up the dashboard state for API responses. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API response bodies.

This page contains the reference for the DashboardStateInputRepresentation resource and all the representations that make up the dashboard state for API POST and PATCH requests. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API request bodies.

Analytics REST API Enums

Enums specific to the `/wave` namespace

Enums are not versioned. Enum Values are returned in all API versions. Clients should handle values they don't understand gracefully.

Enum	Description
AutoInstallRequestFailedReason Enum	The reason that the auto-install request failed, where applicable. Valid values are: `AppConstructionFailure` `AppCreateFailure` `AppInstallationSkipped` `AppUpdateFailure` `CancelFailed` `DeleteFailed` `DependencyCancelled` `DependencyFailure` `FailedOther` `FailedToEnqueue` `OrganizationIncompatible` `RequestCancelled` `RetriesExhausted`

Enum	Description
	• WaveDisabled
AutoInstallRequestSearchOption Enum	Filters the results to include only the contents with specific search options. Valid values include: • ExcludeNonExistingApps • MostRecentOnlyByTemplateAndFolder • NonExistingAppsOnly
AutoInstallRequestSortOptionEnum	Sorts the results according to the given sort option. Valid values include: • CreatedDateAscending • CreatedDateDescending • FolderIdAscending • FolderIdDescending • FolderLabelAscending • FolderLabelDescending • LastModifiedDateAscending • LastModifiedDateDescending • RequestNameAscending • RequestNameDescending • RequestStatusAscending • RequestStatusDescending • RequestTypeAscending • RequestTypeDescending • TemplateApiNameAscending • TemplateApiNameDescending
AutoInstallRequestStatusEnum	The auto-install request status. Valid values include: • AppInProgress • Cancelled • Enqueued • Failed • InProgress • New • Skipped • Success
AutoInstallRequestTypeEnum	The type of the auto-install request. Valid values include: • OrgCompatibilityCheck • StartDataflow • WaveAppAutoUpdate

Enum	Description
	• `WaveAppCreate` • `WaveAppDelete` • `WaveAppUpdate` • `WaveEnable`
CollectionCreatedByTypeEnum	The type of user who created the pin. Valid values are: • `Admin` • `None` • `User`
CollectionTypeEnum	The collection type. Valid values are: `Static`
ConnectWaveAccessTypeEnum	The access type. Valid values are: • `Edit` • `Manage` • `View`
CollectionItemAssetTypeEnum	Filters the results by the collection item asset type. Valid values are: • `Component` • `Dashboard` • `DashboardSavedView` • `Lens` • `LightningDashboard` • `Report` • `TableauDashboard` • `TableauWorkbook`
CollectionPinTypeEnum	The type of pinning. Valid values are: • `All` • `Desktop` • `Mobile` • `None`
ConnectAnalyticsLicenseTypeEnum	The Analytics license types. Valid values are: • `Cdp` (Data 360) • `DataPipelineQuery` (Data Pipeline Query) • `EinsteinAnalytics` (CRM Analytics) • `IntelligentApps` (Intelligent Apps) • `Sonic` (Salesforce Data Pipeline)

Enum	Description
ConnectAnalyticsLimitTypeEnum	The types of limits used in Analytics. Valid values are: • `BatchTransformationHours` (Maximum dataflow runtime per month) • `DatasetQueries` (Maximum queries on datasets for all users) • `DatasetRowCount` (Maximum row of all datasets combined) • `MaxDailyRowsDataCloudOutputCon` (Maximum rows for Data 360 output per rolling 24-hour period) • `MaxDailyRowsHighOutputCon` (Maximum rows for all high volume tier output connectors per rolling 24-hour period) • `MaxDailyRowsLowOutputCon` (Maximum rows for all low volume tier output connectors per rolling 24-hour period) • `MaxDailyRowsMedOutputCon` (Maximum rows for all medium volume tier output connectors per rolling 24-hour period) • `MaxDailySizeHighOutputCon` (Maximum data size for all high volume tier output connectors per rolling 24-hour period) • `MaxDailySizeLowOutputCon` (Maximum data size for all low volume tier output connectors per rolling 24-hour period) • `MaxDailySizeMedOutputCon` (Maximum data size for all medium volume tier output connectors per rolling 24-hour period) • `MaxDailySizeVirtualPrivateCloudCon` (Maximum cumulative bytes of data sent through connections using a virtual private cloud in a rolling 24-hour period) • `MaxDailyUploadVolume` (Maximum cumulative bytes of data files uploaded to Salesforce in a rolling 24-hour period) • `MaxDailyWorkflowExecutions` (Maximum number of dataflow and recipe runs in a rolling 24-hour period) • `MaxRecipeOutRowsPerMonth` (Maximum number of rows output by all recipes to all datasets in a month) • `MaxReplicatedObjects` (Maximum number of connected objects) • `OutputLocalConnectorVolume` (Maximum cumulative bytes of data files written to Salesforce in a rolling 24-hour period) • `StagedDatasetRowCount` (Maximum rows for staged datasets)
ConnectDashboard SnapshotDriftState	The drift state of the watchlist item. Valid values are: • `Clean` (Indicates the snapshot is clean) • `Dirty` (Indicates the snapshot has drifted and is dirty) • `IgnoreQueryDrift` (Indicates the snapshot is dirty, but user has ignored it)
ConnectDashboardSnapshotItemLast RunStatusEnum	The status of the dashboard snapshot item run. Valid values are: • `DashboardBundleFailedToLoad` • `FailedToParseValue` • `FailedToPersistData` • `GenericException`

Enum	Description
	• QueryExecutionFailed
	• Success
ConnectEclairMapProjectionType Enum	The map projection. Valid values are:
	• AlbersUSA
	• Equirectangular
	• Mercator
ConnectEmailNotificationLevelEnum	Valid types of email notification levels you can set. Valid values are:
	• Always
	• Failures
	• Never
	• Warnings
ConnectJobTypeEnum	The type of job. Valid values are:
	• DataCloudRecipe
	• DataSync
	• FileUpload
	• Internal
	• Orchestrated
	• Recipe
	• Recipe_V3
	• Report
	• Restore
	• User
ConnectScheduleFrequencyType Enum	Frequency on which this schedule is run. Valid values are:
	• Daily (Run once per day)
	• Monthly (Run on one or more specific numeric days per month)
	• MonthlyRelative (Run on one or more relative days for month)
	• Weekly (Run on one or more days each week)
ConnectSubscriptionSourceType Enum	The type of subscription notification. Valid values are:
	• Collection
	• Dashboard
	• Widget
ConnectWaveApplicationStatus Enum	The creation status of application. Valid values are:
	• CancelledStatus
	• CompletedStatus

Enum	Description
	• `DataflowInProgressStatus`
	• `ExtensionAssetTypeInProgressStatus`
	• `FailedStatus`
	• `InProgressStatus`
	• `NewStatus`
ConnectWaveAssetTypeEnum	The asset type. The default type is Dashboard. Valid types are:
	• `Collection`
	• `Component`
	• `ContextualDashboard`
	• `Dashboard`
	• `DashboardSavedView`
	• `DashboardSnapshot`
	• `DataCloudReport`
	• `DataConnector`
	• `Dataflow`
	• `DataflowJob`
	• `DataflowJobNode`
	• `Dataset`
	• `DatasetShard`
	• `DatasetVersion`
	• `ExternalData`
	• `Folder`
	• `Lens`
	• `LightningComponent`
	• `LightningDashboard`
	• `LightningDashboardFolder`
	• `Recipe`
	• `RecipeConfiguration`
	• `RecipeModel`
	• `ReplicatedDataset`
	• `Report`
	• `ReportFolder`
	• `Story`
	• `TableauDashboard`
	• `TableauWorkbook`
	• `Template`
	• `Widget`

Enum	Description
	• `Workflow`
ConnectWaveAssetVisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • `All` (Show all assets) • `Limited` (Hide assets from viewers with view access)
ConnectWaveBorderEdgeTypeEnum	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top
ConnectWaveCompactFormCogroup TypeEnum	The compact form source cogroup type. Valid values are: • Anti • Inner • Left • Outer • Right • Semi
ConnectWaveCompactFormJoinType Enum	The compact form join type. Valid values are: • Inner • Left • Outer • Right
ConnectWaveConditionalFormatting TypeEnum	The conditional formatting type. Valid values are: • `Categories` • `Gradient` • `Multiple` • `Raw` • `Single` • `Static`
ConnectWaveConnectionModeEnum	The connection mode for data sync. For faster extracts, use `Incremental` or `PeriodicFull`. Valid values are: • `Full` • `Incremental` • `PeriodicFull`

Enum	Description
ConnectWaveDashboardSavedView Type	The type of saved view. • `Shared` • `User`
ConnectWaveDashboardSavedView DatasetStateType	The type of dataset state. Valid values are: • `Global`
ConnectWaveDataConnectorBundle Enum	The bundle type that the data connector belongs to. Valid values are: • `AmazonRedshift` • `AmazonS3` • `Azure` • `Cdp` • `Salesforce` • `Snowflake` • `Tableau`
ConnectWaveConnectorCategory Enum	The categories that the data connector belongs to. Valid values are: • `AdvancedPropertiesSupport` • `BatchRead` • `Direct` • `FileBased` • `FilterSupport` • `Output` • `Private`
ConnectWaveDashboardStepType Enum	The type of dashboard step. Valid values are: • Aggregate • AggregateFlex • Apex • Cdp • DirectReport • Discovery • Forecasting • Grain • Hierarchy • Lens • Multi • Saql • Soql • Sql

Enum	Description
	• Static
	• StaticFlex
	• Watchlist
ConnectWaveDataConnectorHandler Enum	The connector handler associated with the Analytics connector. Valid values are:
	• `Base`
	• `Legacy`
ConnectWaveDataConnectorType Enum	The type of Analytics connector. The valid values are:
	• `AmazonAthena`
	• `AmazonRedshiftOutput`
	• `AmazonS3`
	• `AmazonS3Output`
	• `AmazonS3Private`
	• `AwsRdsAuroraMySQL`
	• `AwsRdsAuroraPostgres`
	• `AwsRdsMariaDB`
	• `AwsRdsMySQL`
	• `AwsRdsPostgres`
	• `AwsRdsSqlServer`
	• `AzureDataLakeGen2Output`
	• `AzureSqlDatabase`
	• `AzureSqlDatawarehouse`
	• `Databricks (Beta)`
	• `GoogleAnalytics4`
	• `GoogleBigQuery`
	• `GoogleBigQueryDirect`
	• `GoogleBigQueryStandardSQL`
	• `GoogleSpanner`
	• `HerokuPostgres`
	• `HubSpot`
	• `MarketoV2`
	• `NetSuite`
	• `OracleEloqua`
	• `Redshift`
	• `RedshiftPrivate`
	• `SalesforceExternal`
	• `SalesforceMarketingCloudOAuth2`
	• `SapHanaCloud`

Enum	Description
	• SfdcLocal
	• SnowflakeComputing
	• SnowflakeDirect
	• SnowflakeOutput
	• SnowflakePrivate
	• SnowflakePrivateOutput
	• TableauOnline
	• TableauHyperOutput
	• Zendesk
ConnectWaveDataflowJobStatus Enum	The status of the dataflow job. Valid values are: • Cancelled • Failure • Preprocessing • Queued • Running • Success • Warning
ConnectWaveDatasetTypeEnum	The type of the dataset. Valid values are: • Default • Live • StagedData • Trended
ConnectWaveDataSourceTypeEnum	The type of datasource. Valid values are: • Apex • Cdp • Dataset • Hierarchy • ReportType • Saql • Sobject • Static
ConnectWaveDateType	The Date type. Valid values are: • Date • DateOnly • DateTime

Enum	Description
ConnectWaveHorizontalAlignment Enum	The horizontal alignment types. Valid values are: • `Center` • `Left` • `Right`
ConnectWaveImageFitTypeEnum	The image alignment types. Valid values are: • `FitHeight` • `FitWidth` • `Original` • `Stretch` • `Tile`
ConnectWaveInputWidgetDisplay FormatEnum	The display format of the input value. Valid values are: • `Currency` • `None` • `Percent`
ConnectWaveInputWidgetInputType Enum	The input type of the widget. Valid values are: • `Slider` • `Typein`
ConnectWaveInputWidgetValue FormatEnum	The value type of the step. Valid values are: • `Date` • `Number` • `Text`
ConnectWaveInteractionActionType Enum	The action type for the interaction. Valid values are: • `Clear` • `Flow` • `Navigate` • `Reset` • `Sort`
ConnectWaveInteractionClearType Enum	The type for the clear interaction. Valid values are: • `ClearAll` • `ClearExclude` • `ClearInclude`
ConnectWaveInteractionDestination TypeEnum	The destination type for the interaction. Valid values are: • `Component` • `Dashboard`

Enum	Description
	`Explore` `Lens` `Page` `Url`
ConnectWaveInteractionEventType Enum	The event type for the interaction. Valid values are: `Click` `Select`
ConnectWaveInteractionResetType Enum	The reset type for the interaction. Valid values are: `ResetFilters`
ConnectWaveLanguageEnum	The language in which this Xmd is localized. Valid values are: `bg`: Bulgarian `zh_CN`: Chinese Simplified `zh_TW`: Chinese Traditional `hr`: Croatian `cs`: Czech `da`: Danish `nl_NL`: Dutch `en`: English `en_GB`: English (United Kingdom) `fi`: Finnish `fr`: French `de`: German `el`: Greek `hu`: Hungarian `in`: Indonesian `it`: Italian `ja`: Japanese `ko`: Korean `no`: Norwegian `pl`: Polish `pt_PT`: Portuguese (Portugal) `pt_BR`: Portuguese (Brazil) `ro`: Romanian `ru`: Russian `sk`: Slovak `sl`: Slovenian

Enum	Description
	• `es`: Spanish
	• `es_MX`: Spanish (Mexico)
	• `sv`: Swedish
	• `th`: Thai
	• `tr`: Turkish
	• `uk`: Ukrainian
	• `vi`: Vietnamese
ConnectWaveSelectModeEnum	The select mode types. Valid values are: • Multi • MultiRequired • None • Single • SingleRequired
ConnectWaveVerticalAlignment Enum	The vertical alignment types. Valid values are: • `Bottom` • `Center` • `Top`
ConnectWaveVisualizationTypeEnum	The visualization type for a lens. Valid values are: • `Bullet` • `CalendarHeatMap` • `Combo` • `ComparisonTable` • `Flatgauge` • `Gauge` • `HeatMap` • `HorizontalBar` • `HorizontalDot` • `Line` • `Matrix` • `ParallelCoordinates` • `Pie` • `PivotTable` • `Polargauge` • `Pyramid` • `Rating` • `Scatter`

Enum	Description
	• StackWaterfall • StackedHorizontalBar • StackedVerticalBar • Time • TimeBar • TimeCombo • ValuesTable • VerticalBar • VerticalDot • Waterfall
ConnectWaveScheduleFrequencyTypeEnum	Frequency on which this schedule is run. Valid values are: • Daily (Run once per day) • EventDriven (Create Event Driven schedule) • Hourly (Run on one or more hours each day) • Minutely (Run subhourly each day) • Monthly (Run on one or more specific numeric days per month) • MonthlyRelative (Run on one or more relative days for month) • None (Not scheduled to run) • Weekly (Run on one or more days each week)
ConnectWaveDayOfWeekEnum	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday
ConnectWaveSelectorDisplayModeEnum	The display mode type. Valid values are: • Combo • Filter
ConnectWaveRelativeWeekEnum	Week within a month. Values values are: • First • Second • Third • Fourth

Enum	Description
	• Last
ConnectWaveShareTypeEnum	The share type. Valid values are: • AllCspUsers • AllPrmUsers • CustomerPortalUser • Group • Organization • PartnerUser • PortalRole • PortalRoleAndSubordinates • Role • RoleAndSubordinates • RoleAndSubordinatesInternal • User
ConnectWaveTemplateAppAction Enum	The last template action performed on the templated application. Valid values are: • AutoUpgrade • Create • DecoupleApp • Overlay • RefreshData • Upgrade
ConnectWaveTemplateTypeEnum	The template type. Valid values are: • App • Dashboard • Data • Embedded • Lens
ConnectWaveTemplateVisibility OptionsEnum	The template visibility options. Valid values are: • CreateApp • ManageableOnly • OrgCanViewOnly • ViewOnly
ConnectWaveTextOverflowEnum	The overflow of the text. Valid values are: • Truncate • Wrap

Enum	Description
ConnectWaveWidgetTypeEnum	The type of widget. Values are: • Box • Chart • CompareTable • Component" • Container • DateSelector • FilterPanel • GlobalFilters • Image • Inherit • Input • Link • ListSelector • Navigation • Number • PillBox • RangeSelector • Repeater • Table • Text • Url • ValuesTable
ConnectWaveXmdTypeEnum	The type of Xmd. Values are: • asset • main • system • user
CustomFilterPresetTypeEnum	The custom preset filter types. Valid values are: • AllTime • CurrentFiscalQuarter • CurrentFiscalQuarterToDate • CurrentFiscalYear • CurrentFiscalYearToDate • CurrentMonth • CurrentMonthToDate • CurrentQuarter

Enum	Description
	• `CurrentQuarterToDate`
	• `CurrentWeek`
	• `CurrentYear`
	• `CurrentYearToDate`
	• `Last180Days`
	• `Last30Days`
	• `Last7Days`
	• `Last90Days`
	• `Next180Days`
	• `Next30Days`
	• `Next7Days`
	• `Next90Days`
	• `NextFiscalQuarter`
	• `NextFiscalYear`
	• `NextMonth`
	• `NextQuarter`
	• `NextWeek`
	• `NextYear`
	• `PreviousFiscalQuarter`
	• `PreviousFiscalQuarterToDate`
	• `PreviousFiscalYear`
	• `PreviousFiscalYearToDate`
	• `PreviousFiscalMonth`
	• `PreviousFiscalMonthToDate`
	• `PreviousQuarter`
	• `PreviousQuarterToDate`
	• `PreviousWeek`
	• `PreviousYear`
	• `PreviousYearToDate`
DataPlatformAuditTypeEnum	The type of audit event. Valid values are:
	• `JobCancelled` (Job was canceled by a user)
	• `JobRunEventBased` (Job was run on an event-based schedule)
	• `JobRunManual` (Job was run manually)
	• `JobRunTimeBased` (Job was run on an time-based schedule)
	• `JobScheduleModified` (Job schedule was modified)
	• `JobScheduled` (Job was scheduled)
	• `JobUnscheduled` (Job was unscheduled)

393

Enum	Description
DatasetDmoMappingAppStatus Enum	The app status the mappings are associated with. Values are: • `Idle` • `InProgress` • `Undefined`

Map<Object,Object>	The map of dynamic options for Analytics apps. Valid options are:
	• `productionType`: valid values include
	  – `ATF_3_0`
	  – `Classic`
	• `runtimeLogEntryLevel`: valid values include
	  – `Fine`
	  – `Finer`
	  – `Finest`
	  – `Info`
	  – `Severe`
	  – `Warning`

HierarchyTypeEnum	The type of hierarchy used to facet. Valid values are: • `ForecastHierarchy` • `RoleHierarchy`
LayoutTypeEnum	The layout type. Valid values are: • `Component` • `SingleColumn` • `TwoColumn`
NotificationActionType	The notification action type. Valid values are: • `PostToSlack` • `SendEmail`
NumberTypeFormatEnum	The format for a template variable number type. Valid values are: • `Currency` • `Decimal` • `Percent` • `PercentFixed`
PageTypeEnum	The template wizard page type. Values are: • `Configuration` • `Validation`

Enum	Description
PanelItemTypeEnum	The template wizard panel item type. Valid values are: • `GroupBox` • `Image` • `LinkBox` • `Text` • `Variable`
RecipeDataType	The recipe data type. Valid values are: • `DateOnly` • `DateTime` • `Multivalue` • `Number` • `Text`
SubscriptionScheduleDayOfWeek	The days of the week for schedule frequency. Valid values are: • `Fri` • `Mon` • `Sat` • `Sun` • `Thu` • `Tue` • `Wed`
TooltipModeEnum	The tooltip mode. Valid values are: • `Custom` • `Default` • `None`
TemplateReadinessStatusEnum	The status of the readiness task. Valid values are: • `Complete` • `Failed` • `Warning`
VariableTypeEnum	The type of the template variable. Valid values are: • `ArrayType` • `BooleanType` • `CalculatedInsightFieldType` • `CalculatedInsightType` • `ConnectorType` • `DataLakeObjectFieldType`

Enum	Description
	`DataLakeObjectType` `DataModelObjectFieldType` `DataModelObjectType` `DatasetAnyFieldType` `DatasetDateType` `DatasetDimensionType` `DatasetMeasureType` `DatasetType` `DateTimeType` `NumberType` `ObjectType` `SobjectFieldType` `SobjectType` `StringType`

Property Name	Enum	Description	Required or Optional	Available Version
`sort`	ConnectWave DatasetSortOrder TypeEnum	The type of sort order to be applied to the returned dataset collection. Valid values are: `ConnectionName` (only valid if the dataset is a Live Dataset) `CreatedBy` `CreatedDate` `LastModified` `LastQueried` `LastRefreshed` `Mru` (Most Recently Used, last viewed date) `Name` `TotalRows`	Optional	38.0
`scope`	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: `Browse` `CreatedByMe` `InsightsApplicationsIs CansEdit` `Mru` (Most Recently Used)	Optional	38.0

Property Name	Enum	Description	Required or Optional	Available Version
		• SharedWithMe		
sort	ConnectWaveSort OrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are:	Optional	38.0
		• App		
		• CreatedBy		
		• CreatedById		
		• CreatedDate		
		• FolderName		
		• LastModified		
		• LastModifiedBy		
		• LastModifiedById		
		• LastModifiedDate		
		• Location		
		• Mru (Most Recently Used, last viewed date)		
		• Name		
		• Outcome		
		• Owner		
		• RefreshDate (for assets like datasets)		
		• RunDate (for assets like reports)		
		• Status		
		• Title		
		• Type		
template Filters	ConnectWave TemplateSearch FiltersEnum	The filter templates to apply to the returned collection. Valid values are:	Optional	57.0
		• AppsConstructedByTemplate		
		• AppsWithInstallHistory		

Analytics REST API Appendix

This appendix contains the references for shared representations and enums that are used across the Analytics REST API resources. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API request and response bodies.

AbstractFieldRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
defaultValue	Object	An optional default value	Small, 37.0	37.0
description	String	An optional description of the field	Small, 37.0	37.0
fieldType	ConnectWaveField TypeEnum	The type of the field. Valid values are: • Date • DateOnly • DateTime • Numeric • Text	Small, 37.0	37.0
format	String	For date field types, the format is used to parse the input value. For other field types, the format string is used for display.	Small, 37.0	37.0
label	String	The label for the field.	Small, 37.0	37.0
multiValue	Boolean	Indicates if the field is a multivalue field (true) or not (false). The default is false.	Small, 37.0	37.0
multiValue Separator	String	Required only for fields where multiValue is true. This is the value separator for multivalues.	Small, 37.0	37.0
name	String	The field developer name.	Small, 37.0	37.0
precision	Integer	The numeric precision or text length depending on the field type.	Small, 37.0	37.0
scale	Integer	The numeric scale for numeric field types only.	Small, 37.0	37.0
systemField	Boolean	Indicates if the field is a system field (true) or not (false). The default is false. System fields are not queryable.	Small, 37.0	37.0
uniqueId	Boolean	Indicates whether the field is a unique ID for the data set (true) or not (false). The default is false. There can only be one unique ID for any data set.	Small, 37.0	37.0

AdvancedPropertyValueRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the advanced property.	Small, 44.0	44.0
value	String	The value of the advanced property.	Small, 44.0	44.0

AssetReferenceRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The 18 character ID of the asset.	Small, 36.0	36.0
label	String	The asset label.	Small, 36.0	36.0
name	String	The asset developer name.	Small, 36.0	36.0
namespace	String	The namespace that qualifies the asset name. The default is the current organization's namespace, which is "empty namespace" for all organizations, except those developer edition orgs that have set a namespace.	Small, 37.0	37.0
url	String	The asset URL.	Small, 36.0	36.0

AssetReferenceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
id	String	The 18 character ID of the asset.	Optional (Id or Name must be provided)	36.0
name	String	The asset developer name.	Optional (Id or Name must be provided)	36.0
namespace	String	The namespace that qualifies the asset name. The default is the current organization's namespace, which is "empty namespace" for all organizations, except those developer edition orgs that have set a namespace.	Only required in orgs with namespace defined	37.0

AssetRevertHistoryInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
historyId	String	The required source history id for this asset to revert to.	Required	42.0
historyLabel	String	The history label to tag the revert change with.	Optional	42.0

BaseAssetInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
description	String	Short description of the asset	Required for POST; Optional in PATCH	36.0
name	String	The asset developer name.	Required for POST; Not allowed to edit in PATCH	36.0
label	String	The asset label.	Optional in POST and PATCH	37.0

BaseWaveAssetRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
assetSharing Url	String	The URL for opening this asset in the user interface. This is a form of deep linking. The server examines the link parameters, which can include urlType, assetId, orgId, and loginHost, as well as other optional parameters, and translates as necessary to produce the correct result on the target client. For example, it opens the asset on a desktop client, or mobile if you are on a mobile OS.	Small, 36.0	36.0
createdBy	WaveUser Representation	The user who created the asset.	Small, 36.0	36.0
createdDate	Date	The time at which the asset was created, in ISO8601 date format.	Small, 36.0	36.0
description	String	Short description of the asset.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The 18 character ID of the asset.	Small, 36.0	36.0
label	String	The asset label.	Small, 36.0	36.0
lastAccessed Date	Date	The last time the asset was accessed, in ISO8601 date format.	Small, 36.0	36.0
last ModifiedBy	WaveUser Representation	The user who last updated the asset.	Small, 36.0	36.0
lastModified Date	Date	The last time the asset was modified, in ISO8601 date format.	Small, 36.0	36.0
name	String	The asset developer name.	Small, 36.0	36.0
namespace	String	The namespace that qualifies the asset name. The default is the current organization's namespace, which is "empty namespace" for all organizations, except those developer edition orgs that have set a namespace.	Small, 36.0	36.0
permissions	Permissions Representation	The permissions for the current user.	Small, 36.0	36.0
type	ConnectWaveAsset TypeEnum	The asset type. The default type is Dashboard. Valid types are: • Collection • Component • Dashboard • DashboardSavedView • DashboardSnapshot • DataConnector • Dataflow • DataflowJob • DataflowJobNode • Dataset • DatasetShard • DatasetVersion • ExternalData • Folder • Lens • LightningComponent • LightningDashboard • LightningDashboardFolder	Optional, Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `Widget` • `Workflow`		
`url`	String	The asset URL.	Small, 36.0	36.0

TypedAssetReferenceRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
`type`	ConnectWaveAsset TypeEnum	The type of the asset.	Small, 51.0	51.0

TypedAssetReferenceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`type`	ConnectWaveAsset TypeEnum	The type of the asset.	Required	51.0

WaveUserRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
`id`	String	The 18-character user ID.	Small, 36.0	36.0
`name`	String	The name of the user.	Small, 36.0	36.0
`profilePhoto Url`	String	The Chatter profile photo of the user.	Small, 36.0	36.0

PermissionsRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
create	Boolean	Indicates whether the user can create an asset (true) or not (false).	Small, 45.0	45.0
manage	Boolean	Indicates whether the user can manage access on the asset (true) or not (false).	Small, 36.0	36.0
modify	Boolean	Indicates whether the user can modify the asset (true) or not (false).	Small, 36.0	36.0
view	Boolean	Indicates whether the user can view the asset (true) or not (false).	Small, 36.0	36.0

ScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
assetId	String	The asset ID that this schedule belongs to.	Small, 52.0	52.0
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • Daily (Run once per day) • EventDriven (Create Event Driven schedule) • Hourly (Run on one or more hours each day) • Minutely (Run subhourly each day) • Monthly (Run on one or more specific numeric days per month) • MonthlyRelative (Run on one or more relative days for month) • None (Not scheduled to run) • Weekly (Run on one or more days each week)	Small, 39.0	39.0
nextScheduled Date	Date	Next scheduled time (in UTC) for this schedule	Small, 43.0	43.0
notification Level	ConnectEmail NotificationLevel Enum	Email notification level of dataflow associated with this schedule. Valid values are: • Always	Small, 43.0	43.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Failures • Never • Warnings		
time	TimeRepresentation	Hour,minute, and timezone in which this schedule is run	Small 39.0	39.0

DailyScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • Daily (Run once per day) • EventDriven (Create Event Driven schedule) • Hourly (Run on one or more hours each day) • Minutely (Run subhourly each day) • Monthly (Run on one or more specific numeric days per month) • MonthlyRelative (Run on one or more relative days for month) • None (Not scheduled to run) • Weekly (Run on one or more days each week)	Small, 39.0	39.0
time	TimeRepresentation	Hour, minute, and timezone in which this schedule is run.	Small, 39.0	39.0

EventDrivenScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
triggerRule	String	The event based trigger rule that causes the asset to run.	Small, 53.0	53.0

HourlyScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Small, 40.0	40.0
hourly Interval	Integer	Number of hours between each queuing of the task.	Small, 40.0	40.0
lastHour	Integer	Last hour at which this task stops queuing.	Small, 40.0	40.0

MonthlyRelativeScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run) • `Weekly` (Run on one or more days each week)	Small, 39.0	39.0
time	TimeRepresentation	Hour, minute, and timezone in which this schedule is run.	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
dayInWeek	ConnectWaveDayOfWeekEnum	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Small, 39.0	39.0
weekInMonth	ConnectWave RelativeWeekEnum	Week within a month. Values values are: • `First` • `Second` • `Third` • `Fourth` • `Last`	Small, 39.0	39.0

MonthlySpecificScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run) • `Weekly` (Run on one or more days each week)	Small, 39.0	39.0
time	TimeRepresentation	Hour and timezone in which this schedule is run.	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
daysOfMonth	Integer[]	Days of the month on which the schedule runs (-1, 1–31). Months lacking specific days will skip the job. Can specify a single value of -1 to indicate the last day of the month (-1 cannot be used with other days).	Small, 39.0	39.0

WeeklyScheduleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run) • `Weekly` (Run on one or more days each week)	Small, 39.0	39.0
time	TimeRepresentation	Hour and timezone in which this schedule is run.	Small, 39.0	39.0
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Small, 39.0	39.0

TimeRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
hour	Integer	Hour at which this schedule is run (0-23).	Small, 39.0	39.0
minute	Integer	Minute at which this schedule is run (0-59).	Small, 39.0	39.0
timeZone	TimeZone Representation	Time zone of the hour at which the schedule is run.	Small, 39.0	39.0

TimeZoneRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
gmtOffset	Double	The signed offset, in hours, from GMT.	Small, 39.0	39.0
name	String	The display name of this time zone.	Small, 39.0	39.0
zoneId	String	The id of this time zone.	Small, 39.0	39.0

ScheduleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • Daily (Run once per day) • EventDriven (Create Event Driven schedule) • Hourly (Run on one or more hours each day) • Minutely (Run subhourly each day) • Monthly (Run on one or more specific numeric days per month) • MonthlyRelative (Run on one or more relative days for month) • None (Not scheduled to run) • Weekly (Run on one or more days each week)	Required	39.0

Property Name	Type	Description	Required or Optional	Available Version
notification Level	ConnectEmail NotificationLevel Enum	Level of email notification for the scheduled job. Valid values are: • `Always` • `Warnings` • `Failures` • `Never`	Optional	42.0
time	TimeInput Representation	The time when the schedule runs.	Required	39.0

DailyScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from ScheduleInputRepresentation on page 408

EventBasedScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from ScheduleInputRepresentation on page 408

Property Name	Type	Description	Required or Optional	Available Version
triggerRule	String	The expression defining the events that trigger the schedule of the target asset. Currently accepts scheduling of Dataflows and Recipes as the target.	Required	53.0

HourlyScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from ScheduleInputRepresentation on page 408

Property Name	Type	Description	Required or Optional	Available Version
daysOfWeek	ConnectWaveDayOf WeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Required	39.0

Property Name	Type	Description	Required or Optional	Available Version
hourly Interval	Integer	Number of hours in between queuing or scheduling of an asset.	Required	39.0
lastHour	Integer	Hour of day at which the schedule stops queuing the asset for processing.	Required	39.0

MonthlyRelativeScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from

Property Name	Type	Description	Required or Optional	Available Version
dayInWeek	ConnectWaveDayOf WeekEnum	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Small, 39.0	39.0
weekInMonth	ConnectWave RelativeWeekEnum	Week within a month. Values values are: • First • Second • Third • Fourth • Last	Small, 39.0	39.0

MonthlySpecificScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from

Property Name	Type	Description	Required or Optional	Available Version
daysOfMonth	Integer[]	Days of the month on which the schedule runs (1-31). Months lacking specific days will skip the job.	Required	39.0

WeeklyScheduleInputRepresentation

Inherits `frequency`, `notification`, and `time` from ScheduleInputRepresentation on page 408

Property Name	Type	Description	Required or Optional	Available Version
`daysOfWeek`	ConnectWaveDayOfWeekEnum[]	Days of the week on which the schedule runs. Valid values are: • `Monday` • `Tuesday` • `Wednesday` • `Thursday` • `Friday` • `Saturday` • `Sunday`	Required	39.0

TimeInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`hour`	Integer	First hour in the day on which the schedule is run.	Required	39.0
`minute`	Integer	Minute offset from hour on which the schedule is first run.	Required	39.0
`timeZone`	String	The time zone the schedule is stored in, which by default, is the user's time zone.	Required	39.0

Common Enums

ConnectAnalyticsLicenseTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
`licenseType`	ConnectAnalyticsLicenseTypeEnum	The Analytics license types. Valid values are: • `EinsteinAnalytics` (Analytics) • `Sonic` (Salesforce Data Pipeline)	Optional	51.0

ConnectAnalyticsLimitTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
types	ConnectAnalytics LimitTypeEnum	The types of limits used in Analytics. Valid values are:	Optional	51.0

The types of limits used in Analytics. Valid values are:

- `BatchTransformationHours` (Maximum dataflow runtime per month)
- `DatasetQueries` (Maximum queries on datasets for all users)
- `DatasetRowCount` (Maximum row of all datasets combined)
- `MaxDailyRowsHighOutput Con` (Maximum rows for all high volume tier output connectors per rolling 24-hour period)
- `MaxDailyRowsLowOutputCon` (Maximum rows for all low volume tier output connectors per rolling 24-hour period)
- `MaxDailyRowsMedOutputCon` (Maximum rows for all medium volume tier output connectors per rolling 24-hour period)
- `MaxDailySizeHighOutput Con` (Maximum data size for all high volume tier output connectors per rolling 24-hour period)
- `MaxDailySizeLowOutputCon` (Maximum data size for all low volume tier output connectors per rolling 24-hour period)
- `MaxDailySizeMedOutputCon` (Maximum data size for all medium volume tier output connectors per rolling 24-hour period)
- `OutputLocalConnector Volume` (Maximum cumulative bytes of data files written to Salesforce in a rolling 24-hour period)

ConnectWaveAssetTypeEnum

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWaveAsset TypeEnum	The asset type. The default type is Dashboard. Valid types are: • `Collection` • `Component` • `Dashboard` • `DashboardSavedView` • `DashboardSnapshot` • `DataConnector` • `Dataflow` • `DataflowJob` • `DataflowJobNode` • `Dataset` • `DatasetShard` • `DatasetVersion` • `ExternalData` • `Folder` • `Lens` • `LightningComponent` • `LightningDashboard` • `LightningDashboardFolder` • `Recipe` • `RecipeConfiguration` • `RecipeModel` • `ReplicatedDataset` • `Report` • `ReportFolder` • `Story` • `Widget` • `Workflow`	Optional, Small, 36.0	36.0

ConnectWaveAssetVisibilityType

Property Name	Type	Description	Filter Group and Version	Available Version
visibility	ConnectWaveAsset VisibilityType	Indicates whether the asset is hidden from users with view access or not. Valid values are: • All (Show all assets) • Limited (Hide assets from viewers with view access)	Small, 51.0	51.0

ConnectWaveScopeTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
scope	ConnectWaveScope TypeEnum	The type of scope to be applied to the returned collection. Valid values are: • CreatedByMe • Mru (Most Recently Used) • SharedWithMe	Optional	38.0

ConnectWaveDatasetSortOrderTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
sort	ConnectWave DatasetSortOrder TypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • CreatedBy • CreatedDate • LastModified • LastQueried • LastRefreshed • Mru (Most Recently Used, last viewed date) • Name • TotalRows	Optional	38.0

ConnectWaveSortOrderTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
sort	ConnectWaveSort OrderTypeEnum	The type of sort order to be applied to the returned collection. Valid values are: • `App` • `CreatedBy` • `CreatedDate` • `LastModified` • `LastModifiedBy` • `Mru` (Most Recently Used, last viewed date) • `Name` • `Type`	Optional	38.0

ConnectWaveScheduleFrequencyTypeEnum

Property Name	Type	Description	Required or Optional	Available Version
frequency	ConnectWave ScheduleFrequency TypeEnum	Frequency on which this schedule is run. Valid values are: • `Daily` (Run once per day) • `EventDriven` (Create Event Driven schedule) • `Hourly` (Run on one or more hours each day) • `Minutely` (Run subhourly each day) • `Monthly` (Run on one or more specific numeric days per month) • `MonthlyRelative` (Run on one or more relative days for month) • `None` (Not scheduled to run) • `Weekly` (Run on one or more days each week)	Required	39.0

ConnectWaveRelativeWeekEnum

Property Name	Type	Description	Filter Group and Version	Available Version
weekInMonth	ConnectWave RelativeWeekEnum	Week within a month. Values values are: • First • Second • Third • Fourth • Last	Small, 39.0	39.0

ConnectWaveDayOfWeekEnum

Property Name	Type	Description	Filter Group and Version	Available Version
dayInWeek	ConnectWaveDayOf WeekEnum	Days of the week on which the schedule runs. Valid values are: • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday • Sunday	Small, 39.0	39.0

ConnectEmailNotificationLevelEnum

Property Name	Type	Description	Filter Group and Version	Available Version
email Notification Level	ConnectEmail NotificationLevel Enum	Valid types of email notification levels you can set. Valid values are: • Always • Failures • Never • Warnings	Small, 42.0	42.0

Dashboard State Representation

This page contains the reference for the DashboardStateRepresentation resource and all the representations that make up the dashboard state for API responses. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API response bodies.

DashboardStateRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
dataSourceLinks	DashboardDataSourceLink Representation[]	The list of all datasource links in a dashboard.	Small, 39.0	DEPRECATED 39.0-56.0
dataSourceLinksInfo	DashboardDataSourceLinksInfo Representation[]	The list of datasource links information used as part of the dashboard.	Small, 57.0	57.0
filters	FilterItemRepresentation[]	The list of datasource filters applied in this dashboard.	Small, 41.0	41.0
gridLayouts	GridLayoutRepresentation[]	The list of all grid layouts for this dashboard. This property replaces the 'layouts' property and the two are mutually exclusive.	Small, 36.0	36.0
layouts	LayoutRepresentation[]	**DEPRECATED** The list of layouts for this dashboard. The `gridLayouts` parameter replaces this list.	Small, 36.0	36.0
parameters	ParameterItemRepresentation[]	The list of parameters created for this dashboard.	Small, 58.0	58.0
steps	Map<String, StepRepresentation>	The map of steps used to create this dashboard. The key string is the step name. Valid step types are: • AggregateFlexStep Representation • AggregateStepRepresentation • ApexStepRepresentation • ApexStepQueryRepresentation • CdpStepRepresentation • DirectReportStep Representation • ForecastingStepRepresentation • GrainStepRepresentation • HierarchyStepRepresentation	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• InputStepRepresentation		
		• LensStepRepresentation		
		• MultiQueryStepRepresentation		
		• SqlStepRepresentation		
		• SaqlStepRepresentation		
		• SoqlStepRepresentation		
		• StaticFlexStepRepresentation		
		• StaticStepRepresentation		
widgetStyle	GridLayoutWidgetStyle Representation	Default styling for widgets in this dashboard.	Small, 37.0	37.0
widgets	Map<String, DashboardWidget Representation>	The map of widgets used to create this dashboard. The key string is the widget name.	Small, 36.0	36.0

DashboardDataSourceLinkRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
fields	DashboardData SourceField Representation[]	The list of fields connected in the data source link.	Small, 39.0	39.0
label	String	The label of the data source link.	Small, 39.0	39.0
name	String	The name of the data source link.	Small, 39.0	39.0

DashboardDataSourceLinksInfoRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
enable Automatic Linking	Boolean	Indicates whether automatic linking is enabled for the dashboard (true) or not (false).	Small, 57.0	57.0
exclude Relationships	DashboardData SourceRelationship Representation[]	The list of data source exclude relationships from faceting in the dashboard.	Small, 57.0	57.0
links	DashboardData SourceLink Representation[]	The list of data source links for the dashboard.	Small, 57.0	57.0

418

DashboardDataSourceRelationshipRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
fromData Source	String	The fully qualified name of the "from" data source.	Small, 57.0	57.0
fromData SourceType	ConnectWaveData SourceTypeEnum	The type of the "from" data source. Valid values are: • Apex • Cdp • Dataset • Hierarchy • ReportType • Saql • Sobject • Static	Small, 57.0	57.0
toDataSource	String	The fully qualified name of the "to" data source.	Small, 57.0	57.0
toDataSource Type	ConnectWaveData SourceTypeEnum	The type of the "to" data source. Valid values are: • Apex • Cdp • Dataset • Hierarchy • ReportType • Saql • Sobject • Static	Small, 57.0	57.0

DashboardDataSourceFieldRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
dataSource Name	String	The datasource developer name.	Small, 39.0	39.0
dataSource Namespace	String	The namespace that qualifies the dataset name	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
dataSource Type	ConnectWaveData SourceTypeEnum	The type of datasource. Valid values are: • Apex • Cdp • Dataset • Hierarchy • ReportType • Saql • Sobject • Static	Small, 39.0	39.0
dataspace	String	The name of datasapce that the Data 360 object is assigned to.	Small, 62.0	62.0
fieldName	String	The name of field in the datasource.	Small, 39.0	39.0

FilterItemRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
cdpObject	String	The Data 360 datasource the filter applies to.	Small, 55.0	55.0
dataset	AssetReference Representation	The datasource to apply the filter to.	Small, 41.0	41.0
cdpObject	String	The Data 360 datasource in the `filters` section.	Small, 62.0	62.0
fields	String[]	The list of fields in filter.	Small, 41.0	41.0
hidden	Boolean	Indicates whether the filter is hidden in view mode (`true`) or not (`false`).	Small, 41.0	41.0
label	String	The label of the filter.	Small, 41.0	41.0
locked	Boolean	Indicates whether the filter is locked (`true`) or not (`false`).	Small, 41.0	41.0
operator	String	The operator for the filter.	Small, 41.0	41.0
sObject	String	The sObject datasource the filter applies to.	Small, 55.0	55.0
value	String	The value for the filter.	Small, 41.0	41.0

GridLayoutWidgetStyleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
background Color	String	The background color for the widget. This is a 6 character hex string. For example: #012345.	Small, 36.0	36.0
borderColor	String	The color of the widget's border. This is a 6 character hex string. For example: #012345.	Small, 36.0	36.0
borderEdges	ConnectWaveBorder EdgeTypeEnum[]	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top	Small, 36.0	36.0
borderRadius	Object	The border radius of the widget.	Small, 36.0	36.0
borderWidth	Object	The width of the widget's border.	Small, 36.0	36.0
bottomPadding	Integer	The amount of padding on the bottom of the widget when rendered on mobile clients.	Small, 36.0	36.0
leftPadding	Integer	The amount of padding on the left of the widget when rendered on mobile clients.	Small, 36.0	36.0
rightPadding	Integer	The amount of padding on the right of the widget when rendered on mobile clients.	Small, 36.0	36.0
tooltipStyle	TooltipStyle Representation	The style for the dashboard tooltips.	Small, 63.0	63.0
topPadding	Integer	The amount of padding on the top of the widget when rendered on mobile clients.	Small, 36.0	36.0

GridLayoutRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
maxWidth	Integer	Add the ability for users to specify the maximum width that their dashboard can flex to.	Small, 38.0	38.0
name	String	The name of this layout.	Small, 36.0	36.0

421

Property Name	Type	Description	Filter Group and Version	Available Version
numColumns	Integer	Add the number of columns for a dashboard grid layout that is customizable.	Small, 38.0	38.0
pages	GridLayoutPage Representation[]	The list of pages of widgets within the layout.	Small, 36.0	36.0
rowHeight	ConnectWaveRow HeightEnum	Specifies the grid cell row height. Valid values are: • Fine • Normal	Small, 39.0	39.0
selectors	String[]	The list of selectors this layout applies to.	Small, 36.0	36.0
style	GridLayoutStyle Representation	The styling for the layout.	Small, 37.0	37.0
version	Double	Version of this layout.	Small, 36.0	36.0
widgetStyle	GridLayoutWidget StyleRepresentation	**DEPRECATED** The default styling for widgets within the layout.	Small, 36.0	36.0—37.0

GridLayoutPageRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The display label for the page.	Small, 41.0	41.0
name	String	The unique id for a page within a layout.	Small, 41.0	41.0
navigation Hidden	Boolean	Indicates whether the page is hidden in the navigation widget (`true`) or not (`false`).	Small, 44.0	44.0
widgets	GridLayoutWidget Representation[]	Widgets within the page.	Small, 36.0	36.0

GridLayoutWidgetRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
background Image	String	The background image for the widget.	Small, 36.0	36.0
colspan	Integer	The number of grid layout columns this widget spans.	Small, 36.0	36.0
column	Integer	The column where this widget is located.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the widget.	Small, 36.0	36.0
row	Integer	The row where this widget is located.	Small, 36.0	36.0
rowspan	Integer	The number of grid layout rows this widget spans.	Small, 36.0	36.0
widgetStyle	GridLayoutWidget StyleRepresentation	The style of the widget.	Small, 36.0	36.0

GridLayoutStyleRepresentation

GridLayoutStyleRepresentation inherits properties from the abstract ImageParametersRepresentation. These base properties appear in GridLayoutStyleRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
background Color	String	The background color for the layout.	Small, 36.0	36.0
cellSpacingX	Integer	The horizontal spacing between grid cells.	Small, 36.0	36.0
cellSpacingY	Integer	The vertical spacing between grid cells.	Small, 36.0	36.0
gutterColor	String	The gutter color for the layout.	Small, 36.0	36.0

ParameterItemRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
defaultValue	Object	The default value of the parameter.	Small, 58.0	58.0
description	String	The description of the parameter.	Small, 58.0	58.0
label	String	The label of the parameter.	Small, 58.0	58.0
name	String	The name of the parameter.	Small, 58.0	58.0

ImageParametersRepresentation

ImageParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in ImageParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
alignmentX	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Small, 37.0	37.0
alignmentY	ConnectWaveVerticalAlignment Enum	The vertical alignment types.Valid values are: • `Bottom` • `Center` • `Top`	Small, 37.0	37.0
documentId	String	The document id of the image.	Small, 37.0	37.0
fit	ConnectWaveImageFitTypeEnum	The image alignment types. Valid values are: • `FitHeight` • `FitWidth` • `Original` • `Stretch` • `Tile`	Small, 37.0	37.0
image	[AssetReferenceRepresentation](#)	The image representation containing the name and the namespace.	Small, v39.0	39.0

LayoutRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
device	ConnectWaveLayoutDeviceType Enum	The device rendering this dashboard. Valid values are: • `Applewatch` • `Default` • `External` • `Ipad` • `Iphone`	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
orientation	ConnectWaveLayoutOrientation TypeEnum	The layout orientation of this dashboard. Valid values are: • Landscape • Portrait	Small, 36.0	36.0
pages	LayoutPageRepresentation[]	The list of layout pages available for the dashboard.	Small, 36.0	36.0
version	Double	The version of the layout for the dashboard.	Small, 36.0	36.0

LayoutPageRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
rows	String[]	The rows associated with a layout page.	Small, 36.0	36.0

AggregateStepRepresentation

AggregateStepRepresentation inherits properties from the abstract QueryStepRepresentation. These base properties appear in AggregateStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
isFacet	Boolean	Indicates whether this step is a global filter which can be faceted to other steps or widgets in the dashboard (true) or not (false).	Small, 36.0	36.0

AggregateFlexStepRepresentation

AggregateFlexStepRepresentation inherits properties from the abstract QueryStepRepresentation. These base properties appear in AggregateFlexStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (true) or not (false).	Small, 41.0	41.0

425

Property Name	Type	Description	Filter Group and Version	Available Version
cdpObject	String	The name of the Data 360 object used for the query.	Small, 54.0	54.0-57.0
cdpObjects	String[]	A list of the Data 360 object names used for the query.	Small, 58.0	58.0
connectionName	String	The name of the connection used for steps powered by external data.	Small, 48.0	48.0
dataspace	String	The dataspace name for Data 360 objects.	Small, 61.0	61.0
receiveFacetSource	ReceiveFacetSource Representation	The receive facet configurations.	Small, 41.0	41.0-47.0
sobject	String	The name of the sObject used for a SOQL query.	Small, 47.0	47.0
values	Map<String, DynamicValue Representation>	A map of dynamic data values.	Small, 57.0	57.0

ApexStepRepresentation

ApexStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in ApexStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
query	ApexStepQueryRepresentation	The queries to run for this step.	Small, 41.0	41.0

CdpStepRepresentation

CdpStepRepresentation inherits properties from the abstract FlexMetadataStepRepresentation. These base properties appear in CdpStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (true) or not (false).	Small, 54.0	54.0
dataspace	String	The dataspace name for Data 360 objects.	Small, 61.0	61.0
query	String	The query for the step.	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
receiveFacetSource	ReceiveFacetSource Representation	The receive facet source configuration	Small, 54.0	54.0
start	String	The start value for the step.	Small, 54.0	54.0
useLegacyCdpQuery Api	Boolean	Indicates whether this step uses the legacy Data 360 Query API (`true`) or not (`false`).	Small, 65.0	65.0
useExternalFilters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
useGlobal	Boolean	Indicates whether this step is faceted to the global step (`true`) or not (`false`).	Small, 54.0	54.0
values	Map<String, DynamicValue Representation>	A map of dynamic data values.	Small, 59.0	59.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 54.0	54.0

DirectReportStepRepresentation

DirectReportStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in DirectReportStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (`true`) or not (`false`).	Small, 56.0	56.0
query	DirectReportStepQuery Representation	The query to run for this step.	Small, 53.0	53.0
receiveFacetSource	ReceiveFacetSource Representation	The receive facet configuration.	Small, 56.0	56.0
start	String	The start value for the step.	Small, 56.0	56.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 56.0	56.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 56.0	5.0

427

ForecastingStepRepresentation

ForecastingStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in ForecastingStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
query	ForecastingStepQuery Representation	The query to run for this step.	Small, 59.0	59.0

GrainStepRepresentation

GrainStepRepresentation inherits properties from the abstract QueryStepRepresentation. These base properties appear in GrainStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
isFacet	Boolean	Indicates whether this step is a global filter which can be faceted to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 41.0	41.0
query	ApexStepQueryRepresentation	The queries to run for this step.	Small, 41.0	41.0

HierarchyStepRepresentation

HierarchyStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in HierarchyStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
filterField	String	The filter field to pass to the role hierarchy evaluation.	Small, 55.0	55.0
hierarchyType	HierarchyTypeEnum	The type of hierarchy used to facet. Valid values are: • `ForecastHierarchy` • `RoleHierarchy`	Small, 55.0	55.0
query	HierarchyStepQuery Representation	The query parameters to pass to the role hierarchy evaluation.	Small, 55.0	55.0

HierarchyStepQueryRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
limit	Integer	The maximum amount of results to return for this step.	Small, 55.0	55.0

InputStepRepresentation

InputStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in InputStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
start	String	The start value for the step.	Small, 56.0	56.0
valueType	ConnectWaveInputWidgetValueFormatEnum	The value type of the step. Valid values are: • `Date` • `Number` • `Text`	Small, 56.0	56.0
values	InputStepValuesRepresentation[]	The list of values for the step.	Small, 56.0	56.0

InputStepValuesRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
max	String	The max column in values.	Small, 56.0	56.0
min	String	The min column in values.	Small, 56.0	56.0

LensStepRepresentation

LensStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in LensStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
source	AssetReferenceRepresentation	The lens source for this step.	Small, 50.0	50.0

MultiQueryStepRepresentation

MultiQueryStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in MultiQueryStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
columns	ColumnRepresentation[]	The list of queries to run for this step.	Small, 36.0	36.0
datasets	AssetReferenceRepresentation[]	The list of datasets used by this step.	Small, 36.0	36.0
globalQuery	Query[]	The query override for all columns.	Small, 41.0	41.0
isFacet	Boolean	Indicates whether this step is a global filter which can be faceted to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 41.0	41.0
isGlobal	Boolean	Indicates whether this step is a global filter which can be faced to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 36.0	36.0
sortable	Boolean	Indicates whether this step supports quick sorting in preview mode (`true`) or not (`false`).	Small, 64.0	64.0
start	String	The start value for the step.	Small, 36.0	36.0
useExternalFilters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 36.0	36.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 36.0	36.0

SqlStepRepresentation

SqlStepRepresentation inherits properties from the abstract FlexMetadataStepRepresentation. These base properties appear in SqlStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		steps on the dashboard (`true`) or not (`false`).		
`connectionName`	String	The name of the connection for the step.	Small, 51.0	51.0
`query`	String	The query for the step.	Small, 51.0	51.0
`receiveFacetSource`	ReceiveFacetSource Representation	The receive facet configuration.	Small, 52.0	52.0
`start`	String	The start value for the step.	Small, 51.0	51.0
`useExternalFilters`	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
`useGlobal`	Boolean	Indicates whether this step is tied to the global step (`true`) or not (`false`).	Small, 53.0	53.0
`visualization Parameters`	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 51.0	51.0

SaqlStepRepresentation

SaqlStepRepresentation inherits properties from the abstract FlexMetadataStepRepresentation. These base properties appear in SaqlStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`broadcastFacet`	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (`true`) or not (`false`).	Small, 41.0	41.0
`query`	String	The SAQL query for the step.	Small, 39.0	39.0
`receiveFacetSource`	ReceiveFacetSource Representation	The receive facet source configuration	Small, 48.0	48.0
`sortable`	Boolean	Indicates whether this step supports quick sorting in preview mode (`true`) or not (`false`).	Small, 64.0	64.0
`start`	String	The start value for the step.	Small, 39.0	39.0
`useExternalFilters`	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0

Property Name	Type	Description	Filter Group and Version	Available Version
useGlobal	Boolean	Indicates whether this step is faceted to the global step.	Small, 39.0	39.0
values	Map<String, ReceiveFacetSource Representation>	A map of dynamic data values.	Small, 57.0	57.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 40.0	40.0

SoqlStepRepresentation

SoqlStepRepresentation inherits properties from the abstract FlexMetadataStepRepresentation. These base properties appear in SoqlStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether the step broadcasts faceting (`true`) or not (`false`).	Small, 55.0	55.0
isFacet	Boolean	Indicates whether this step is faceted to other steps on the dashboard (`true`) or not (`false`).	Small, 39.0	39.0
query	String	The query for the step.	Small, 39.0	39.0
receiveFacetSource	ReceiveFacetSource Representation	The receive facet source configuration.	Small, 55.0	55.0
start	String	The start value for the step.	Small, 39.0	39.0
useExternalFilters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 39.0	39.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for step visualization.	Small, 55.0	55.0

StaticStepRepresentation

StaticStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in StaticStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
datasets	AssetReferenceRepresentation[]	The list of datasets used by this step.	Small, 36.0	36.0
dimensions	String[]	A list of dimensions for the step.	Small, 36.0	36.0
isFacet	Boolean	Indicates whether this step is faceted to other steps on the dashboard (`true`) or not (`false`).	Small, 36.0	36.0
isGlobal	Boolean	Indicates whether this step is a global filter which can be faceted to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 36.0	36.0
start	String	The start value for the step.	Small, 36.0	36.0
useExternalFilters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 36.0	36.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 36.0	36.0

StaticFlexStepRepresentation

StaticFlexStepRepresentation inherits properties from the abstract FlexMetadataStepRepresentation. These base properties appear in StaticFlexStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (`true`) or not (`false`).	Small, 41.0	41.0
columns	StaticFlexStepColumn Representation	The metadata about the columns used in values.	Small, 47.0	47.0
isGlobal	Boolean	Indicates whether this step is a global filter which can be faced to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 36.0	36.0
start	String	The start value for the step.	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
useExternalFilters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Small, 64.0	64.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 39.0	39.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 40.0	40.0

QueryStepRepresentation

QueryStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in QueryStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
datasets	AssetReferenceRepresentation[]	The list of datasets used by this step.	Small, 36.0	36.0
interactions	InteractionRepresentation[]	A list of interactions for the widget.	Small, 64.0	64.0
isGlobal	Boolean	Indicates whether this step is a global filter which can be faced to other steps or widgets in the dashboard (`true`) or not (`false`).	Small, 36.0	36.0
query	Query	The query to run for this step.	Small, 36.0	36.0
sortable	Boolean	Indicates whether this step supports quick sorting in preview mode (`true`) or not (`false`).	Small, 64.0	64.0
start	String	The start value for the step.	Small, 36.0	36.0
useGlobal	Boolean	Indicates whether this step gets tied to the global step (`true`) or not (`false`).	Small, 36.0	36.0
visualization Parameters	StepVisualizationParameters Representation	The parameters for the step visualization.	Small, 36.0	36.0

FlexMetadataStepRepresentation

FlexMetadataStepRepresentation inherits properties from the abstract StepRepresentation. These base properties appear in FlexMetadataStepRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
groups	Object	The columns that are also groups.	Small, 39.0	39.0
numbers	Object	The number columns.	Small, 39.0	39.0
strings	Object	The string columns.	Small, 39.0	39.0

StepRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The display label for the step.	Small, 36.0	36.0
selectMode	ConnectWaveSelectModeEnum	The select mode types. Valid values are: • Multi • MultiRequired • None • Single • SingleRequired	Small, 36.0	36.0
type	ConnectWaveDashboardStepType Enum	The type of dashboard step. Valid values are: • Aggregate • AggregateFlex • Apex • Cdp • DirectReport • Discovery • Forecasting • Grain • Hierarchy • Lens • Multi • Saql • Soql • Sql • Static • StaticFlex • Watchlist	Small, 36.0	36.0

ApexStepQueryRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
body	Object	The body for the Apex request.	Small, 41.0	41.0
path	String	The path to the Apex controller.	Small, 41.0	41.0

DirectReportStepQueryRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
metadata	Object	The metadata for the query.	Small, 53.0	53.0
mode	DirectReportModeEnum	The query mode. Valid values are: • Aggregate • Details • Summary	Small, 53.0	53.0
reportId	String	The ID for the query report.	Small, 53.0	53.0

ForecastingStepQueryRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
forecastTypeId	String	The forecast type for the query.	Small, 59.0	59.0
startDate	Object	The start date for the query.	Small, 59.0	59.0
territoryId	String	The territory ID for the query.	Small, 59.0	59.0
userId	String	The user ID for the query.	Small, 59.0	59.0

StaticFlexStepColumnRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
aggregateFunction	String	The aggregate function for the column.	Small, 47.0	47.0
dataset	[AssetReferenceRepresentation](#)	The dataset used in the column.	Small, 47.0	47.0
field	String	The aggregate field for the column.	Small, 47.0	47.0

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWaveDashboardStatic StepColumnTypeEnum	The column type. Valid values are - String - Number - Grouping - Aggregate	Small, 47.0	47.0

StepVisualizationParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
options	LensVisualizationOptions	The configuration options for different lens visualizations. Valid values are: - BarLensVisualizationOptions - ComparisonTableLens VisualizationOptions - DotLensVisualizationOptions - HeatMapLensVisualization Options - MatrixLensVisualizationOptions - ParallelCoordsLensVisualization Options - PieLensVisualizationOptions - PivotTableLensVisualization Options - ScatterLensVisualization Options - StackedBarLensVisualization Options - TableLensVisualizationOptions - TimeLensVisualizationOptions - ValuesTableLensVisualization Options	Small, 36.0	36.0
parameters	Object	Valid widget parameters based on its type.	Small, 40.0	40.0
type	ConnectWaveWidgetTypeEnum	The type of the widget. Valid values are: Box	Small, 40.0	40.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Chart		
		• CompareTable		
		• Component		
		• Container		
		• DateSelector		
		• FilterPanel		
		• GlobalFilters		
		• Image		
		• Inherit		
		• Link		
		• ListSelector		
		• Navigation		
		• Number		
		• PillBox		
		• RangeSelector		
		• Repeater>		
		• Table		
		• Text		
		• Url		
		• ValuesTable		
visualizationType	String	The type of visualization. Valid values are:	Small, 36.0	36.0
		• Bullet		
		• CalendarHeatMap		
		• Combo		
		• ComparisonTable		
		• Flatgauge		
		• Gauge		
		• HeatMap		
		• HorizontalBar		
		• HorizontalDot		
		• Line		
		• Matrix		
		• ParallelCoordinates		
		• Pie		
		• PivotTable		
		• Polargauge		

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Pyramid` • `Rating` • `Scatter` • `StackWaterfall` • `StackedHorizontalBar` • `StackedVerticalBar` • `Time` • `TimeBar` • `TimeCombo` • `ValuesTable` • `VerticalBar` • `VerticalDot` • `Waterfall`		

ReceiveFacetSourceRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
`mode`	ConnectWaveDashboardStep ReceiveFacetModeTypeEnum	The type of receive facet mode. Valid values are: • All • Exclude • Include • None	Small, 48.0	48.0
`steps`	String[]	A list of steps that the current step receives or omits faceting from.	Small, 48.0	48.0

DashboardWidgetRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
`parameters`	Object	The valid widget parameters based on the type of widget. Parameter types include: • BoxWidgetParameters Representation	Small, 36.0	36.0

439

Property Name	Type	Description	Filter Group and Version	Available Version
		• CompareTableWidget ParametersRepresentation		
		• ComponentWidgetParameters Representation		
		• ContainerWidgetParameters Representation		
		• DateSelectorWidgetParameters Representation		
		• FilterPanelWidgetParameters Representation		
		• GlobalFiltersWidgetParameters Representation		
		• ImageWidgetParameters Representation		
		• InheritWidgetParameters Representation		
		• InputWidgetParameters Representation		
		• LinkWidgetParameters Representation		
		• ListSelectorWidgetParameters Representation		
		• NavigationWidgetParameters Representation		
		• `NumberWidget Parameters Representation`		
		• PillBoxWidgetParameters Representation		
		• RangeSelectorWidget ParametersRepresentation		
		• RepeaterWidgetParameters Representation		
		• TableWidgetParameters Representation		
		• TextWidgetParameters Representation		
		• UrlWidgetParameters Representation		
		• ValuesTableWidgetParameters Representation		

Property Name	Type	Description	Filter Group and Version	Available Version
position	WidgetPositionRepresentation	The position information for the widget.	Small, 36.0	36.0
type	String	The type of the widget. Valid values are: • Box • Chart • CompareTable • Component • Container • DateSelector • FilterPanel • GlobalFilters • Image • Inherit • Link • ListSelector • Navigation • Number • PillBox • RangeSelector • Repeater> • Table • Text • Url • ValuesTable	Small, 36.0	36.0

BoxWidgetParametersRepresentation

BoxWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in BoxWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundColor	String	The background color of the widget.	Small, 36.0	36.0
borderColor	String	The border color of the widget.	Small, 36.0	36.0
imageUrl	String	A 15-character or 18-character Salesforce document ID.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
stretch	Boolean	Indicates whether to stretch the widget.	Small, 36.0	36.0

CompareTableWidgetParametersRepresentation

CompareTableWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in CompareTableWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
exploreLink	Boolean	Indicates whether exploreLink is on (true) or not (false).	Small, 36.0	36.0
maxColumnWidth	Integer	The maximum width of the header column.	Small, 36.0	36.0
minColumnWidth	Integer	The minimum width of the header column.	Small, 36.0	36.0
step	String	The step name tied to this widget.	Small, 36.0	36.0
totals	Boolean	Indicates whether to use totals.	Small, 36.0	36.0

ComponentWidgetParametersRepresentation

ComponentWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in ComponentWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
attributes	Object<String, Object>	The map of this component's attribute values.	Small, 51.0	51.0
dynamicAttributes	Object<String, Object>	The map of this component's dynamic attribute values.	Small, 59.0	59.0
pageName	String	The default page of this widget.	Small, 50.0	50.0
shareState	Boolean	Indicates whether this component widget shares state with the parent dashboard (true) or not (false).	Small, 51.0	51.0
source	TypedAssetReference Representation[]	The component definition for this component widget.	Small, 46.0	46.0
step	String	The attached step for this component widget.	Small, 51.0	51.0

ContainerWidgetParametersRepresentation

ContainerWidgetParametersRepresentation inherits properties from the abstract ImageParametersRepresentation.

Property Name	Type	Description	Filter Group and Version	Available Version
`interactions`	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 58.0	58.0

DateSelectorWidgetParametersRepresentation

DateSelectorWidgetParametersRepresentation inherits properties from the abstract SelectorWidgetParametersRepresentation. These base properties appear in DateSelectorWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`absoluteModeEnabled`	Boolean	Indicates whether the widget has absolute mode enabled (`true`) or not (`false`).	Small, 43.0	43.0
`calendarType SwitchingAllowed`	Boolean	Indicates whether widget can switch calendar types (`true`) or not (`false`).	Small, 39.0	39.0
`customFilter Presets[]`	CustomFilterPresetTypeEnum	The list of custom preset filters. Valid values are: • `AllTime` • `CurrentFiscalQuarter` • `CurrentFiscalQuarter ToDate` • `CurrentFiscalYear` • `CurrentFiscalYearTo Date` • `CurrentMonth` • `CurrentMonthToDate` • `CurrentQuarter` • `CurrentQuarterToDate` • `CurrentWeek` • `CurrentYear` • `CurrentYearToDate` • `Last180Days` • `Last30Days` • `Last7Days`	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• `Last90Days`		
		• `Next180Days`		
		• `Next30Days`		
		• `Next7Days`		
		• `Next90Days`		
		• `NextFiscalQuarter`		
		• `NextFiscalYear`		
		• `NextMonth`		
		• `NextQuarter`		
		• `NextWeek`		
		• `NextYear`		
		• `PreviousFiscal Quarter`		
		• `PreviousFiscal QuarterToDate`		
		• `PreviousFiscalYear`		
		• `PreviousFiscalYearTo Date`		
		• `PreviousFiscalMonth`		
		• `PreviousFiscalMonth ToDate`		
		• `PreviousQuarter`		
		• `PreviousQuarterTo Date`		
		• `PreviousWeek`		
		• `PreviousYear`		
		• `PreviousYearToDate`		
`defaultFiscalMode`	Boolean	Indicates whether there is a default calendar type (`true`) or not (`false`).	Small, 39.0	39.0
`displayMode`	ConnectWaveSelectorDisplay ModeEnum	The display mode for dashboard selector widgets. Valid values are: • `Combo` • `Filter`	Small, 46.0	46.0
`expanded`	Boolean	Indicates whether the selector widget is expanded (`true`) or not (`false`).	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
presetsEnabled	Boolean	Indicates whether the widget has presets enabled (`true`) or not (`false`).	Small, 43.0	43.0
relativeModeEnabled	Boolean	Indicates whether the widget has relative mode enabled (`true`) or not (`false`).	Small, 43.0	43.0

FilterPanelWidgetParametersRepresentation

FilterPanelWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in FilterPanelWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
filterItemOptions	FilterItemOptionsRepresentation	The filter items options.	Small, 41.0	41.0
filters	FilterItemReferenceRepresentation	The list of filter references mapped to the `filters` section.	Small, 46.0	46.0
itemsPerRow	Integer	The number of filter items per row in a filter panel.	Small, 41.0	41.0
showAllFilters	Integer	Indicates whether to display all the filters or just one filter.	Small, 46.0	46.0
showInViewMode	Boolean	Indicates whether the filter panel is displayed in view mode (`true`) or not (`false`).	Small, 41.0	41.0
title	FilterPanelTitleRepresentation	The filter panel title text.	Small, 41.0	41.0

GlobaFiltersWidgetParametersRepresentation

GlobalFiltersWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in GlobalFiltersWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
step	String	The step name tied to this widget.	Small, 36.0	36.0

ImageWidgetParametersRepresentation

ImageWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in ImageWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
altText	String	The alternate text for the image.	Samll, 55.0	55.0
interactions	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 57.0	57.0
tooltip	String	The tooltip for the image widget.	Small, 42.0	42.0

InheritWidgetParametersRepresentation

InheritWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in InheritWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
step	String	The step name for this widget.	Small, 50.0	50.0

InputWidgetParametersRepresentation

InputWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in InputWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
activeValueColor	String	The active color value for this widget.	Small, 56.0	56.0
currentValueColor	String	The current color value for this widget.	Small, 56.0	56.0
displayFormat	ConnectWaveInputWidgetDisplayFormatEnum	The display format of the input value. Valid values are: • Currency • None • Percent	Small, 56.0	56.0
handleColor	String	The handle color for this widget.	Small, 56.0	56.0
increments	Object	The increments for this widget.	Small, 56.0	56.0
inputBackground Color	String	The background color for this widget.	Small, 56.0	56.0
inputBorderColor	String	The border color for this widget.	Small, 56.0	56.0

Property Name	Type	Description	Filter Group and Version	Available Version
inputType	ConnectWaveInputWidgetInput TypeEnum	The input type of the widget. Valid values are: • `Slider` • `Typein`	Small, 56.0	56.0
showCurrentValue	Boolean	Indicates whether to show the current value of the widget (`true`) or not (`false`).	Small, 56.0	56.0
showValuesRange	Boolean	Indicates whether to show the value range of the widget (`true`) or not (`false`).	Small, 56.0	56.0
step	String	The step name for this widget.	Small, 56.0	56.0
title	String	The title for this widget.	Small, 56.0	56.0
titleAlignment	ConnectWaveHorizontal AlignmentEnum	The title alignment of the widget. Valid values are: • `Center` • `Left` • `Right`	Small, 56.0	56.0
titleColor	String	The title color for this widget.	Small, 56.0	56.0
titleFontSize	Object	The title font size for this widget.	Small, 56.0	56.0
trackColor	String	The track color for this widget.	Small, 56.0	56.0
valuesRangeColor	String	The value range color for this widget.	Small, 56.0	56.0

LinkWidgetParametersRepresentation

LinkWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in LinkWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
destination	String	The destination of the link.	Small, 36.0	36.0
destinationLink	LinkDestinationRepresentation	The destination reference of this link. Valid values are: • LinkAssetDestination Representation	Small, 39.0	39.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• LinkPageDestination Representation • LinkUrlDestination Representation		
destinationType	ConnectWaveLinkWidgetDest TypeEnum	The type of asset the link refers to. Values are: • `Dashboard` • `Explore` • `Lens` • `Page` • `Url`	Small, 36.0	36.0
fontSize	Integer	The font size for the widget.	Small, 36.0	36.0
includeState	Boolean	Indicates whether to include the state.	Small, 36.0	36.0
text	String	The text value for the link.	Small, 36.0	36.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Small, 36.0	36.0
textColor	String	The text color for the widget.	Small, 36.0	36.0
visualizationType	String	The visualization type used for this widget. Valid values are: • `Bullet` • `CalendarHeatMap` • `Combo` • `ComparisonTable` • `Flatgauge` • `Gauge` • `HeatMap` • `HorizontalBar` • `HorizontalDot` • `Line` • `Matrix` • `ParallelCoordinates` • `Pie`	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• PivotTable		
		• Polargauge		
		• Pyramid		
		• Rating		
		• Scatter		
		• StackWaterfall		
		• StackedHorizontalBar		
		• StackedVerticalBar		
		• Time		
		• TimeBar		
		• TimeCombo		
		• ValuesTable		
		• VerticalBar		
		• VerticalDot		
		• Waterfall		

ListSelectorWidgetParametersRepresentation

ListSelectorWidgetParametersRepresentation inherits properties from the abstract SelectorWidgetParametersRepresentation. These base properties appear in ListSelectorWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether the list selector is compact (true) or not (false).	Small, 36.0	36.0
displayMode	ConnectWaveSelectorDisplay ModeEnum	The display mode for dashboard selector widgets. Valid values are: • Combo • Filter	Small, 46.0	46.0
displayTemplate	String	Display template for widget level projection.	Small, 39.0	39.0
expanded	Boolean	Indicates whether the list selector is expanded (true) or not (false).	Small, 36.0	36.0
exploreLink	Boolean	Indicates whether the list selector has an explore link (true) or not (false).	Small, 36.0	36.0

449

Property Name	Type	Description	Filter Group and Version	Available Version
interactions	InteractionRepresentation[]	A list of interactions for the widget.	Small, 64.0	64.0
measureField	String	The measure field associated with this widget.	Small, 36.0	36.0

NavigationWidgetParametersRepresentation

NavigationWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in NavigationWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
fontSize	Integer	The value indicating the default font size for all the text in the navigation.	Small, 43.0	43.0
selectedTab	TabStyleParameters Representation	The selected tab styles for the widget.	Small, 43.0	43.0
tabCount	Integer	The number of tabs to show in the widget.	Small, 43.0	43.0
textColor	String	The color value for the default tab text in the widget.	Small, 43.0	43.0

NumberWidgetParametersRepresentation

NumberWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in NumberWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether the widget is compact (`true`) or not (`false`).	Small, 36.0	36.0
destinationLink	LinkDestinationRepresentation	The destination reference of the link.	Small, 47.0	47.0
exploreLink	Boolean	Indicates whether the widget has an explore link (`true`) or not (`false`).	Small, 36.0	36.0
fontSize	String	The font size of the widget text.	Small, 36.0	36.0
interactions	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 57.0	57.0

Property Name	Type	Description	Filter Group and Version	Available Version
`measureField`	String	The measure field associated with the widget.	Small, 36.0	36.0
`noResultsLabel`	String	The text to display when no results are found.	Small, 45.0	45.0
`numberBold`	Object	The font weight of the number.	Small, 62.0	62.0
`numberColor`	String	The color of the number inside the widget.	Small, 36.0	36.0
`numberItalic`	Object	The font style of the number.	Small, 62.0	62.0
`numberSize`	Object	The size of the number inside the widget.	Small, 36.0	36.0
`persistActionMenu`	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
`step`	String	The step name associated to the widget.	Small, 36.0	36.0
`textAlignment`	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Small, 36.0	36.0
`textColor`	String	The color of the text inside the widget.	Small, 36.0	36.0
`title`	String	The title of the widget.	Small, 36.0	36.0
`titleBold`	Object	The font weight of the title.	Small, 62.0	62.0
`titleColor`	String	The title color of the widget.	Small, 36.0	36.0
`titleItalic`	Object	The font style of the title.	Small, 62.0	62.0
`titleSize`	String	The title size of the widget.	Small, 36.0	36.0
`tooltip`	TooltipRepresentation	The tooltip for the widget.	Small, 51.0	51.0

PillBoxWidgetParametersRepresentation

PillBoxWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in PillBoxWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether the widget is compact (`true`) or not (`false`).	Small, 36.0	36.0
displayTemplate	String	The display template for widget level projection.	Small, 39.0	39.0
exploreLink	Boolean	Indicates whether the widget has an explore link (`true`) or not (`false`).	Small, 36.0	36.0
fontSize	String	The default font size for all items in the widget.	Small, 45.0	45.0
interactions	InteractionRepresentation[]	A list of interactions for the widget.	Small, 64.0	64.0
measureField	String	The measure field associated with the widget.	Small, 36.0	36.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
selectedTab	TabStyleParameters Representation	The selected tab styles for the widget.	Small, 45.0	45.0
step	String	The step name associated to the widget.	Small, 36.0	36.0
textColor	String	The color of the default text in the widget.	Small, 36.0	36.0
title	String	The title of the widget.	Small, 36.0	36.0

RangeSelectorWidgetParametersRepresentation

RangeSelectorWidgetParametersRepresentation inherits properties from the abstract SelectorWidgetParametersRepresentation. These base properties appear in RangeSelectorWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
displayMode	ConnectWaveSelectorDisplay ModeEnum	The display mode for dashboard selector widgets. Valid values are: • `Combo` • `Filter`	Small, 46.0	46.0

RepeaterWidgetParametersRepresentation

RepeaterWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in RepeaterWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
cardProperties	RepeaterWidgetCardProperties Representation	The properties for a card for the widget.	Small, 53.0	53.0
cellProperties	Map<String, RepeaterWidgetCell PropertiesRepresentation>	A map of repeater cell properties for the widget.	Small, 53.0	53.0
exploreLink	Boolean	Indicates whether to display the explorer link (`true`) or not (`false`).	Small, 54.0	54.0
headerCell Properties	Map<String, RepeaterWidgetCell PropertiesRepresentation>	A map of repeater header cell properties for the widget.	Small, 64.0	64.0
interactions	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 57.0	57.0
itemsPerRow	Object	The number of cards per row of the widget.	Small, 53.0	53.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
showHeader	Boolean	Indicates whether to display the header (`true`) or not (`false`).	Small, 64.0	64.0
sortableColumns	Object	The sortable columns for the widget.	Small, 59.0	59.0
step	String	The step name associated to the widget.	Small, 53.0	53.0

TableWidgetParametersRepresentation

TableWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in TableWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
assistiveText	String	The assistive text for the widget.	Small, 64.0	64.0
borderColor	String	The outer border color for the widget.	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
borderWidth	Integer	The outer border width for the widget.	Small, 41.0	41.0
cell	TableWidgetCellParameters Representation	The cell properties for the widget.	Small, 41.0	41.0
collapsible	Boolean	Indicates whether the table is collapsible (true) or not (false).	Small, 50.0	50.0
columnProperties	ColumnPropertiesRepresentation	The column properties for the widget.	Small, 42.0	42.0
columnSubtotals	Boolean	Indicates whether to display column subtotals in the table (true) or not (false).	Small, 56.0	56.0
columnTotals	Boolean	Indicates whether to display column totals in the table (true) or not (false).	Small, 55.0	55.0
columns	Object	The columns for the widget.	Small, 41.0	41.0
customBulkActions	CustomBulkActionRepresentation	The custom bulk actions for the widget.	Small, 42.0	42.0
enableAllDataFetch	Boolean	Indicates whether all data is loaded (true) or data loading is paginated (false).	Small, 59.0	59.0
evenRowColor	String	The even row color for the widget.	Small, 41.0	41.0
exploreLink	Boolean	Indicates whether the widget has an explore link (true) or not (false).	Small, 38.0	38.0
fixedColumnWidth	Integer	The fixed column width for the widget.	Small, 40.0	40.0
header	TableWidgetCellParameters Representation	The header properties for the widget.	Small, 41.0	41.0
headerProperties	HeaderPropertiesRepresentation	The header properties for the table columns in the widget.	Small, 64.0	64.0
innerMajorBorder Color	String	The inner major border color for the widget.	Small, 41.0	41.0
innerMinorBorder Color	String	The inner minor border color for the widget.	Small, 41.0	41.0
interactions	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 57.0	57.0

Property Name	Type	Description	Filter Group and Version	Available Version
`maxColumnWidth`	Integer	The maximum column width for the widget.	Small, 40.0	40.0
`minColumnWidth`	Integer	The minimum column width for the widget.	Small, 40.0	40.0
`mode`	ConnectWaveTableModeEnum	The table mode for the widget. Valid values are: • `FitToContainer` • `Fixed` • `Variable`	Small, 40.0	40.0
`numberOfFrozen Columns`	Integer	The number of frozen columns for the widget.	Small, 50.0	50.0
`numberOfLines`	Integer	The number of lines of text per row for the widget.	Small, 41.0	41.0
`oddRowColor`	String	The odd row color for the widget.	Small, 41.0	41.0
`persistActionMenu`	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
`pivoted`	Boolean	Indicates whether to display the widget as pivot (`true`) or not (`false`).	Small, 39.0	39.0
`repeatGroupingRow Values`	Boolean	Indicates whether to repeat row values (`true`) or not (`false`).	Small, 66.0	66.0
`rowTotals`	Boolean	Indicates whether to display row totals in the table (`true`) or not (`false`).	Small, 55.0	55.0
`showRowIndexColumn`	Boolean	Indicates whether to show the row index column for the widget (`true`) or not (`false`).	Small, 41.0	41.0
`step`	String	The step name associated to the widget.	Small, 38.0	38.0
`subtotals`	Boolean	Indicates whether to show the subtotals row for the widget (`true`) or not (`false`).	Small, 47.0	47.0
`totals`	Boolean	Indicates whether to show the totals row for the widget (`true`) or not (`false`).	Small, 40.0	40.0

Property Name	Type	Description	Filter Group and Version	Available Version
verticalPadding	Integer	The cell vertical padding value for the widget.	Small, 41.0	41.0

TextWidgetParametersRepresentation

TextWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in TextWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
conditional FormattingSource	TextWidgetConditionalFormatting SourceRepresentation	The conditional formatting source for the widget.	Small, 57.0	57.0
content	DynamicDataRepresentation	The dynamic value of the text in the widget.	Small, 49.0	49.0
fontSize	Object	The font size of the text in the widget.	Small, 36.0	36.0
interactions	InteractionRepresentation[]	A list of the interaction parameters for the widget.	Small, 57.0	57.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
text	String	**DEPRECATED** The value of the text in the widget.	Small, 36.0	36.0-48.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Small, 36.0	36.0
textColor	String	The color of the text in the widget.	Small, 36.0	36.0
textOverflow	ConnectWaveTextOverflowEnum	The overflow of the text. Valid values are: • `Truncate` • `Wrap`	Small, 60.0	60.0
tooltip	String	The tooltip for the widget.	Small, 42.0	42.0

UrlWidgetParametersRepresentation

UrlWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in UrlWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
type	ConnectWaveUrlWidgetType	The type of URL for the widget. Valid values are: • `YouTube`	Small, 36.0	36.0
url	String	The URL for the widget.	Small, 36.0	36.0
videoSize	String	The size of the video the URL loads for the widget.	Small, 36.0	36.0

ValueTableWidgetParametersRepresentation

ValueTablesWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in ValueTablesWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
exploreLink	Boolean	Indicates whether the widget has an explore link (`true`) or not (`false`).	Small, 36.0	36.0
hideHeaderLink	Boolean	Indicates whether the header column is hidden for this widget (`true`) or not (`false`).	Small, 36.0	36.0
maxColumnWidth	Integer	The maximum column width for the widget.	Small, 36.0	36.0
minColumnWidth	Integer	The minimum column width for the widget.	Small, 36.0	36.0
step	String	The step name associated to the widget.	Small, 36.0	36.0
totals	Boolean	Indicates whether to show the totals row for the widget (`true`) or not (`false`).	Small, 36.0	36.0

WidgetParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
onboarding	WidgetOnboardingRepresentation	The value to indicate the widget onboarding content.	Small, 46.0	46.0
selectModeOverride	ConnectWaveSelectModeEnum	The select mode types. Valid values are: • Multi • MultiRequired • None • Single • SingleRequired	Small, 36.0	36.0
showActionMenu	Boolean	Indicates whether to display the widget action menu (true) or not (false).	Small, 44.0	44.0

WidgetOnboardingRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
title	String	The title of the onboarding content.	Small, 46.0	46.0
url	String	The URL of the onboarding content.	Small, 46.0	46.0

SelectorWidgetParametersRepresentation

SelectorWidgetParametersRepresentation inherits properties from the abstract WidgetParametersRepresentation. These base properties appear in SelectorWidgetParametersRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
displayMode	ConnectWaveSelectorDisplay ModeEnum	The display mode for dashboard selector widgets. Valid values are: • Combo • Filter	Small, 46.0	46.0
filterStyle	FilterStyleRepresentation	The styling properties for filter widgets.	Small, 46.0	46.0
instant	Boolean	Indicates whether the list selector is instant (true) or not (false).	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Small, 66.0	66.0
step	String	The step name associated to the widget.	Small, 36.0	36.0
title	String	The title of the widget.	Small, 36.0	36.0

WidgetPositionRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
h	String	The height of the widget.	Small, 36.0	36.0
w	String	The width of the widget.	Small, 36.0	36.0
x	Integer	The x-index of the widget.	Small, 36.0	36.0
y	Integer	The y-index of the widget.	Small, 36.0	36.0
zIndex	Integer	The z-index of the widget.	Small, 36.0	36.0

InteractionRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
actions	InteractionActionRepresentation[]	A list of the actions for the interaction. Valid actions types are: • InteractionClearAction Representation • InteractionFlowAction Representation • InteractionNavigateAction Representation • InteractionResetAction Representation	Small, 57.0	57.0
event	ConnectWaveInteractionEvent Type	The event type for the interaction. Valid values are: • `Click` • `Select`	Small, 57.0	57.0

InteractionActionRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
action	ConnectWaveInteractionAction TypeEnum	The action type for the interaction. Valid values are: • Clear • Flow • Navigate • Reset • Sort	Small, 57.0	57.0-59.0
type	ConnectWaveInteractionAction TypeEnum	The action type for the interaction. Valid values are: • Clear • Flow • Navigate • Reset • Sort	Small, 60.0	60.0

InteractionClearActionRepresentation

InteractionClearActionRepresentation inherits properties from the abstract InteractionActionRepresentation. These base properties appear in InteractionClearActionRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
clearType	ConnectWaveInteractionClear TypeEnum	The clear type for the interaction. Valid values are: • ClearAll • ClearExclude • ClearInclude	Small, 59.0	59.0
lensIds	String[]	A list of lens IDs for the interaction.	Small, 59.0	59.0

InteractionFlowActionRepresentation

InteractionFlowActionRepresentation inherits properties from the abstract InteractionActionRepresentation. These base properties appear in InteractionFlowActionRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`attributes`	Map<Object,Object>	A map of interaction attributes.	Small, 58.0	58.0
`name`	String	The API name of the action.	Small, 58.0	58.0

InteractionNavigateActionRepresentation

InteractionNavigateActionRepresentation inherits properties from the abstract InteractionActionRepresentation. These base properties appear in InteractionNavigateActionRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`destinationLink`	LinkDestinationRepresentation	The destination link for the action.	Small, 57.0	57.0
`destinationType`	ConnectWaveInteraction DestinationTypeEnum	The destination type for the action. Valid values are: • `Component` • `Dashboard` • `Explore` • `Lens` • `Page` • `Url`	Small, 57.0	57.0
`goBack`	Boolean	Indicates whether to navigate back on deselection (`true`) or not (`false`).	Small, 57.0	57.0

InteractionResetActionRepresentation

InteractionResetActionRepresentation inherits properties from the abstract InteractionActionRepresentation. These base properties appear in InteractionResetActionRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
`resetType`	ConnectWaveInteractionReset TypeEnum	The reset type for the action. Valid values are: • `ResetFilters`	Small, 58.0	58.0

TextWidgetConditionalFormattingSourceRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The field used to retrieve the conditional formatting for the widget.	Small, 57.0	57.0
scope	String	The scope of the conditional formatting rules for the widget	Small, 57.0	57.0
step	String	The step used to retrieve the conditional formatting rules for the widget	Small, 57.0	57.0

FilterItemOptionsRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundColor	String	The background color of the filter items.	Small, 41.0	41.0
borderColor	String	The border color of the filter items.	Small, 41.0	41.0
borderRadius	Integer	The border radius of the filter items.	Small, 41.0	41.0
borderWidth	Integer	The border width of the filter items.	Small, 41.0	41.0
propertyColor	String	The property color of the filter items.	Small, 41.0	41.0
valueColor	String	The value color of the filter items.	Small, 41.0	41.0

FilterItemReferenceRepresentation

FilterItemReferenceRepresentation inherits properties from the abstract FilterRepresentation. These base properties appear in FilterItemReferenceRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
cdpObject	String	The Data 360 datasource in the `filters` section.	Small, v55	55.0
dataset	AssetReferenceRepresentation[]	The dataset in the `filters` section.	Small, 46.0	46.0
field	String	The field in the `filters` section.	Small, 46.0	46.0

Property Name	Type	Description	Filter Group and Version	Available Version
sObject	String	The sObject in the `filters` section.	Small, v55	55.0

FilterPanelTitleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
separatorColor	String	The filter panel's title separator color.	Small, 41.0	41.0
text	TextRepresentation[]	The filter panel's title text.	Small, 41.0	41.0
visible	Boolean	Indicates whether the filter panel's title is visible (`true`) or not (`false`).	Small, 41.0	41.0

FilterRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	FilterParamRepresentation[]	The filter panel parameters.	Small, 41.0	41.0

FilterParamRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
filter	String	The filter expression that specifies which records to include.	Small, 41.0	41.0
saqlFilter	String	The SAQL expression that specifies which records to include.	Small, 44.0	44.0

LinkAssetDestinationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the asset referenced by the link.	Small, 45.0	45.0

Property Name	Type	Description	Filter Group and Version	Available Version
namespace	String	The namespace of the asset referenced by the link.	Small, 45.0	45.0
pageName	String	The page name for the link.	Small, 45.0	45.0
savedViewId	String	The dashboard saved view id for the link.	Small, 47.0	47.0
widgetId	String	The dashboard widget id for the link.	Small, 47.0	47.0

LinkPageDestinationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the page referenced by the link.	Small, 45.0	45.0

LinkUrlDestinationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
tooltip	String	The tooltip for the link.	Small, 45.0	45.0
tooltipMode	TooltipModeEnum	The tooltip mode. The status of the readiness task. Valid values are: • Custom • Default • None	Small, 62.0	62.0
url	String	The URL of the link.	Small, 45.0	45.0

TabStyleParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundColor	String	The background color for the tab.	Small, 43.0	43.0
borderColor	String	The border color for the tab.	Small, 43.0	43.0

Property Name	Type	Description	Filter Group and Version	Available Version
borderEdges	ConnectWaveBorderEdgeType Enum[]	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top	Small, 43.0	43.0
borderWidth	Integer	The border width for the tab.	Small, 43.0	43.0
textColor	String	The text color for the selected tab.	Small, 43.0	43.0

LinkDestinationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
tooltip	String	The tooltip for the link.	Small, 46.0	46.0
url	String	The URL for the link.	Small, 43.0	43.0

LinkMassActionDestinationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
actionName	String	The name of the action.	Small, 51.0	51.0
field	String	The field name for the action.	Small, 51.0	51.0
step	String	The step to invoke the action on.	Small, 51.0	51.0

TooltipRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
content	TooltipContentRepresentation	The content for the tooltip.	Small, 51.0	51.0
customizeTooltip	Boolean	Indicates whether the tooltip is customized (true) or not (false).	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
showTooltipTitle	Boolean	Indicates whether the tooltip title is visible (`true`) or not (`false`).	Small, 62.0	62.0

FilterStyleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
titleColor	String	The color of the displayed title.	Small, 46.0	46.0
valueColor	String	The color for the displayed value.	Small, 46.0	46.0

RepeaterWidgetCardPropertiesRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
cellSpacingX	Integer	The horizontal spacing between grid cells.	Small, 53.0	53.0
cellSpacingY	Integer	The vertical spacing between grid cells.	Small, 53.0	53.0
numColumns	Integer	The number of columns for a repeater grid.	Small, 53.0	53.0
rowHeight	ConnectWaveRowHeightEnum	Specifies the grid cell row height. Valid values are: • Fine • Normal	Small, 53.0	53.0
selectedStyles	CardSelectionStyleParameters Representation on page 466	The styling for the selected repeater card of the widget	Small, 54.0	54.0
styles	GridLayoutWidgetStyle Representation on page 421	The styling for the repeater card of the widget	Small, 53.0	53.0

CardSelectionStyleParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundColor	String	The background color of selected card. Must be a 6 digit hex string.	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
`borderColor`	String	The border color of selected card. Must be a 6 digit hex string.	Small, 54.0	54.0
`borderEdges`	ConnectWaveBorderEdgeType Enum[]	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top	Small, 54.0	54.0
`borderRadius`	Integer	The border radius of selected card.	Small, 54.0	54.0
`borderWidth`	Integer	The border width of selected card.	Small, 54.0	54.0

RepeaterWidgetCellPropertiesRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
`parameters`	Object	The parameters of the cell, based on it's type.	Small, 53.0	53.0
`position`	GridLayoutWidgetRepresentation on page 422	The cell position, dimension, and styles.	Small, 53.0	53.0
`type`	ConnectWaveRepeaterCellType Enum	The cell type. Valid values are: • `Image` (CellPropertiesImageParametersRepresentation) • `Number` (`CellPropertiesNumberParametersRepresentation`) • `Text` (`CellPropertiesTextParametersRepresentation`)	Small, 53.0	53.0

CellPropertiesImageParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
alignmentX	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the image. Valid values are: • `Center` • `Left` • `Right`	Small, 54.0	54.0
alignmentY	ConnectWaveVerticalAlignment Enum	The vertical alignment for the image. Valid values are: • `Bottom` • `Center` • `Top`	Small, 54.0	54.0
altText	String	The alternate text for the image.	Small, 54.0	54.0
fit	ConnectWaveImageFitTypeEnum	The fit type for the image. Valid values are: • `FitHeight` • `FitWidth` • `Original` • `Stretch` • `Tile`	Small, 54.0	54.0
source	Object	The source URL for the image.	Small, 54.0	54.0

CellPropertiesNumberParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether compact form is on (`true`) or not (`false`).	Small, 54.0	54.0
measureField	String	The measure field this number is calculated from.	Small, 54.0	54.0
noResultsLabel	String	The text to display when no results are found.	Small, 54.0	54.0
numberBold	Object	The font weight of the number.	Small, 62.0	62.0
numberColor	String	The color of the number.	Small, 54.0	54.0
numberItalic	Object	The font style of the number.	Small, 62.0	62.0

Property Name	Type	Description	Filter Group and Version	Available Version
numberSize	Object	The size of the number.	Small, 54.0	54.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment for the text. Valid values are: • Center • Left • Right	Small, 54.0	54.0
title	String	The title of the widget.	Small, 54.0	54.0
titleBold	String	The font weight of the title.	Small, 62.0	62.0
titleColor	String	The color of the title.	Small, 54.0	54.0
titleSize	String	The size of the title.	Small, 54.0	54.0

CellPropertiesTextParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
conditional FormattingSource	TextWidgetConditionalFormatting SourceRepresentation	The conditional formatting source for the text.	Small, 57.0	57.0
content	DynamicDataRepresentation	The dynamic value of the text.	Small, 53.0	53.0
interactions	InteractionRepresentation[]	A list of interactions for the text.	Small, 64.0	64.0
tooltip	TooltipRepresentation	The tooltip for the text.	Small, 57.0	57.0

TableWidgetCellParametersRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the table cell. Valid values are: • Center • Left • Right	Small, 62.0	62.0
backgroundColor	String	The background color of the cell.	Small, 41.0	41.0
backgroundColor	String	The background color of the cell.	Small, 41.0	41.0
fontColor	String	The color for the cell text font.	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
fontSize	Integer	The size for the cell text font.	Small, 41.0	41.0
italic	Boolean	Indicates whether the cell font style is italic (true) or not (false).	Small, 62.0	62.0
textWrap	Boolean	Indicates whether text wrapping is allowed (true) or not (false).	Small, 54.0	54.0
underline	Boolean	Indicates whether the cell font style is underlined (true) or not (false).	Small, 62.0	62.0

ColumnPropertiesRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	Object	The valid column parameters based on its type.	Small, 42.0	42.0
type	ConnectWaveColumnRenderType Enum	The render types of a column. Valid values are: • Bar (ColumnParametersBar Representation) • Image (ColumnParameters ImageRepresentation) • Text (ColumnParametersText Representation)	Small, 41.0	41.0

ColumnParametersBarRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
width	Integer	The width for the column.	Small, 54.0	54.0

ColumnParametersImageRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the image. Valid values are: • `Center` • `Left` • `Right`	Small, 54.0	54.0
height	Integer	The image height for the image.	Small, 54.0	54.0
width	Integer	The width for the column.	Small, 54.0	54.0

ColumnParametersTextRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the column. Valid values are: • `Center` • `Left` • `Right`	Small, 54.0	54.0
styles	TextStyleRepresentation	The text style for the column.	Small, 54.0	54.0
width	Integer	The width for the column.	Small, 54.0	54.0

TextStyleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
bold	Boolean	Indicates whether the text is bold (`true`) or not (`false`).	Small, 54.0	54.0
linkColor	String	The text color when the text is a link.	Small, 54.0	54.0

CustomBulkActionRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the custom action.	Small, 39.0	39.0
visualforce	AssetReferenceRepresentation	The VisualForce page to invoke for the custom action.	Small, 39.0	39.0

TextRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
align	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Small, 41.0	41.0
color	String	The color of the text.	Small, 41.0	41.0
fontSize	Integer	The font size of the text.	Small, 41.0	41.0
label	String	The label for the text.	Small, 41.0	41.0

ColumnRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
format	ConnectWaveColumnFormat Enum	The column format value. Valid values are: • `CurrencyCents` • `CurrencyDollars` • `Number` • `Percentage`	Small, 36.0	36.0
header	String	The header text of this column.	Small, 36.0	36.0
hidden	Boolean	Indicates whether the column is hidden (`true`) or not (`false`).	Small, 36.0	36.0
query	Query	The SAQL used to create the comparison table.	Small, 36.0	36.0

Property Name	Type	Description	Filter Group and Version	Available Version
showBars	Boolean	Indicates whether to show bars for the column (`true`) or not (`false`).	Small, 36.0	36.0
sort	ConnectWaveColumnSortEnum	The column sort order. Valid values are: • `None` • `Ascending` • `Descending` • `InnerAscending` • `InnerDescending`	Small, 36.0	36.0

DynamicDataRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
displayTemplate	String	The dynamic expression to resolve.	Small, 49.0	49.0
richTextContent	Map<String, RichTextContent BlockRepresentation[]	List of rich text content blocks.	Small, 52.0	52.0
values	Map<String, DynamicValue Representation>	Map to contain the data for the dynamic values.	Small, 49.0	49.0

RichTextContentBlockRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
attributes	Map<String, Object>	Map of text attribute names and values.	Small, 52.0	52.0
insert	String	The text block content	Small, 52.0	52.0

DynamicValueRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
compact	Boolean	Indicates whether the resolved value is compact (`true`) or not (`false`).	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The column used to resolve the value.	Small, 49.0	49.0
noResultsLabel	String	The text to display when no results are found.	Small, 55.0	55.0
sourcecType	ConnectWaveDynamicDataSource Type	The interaction type for the value. Valid values are: • Result • Selection	Small, 49.0	49.0
step	String	The step id for the value.	Small, 49.0	49.0

TooltipContentRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
body	TooltipVisualizationRepresentation	The visualization for the tooltip.	Small, 51.0	51.0-52.0
description	DynamicDataRepresentation	The text content for the tooltip.	Small, 51.0	51.0
widget	TooltipWidgetRepresentation	The widget displayed in the tooltip.	Small, 53.0	53.0

TooltipWidgetRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
height	Object	The height of the widget in the tooltip.	Small, 53.0	53.0
name	String	The name of the widget in the tooltip.	Small, 53.0	53.0
width	Object	The width of the widget in the tooltip.	Small, 53.0	53.0

TooltipVisualizationRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
height	Object	The height for the tooltip.	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
source	TypedAssetReference Representation	The source for the tooltip visualization.	Small, 51.0	51.0
width	Object	The width for the tooltip.	Small, 51.0	51.0

TooltipSourceRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the tooltip source.	Small, 51.0	51.0
namespace	String	The namespace of the tooltip source.	Small, 51.0	51.0
type	String	The type of the tooltip source.	Small, 51.0	51.0

TooltipStyleRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
backgroundColor	String	The background color of the tooltip.	Small, 63.0	63.0
labelColor	String	The label color of the tooltip.	Small, 63.0	63.0
valueColor	String	The value color of the tooltip.	Small, 63.0	63.0

HeaderPropertiesRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
tooltip	TableColumnHeaderTooltip Representation	The tooltip for the table column header.	Small, 54.0	64.0

TableColumnHeaderTooltipRepresentation

Property Name	Type	Description	Filter Group and Version	Available Version
sort	TooltipModeEnum	The tooltip mode. Valid values are: • Custom	Small, 64.0	64.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Default		
		• None		
text	String	The text for the tooltip.	Small, 54.0	64.0

Dashboard State Input Representation

This page contains the reference for the DashboardStateInputRepresentation resource and all the representations that make up the dashboard state for API POST and PATCH requests. The following representation details are not REST API endpoints on their own, but describe object representations used in REST API request bodies.

DashboardStateInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
dataSource Links	DashboardDataSourceLinkInput Representation[]	The list of datasource links used as part of the dashboard.	Optional	DEPRECATED 39.0-56.0
dataSource LinksInfo	DashboardDataSourceLinksInfoInput Representation[]	The list of datasource links information used as part of the dashboard.	Optional	57.0
filters	FilterItemInputRepresentation[]	The list of datasource filters applied in the dashboard.	Optional	41.0
gridLayouts	GridLayoutInputRepresentation[]	The list of GridLayoutInput Representation objects used as part of this dashboard. If present, `layouts` must not be set.	Optional	36.0
layouts	LayoutInputRepresentation[]	The list of LayoutInput Representation objects used as part of this dashboard.	Optional	36.0
parameters	ParameterItemInputRepresentation[]	The list of parameters created for this dashboard.	Optional	58.0
steps	Map<String, StepInputRepresentation>	The map of all the steps used to create this dashboard keyed with the step names. Valid step types are: • AggregateFlexQueryStepInput Representation • AggregateStepInput Representation	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• ApexStepInputRepresentation		
		• CdpStepInputRepresentation		
		• DirectReportStepInput Representation		
		• ForecastingStepInput Representation		
		• HierarchyStepInput Representation		
		• InputStepInputRepresentation		
		• GrainStepInputRepresentation		
		• LensStepInputRepresentation		
		• MultistepInputRepresentation		
		• SqlStepInputRepresentation		
		• SaqlStepInputRepresentation		
		• SoqlStepInputRepresentation		
		• StaticFlexStepInput Representation		
widgetStyle	GridLayoutWidgetStyleInput Representation	The default styling for widgets in this dashboard.	Optional	37.0
widgets	Map<String, DashboardWidgetInput Representation>	The map of all the Dashboard WidgetInputRepresentation objects used to create this dashboard keyed with their names.	Optional	36.0

DashboardDataSourceLinkInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
fields	DashboardData SourceFieldInput Representation[]	The list of fields connected in the datasource link.	Required	39.0
label	String	The label of the datasource link.	Required	39.0
name	String	The name of the datasource link.	Required	39.0

DashboardDataSourceLinksInfoInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
enable Automatic Linking	Boolean	Indicates whether automatic linking is enabled for the dashboard (`true`) or not (`false`).	Optional	57.0
exclude Relationships	DashboardData SourceRelationship Input Representation[]	The list of data source exclude relationships from faceting in the dashboard.	Optional	57.0
links	DashboardData SourceLinkInput Representation[]	The list of data source links for the dashboard.	Required	57.0

DashboardDataSourceRelationshipInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
fromData Source	String	The fully qualified name of the "from" data source.	Required	57.0
fromData SourceType	ConnectWaveData SourceTypeEnum	The type of the "from" data source. Valid values are: • `Apex` • `Cdp` • `Dataset` • `Hierarchy` • `ReportType` • `Saql` • `Sobject` • `Static`	Required	57.0
toDataSource	String	The fully qualified name of the "to" data source.	Required	57.0
toDataSource Type	ConnectWaveData SourceTypeEnum	The type of the "to" data source. Valid values are: • `Apex` • `Cdp` • `Dataset` • `Hierarchy`	Required	57.0

Property Name	Type	Description	Required or Optional	Available Version
		• `ReportType` • `Saql` • `Sobject` • `Static`		

DashboardDataSourceFieldInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`dataSource Name`	String	The developer name of the data source.	Required	39.0
`dataSource Namespace`	String	The namespace that qualifies the dataset asset name.	Optional	39.0
`dataSource Type`	ConnectWaveData SourceTypeEnum	The type of datasource. Valid values are: • `Apex` • `Cdp` • `Dataset` • `Hierarchy` • `ReportType` • `Saql` • `Sobject` • `Static`	Required	39.0
`dataspace`	String	The name of datasapce that the Data 360 object is assigned to.	Optional	62.0
`fieldName`	String	The name of the field in data source.	Required	39.0

ParameterItemInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`defaultValue`	Object	The default value of the parameter.	Required	58.0
`description`	String	The description of the parameter.	Optional	58.0
`label`	String	The label of the parameter.	Optional	58.0
`name`	String	The name of the parameter.	Required	58.0

FilterItemInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
cdpObject	String	The Data 360 datasource the filter applies to.	Required	55.0
dataset	AssetReferenceInput Representation	The datasource the filter applies to.	Required	41.0
dependent	Boolean	Indicates whether the filter item is dependent (`true`) or not (`false`).	Optional	45.0
fields	String[]	The list of fields in filter.	Optional	41.0
hidden	Boolean	Indicates whether the filter is hidden in view mode (`true`) or not (`false`).	Optional	41.0
label	String	The label of the filter.	Optional	41.0
locked	Boolean	Indicates whether the filter is locked (`true`) or not (`false`).	Optional	41.0
operator	String	The operator for the filter.	Required	41.0
sObject	String	The sObject datasource the filter applies to.	Required	55.0
value	String	The value for the filter.	Required	41.0

GridLayoutStyleInputRepresentation

GridLayoutStyleInputRepresentation inherits properties from the abstract ImageParametersInputRepresentation. These base properties appear in GridLayoutStyleInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
background Color	String	Background color for the layout.		37.0
cellSpacingX	Integer	Horizontal spacing between grid cells.		37.0
cellSpacingY	Integer	Vertical spacing between grid cells.		37.0
gutterColor	String	Gutter color of the layout.		39.0
widgetStyle	GridLayoutWidgetStyleInputRepresentation	Default styling for widgets across all layouts.	Optional	36.0

AggregateFlexQueryStepInputRepresentation

AggregateFlexQueryStepInputRepresentation inherits properties from the abstract LegacyStepWithQueryInputRepresentation. These base properties appear in AggregateFlexQueryStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the steps broadcasts facets (`true`) or not (`false`).	Optional	41.0
cdpObject	String	The name of the Data 360 object used for the query.	Optional	54.0-57.0
cdpObjects	String	A list of the Data 360 object names used for the query.	Optional	58.0
connection Name	String	The name of the connection used for querying external data.	Optional	48.0
dataspace	String	The dataspace name for Data 360 objects.	Optional	61.0
receiveFacet Source	ReceiveFacetSourceInputRepresentation	The receive facet source configuration for the step.	Optional	36.0
sobject	String	The name of the sObject used for the SOQL query.	Required	47.0
values	Map<String, DynamicValueInput Representation>	A map of dynamic data values.	Optional	57.0

AggregateStepInputRepresentation

AggregateStepInputRepresentation inherits properties from the abstract LegacyStepWithQueryInputRepresentation. These base properties appear in AggregateStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
isFacet	Boolean	Indicates whether the step is faceted (`true`) or not (`false`).	Required	36.0

ApexStepInputRepresentation

ApexStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in ApexStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
query	ApexStepQueryInputRepresentation	The query for the step	Required	41.0

ApexStepQueryInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
body	Object	The body for the Apex request.	Required	41.0
path	String	The path to the Apex controller.	Required	41.0

CdpStepInputRepresentation

CdpStepInputRepresentation inherits properties from the abstract FlexMetadataWithSimpleQueryStepInputRepresentation. These base properties appear in CdpStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the step broadcasts faceting (true) or not (false).	Optional	54.0
dataspace	String	The dataspace name for Data 360 objects.	Optional	61.0
receiveFacet Source	ReceiveFacetSource InputRepresentation	The receive facet source configuration	Required	54.0
useLegacyCdp QueryApi	Boolean	Indicates whether this step uses the legacy Data 360 Query API (true) or not (false).	Optional	65.0
values	Map<String, DynamicValue Representation>	A map of dynamic data values.	Required	59.0

DirectReportStepInputRepresentation

DirectReportStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in DirectReportStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcastFacet	Boolean	Indicates whether this step broadcasts faceting filters to other steps on the dashboard (true) or not (false).	Optional	56.0

482

Property Name	Type	Description	Required or Optional	Available Version
query	DirectReportStepQueryInput Representation	The query to run for this step.	Required	53.0
receiveFacetSource	ReceiveFacetSourceInput Representation	The receive facet configuration.	Optional	56.0

ForecastingStepInputRepresentation

ForecastingStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in ForecastingStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
query	ForecastingStepQueryInput Representation	The query to run for this step.	Required	59.0

GrainStepInputRepresentation

GrainStepInputRepresentation inherits properties from the abstract LegacyStepWithQueryInputRepresentation. These base properties appear in GrainStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
isFacet	Boolean	Indicates whether the step is faceted (`true`) or not (`false`).	Required	36.0

HierarchyStepInputRepresentation

HierarchyStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in HierarchyStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
filterField	String	The filter field to pass to the role hierarchy evaluation.	Required	55.0
hierarchyType	HierarchyTypeEnum	The type of hierarchy used to facet. Valid values are: • `ForecastHierarchy` • `RoleHierarchy`	Required	55.0

Property Name	Type	Description	Required or Optional	Available Version
query	HierarchyStepQuery Representation	The query parameters to pass to the role hierarchy evaluation.	Required	55.0

HierarchyStepQueryInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
limit	Integer	The maximum amount of results to return for this step.	Required	55.0

InputStepInputRepresentation

InputStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in InputStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
start	String	The start value for the step.	Required	56.0
valueType	ConnectWaveInputWidgetValue FormatEnum	The value type of the step. Valid values are: • `Date` • `Number` • `Text`	Required	56.0
values	InputStepValuesInput Representation[]	The list of values for the step.	Required	56.0

InputStepValuesInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
max	String	The max column in values.	Required	56.0
min	String	The min column in values.	Required	56.0

LensStepInputRepresentation

LensStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in LensStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
source	AssetReferenceInputRepresentation	The lens source for this step.	Required	50.0

MultiStepInputRepresentation

MultiStepInputRepresentation inherits properties from the abstract LegacyStepInputRepresentation. These base properties appear in MultiStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
columns	ColumnInputRepresentation[]	The list of columns of the comparison table.	Optional	36.0
globalQuery	QueryInput	The SAQL used to create the step.	Optional	36.0
isFacet	Boolean	Indicates whether the step is faceted (`true`) or not (`false`).	Optional	36.0

SqlStepInputRepresentation

SqlStepInputRepresentation inherits properties from the abstract FlexMetadataWithSimpleQueryStepInputRepresentation. These base properties appear in SqlStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the step broadcasts faceting (`true`) or not (`false`).	Optional	51.0
connection Name	String	The name of the connection used for querying external data	Required	51.0
receiveFacet Source	ReceiveFacetSource InputRepresentation	The receive facet configuration.	Optional	52.0

SaqlStepInputRepresentation

SaqlStepInputRepresentation inherits properties from the abstract FlexMetadataWithSimpleQueryStepInputRepresentation. These base properties appear in SaqlStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the step broadcasts faceting (`true`) or not (`false`).	Optional	41.0

485

Property Name	Type	Description	Required or Optional	Available Version
receiveFacet Source	ReceiveFacetSource InputRepresentation	The receive facet source configuration	Required	48.0
values	Map<String, Receive FacetSourceInput Representation>	A map of dynamic data values.	Required	57.0

SoqlStepInputRepresentation

SoqlStepInputRepresentation inherits properties from the abstract FlexMetadataWithSimpleQueryStepInputRepresentation.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the step broadcasts faceting (true) or not (false).	Optional	55.0
receiveFacet Source	ReceiveFacetSourceInputRepresentation	The receive facet source configuration.	Optional	55.0

StaticFlexStepInputRepresentation

StaticFlexStepInputRepresentation inherits properties from the abstract FlexMetadataStepInputRepresentation. These base properties appear in StaticFlexStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
broadcast Facet	Boolean	Indicates whether the step broadcasts faceting (true) or not (false).	Optional	41.0
columns	Map<String, StaticFlexStepColumnInput Representation>	A map of metadata values for the columns.	Optional	41.0
datasets	AssetReferenceInputRepresentation[]	**DEPRECATED** The list of all the datasets used for the step.	Optional	36.0-40.0
dimensions	String[]	**DEPRECATED** The list of the dimensions for the step.	Optional	36.0-40.0
isFacet	Boolean	**DEPRECATED** Indicates whether the step is faceted (true) or not (false).	Optional	36.0-40.0
isGlobal	Boolean	Indicates whether this step is a global filter which can be faced to	Optional	38.0

Property Name	Type	Description	Required or Optional	Available Version
		other steps or widgets in the dashboard (`true`) or not (`false`).		
values	String[]	The list of values of this step.	Optional	36.0

StaticStepInputRepresentation

StaticStepInputRepresentation inherits properties from the abstract LegacyStepInputRepresentation. These base properties appear in StaticStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
dimensions	String[]	The list of dimensions of the static step.	Optional	36.0
isFacet	Boolean	Indicates whether the step is faceted (`true`) or not (`false`).	Optional	36.0
values	String[]	The list of values for the step.	Optional	36.0
visualization Parameters	StepVisualizationParametersInput Representation	The visualization parameters for the dashboard step.	Optional	36.0

FlexMetadataWithSimpleQueryStepInputRepresentation

FlexMetadataWithSimpleQueryStepInputRepresentation inherits properties from the abstract FlexMetadataStepInputRepresentation. These base properties appear in FlexMetadataWithSimpleQueryStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
query	String	The query for the step.	Optional	39.0

FlexMetadataStepInputRepresentation

FlexMetadataStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in FlexMetadataStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
groups	Object	The subset of columns that define a semantic for the step.	Optional	39.0

Property Name	Type	Description	Required or Optional	Available Version
numbers	Object	The number-based columns for the step.	Optional	39.0
strings	Object	The string-based columns for the step.	Optional	39.0

LegacyStepWithQueryInputRepresentation

LegacyStepWithQueryInputRepresentation inherits properties from the abstract LegacyStepInputRepresentation. These base properties appear in LegacyStepWithQueryInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
query	String	QueryInput[] The query for the step.	Required	39.0

LegacyStepInputRepresentation

LegacyStepInputRepresentation inherits properties from the abstract StepInputRepresentation. These base properties appear in LegacyStepInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
datasets	String	AssetReferenceInput Representation[] The list of datasets used by the step.	Required	39.0
isGlobal	Boolean	Indicates whether the step is a global filter which can be faceted to other steps or widgets in the dashboard (true) or not (false).	Optional	36.0

StepInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
label	String	The display label of the step.	Optional	39.0

Property Name	Type	Description	Required or Optional	Available Version
selectMode	ConnectWaveSelectModeEnum	The select mode types. Valid values are: • Multi • MultiRequired • None • Single • SingleRequired	Optional	36.0
sortable	Boolean	Indicates whether this step supports quick sorting in preview mode (`true`) or not (`false`).	Optional	64.0
start	String	The start value of the step.	Optional	36.0
useExternal Filters	Boolean	Indicates whether this step uses external filters (`true`) or not (`false`).	Optional	64.0
useGlobal	Boolean	Indicates whether the step is tied to the global step (`true`) or not (`false`).	Optional	36.0
visualization Parameters	StepVisualizationParametersInput Representation	The visualization parameters for the step.	Optional	36.0

DirectReportStepQueryInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
metadata	Object	The metadata for the query.	Required	53.0
mode	DirectReportModeEnum	The query mode. Valid values are: • `Aggregate` • `Details` • `Summary`	Required	53.0
reportId	String	The ID for the query report.	Required	53.0

ForecastingStepQueryInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
forecastTypeId	String	The forecast type for the query.	Required	59.0
startDate	Object	The start date for the query.	Required	59.0
territoryId	String	The territory ID for the query.	Required	59.0
userId	String	The user ID for the query.	Required	59.0

StaticFlexStepColumnInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
aggregate Function	String	The aggregate function for the step.	Optional	47.0
dataset	AssetReferenceInputRepresentation	The dataset for the step.	Required	47.0
field	String	The aggregate field for the step.	Required	47.0
type	ConnectWaveDashboardStaticStepColumn TypeEnum	The column type. Valid values are • String • Number • Grouping • Aggregate	Required	47.0

ColumnInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
format	ConnectWaveColumnFormatEnum	The column format value. Valid values are: • CurrencyCents • CurrencyDollars • Number • Percentage	Optional	36.0
header	String	The header text of this column.	Optional	36.0
hidden	Boolean	Indicates whether the column is hidden (true) or not (false).	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
query	QueryInput	The SAQL used to create the comparison table.	Optional	36.0
showBars	Boolean	Indicates whether to show bars for the column (`true`) or not (`false`).	Optional	36.0
sort	ConnectWaveColumnSortEnum	The column sort order. Valid values are: • `None` • `Ascending` • `Descending` • `InnerAscending` • `InnerDescending`	Optional	36.0

ReceiveFacetSourceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
mode	ConnectWaveDashboard StepReceiveFacetMode TypeEnum	The type of receive facet mode. Valid values are: • All • Exclude • Include • None	Required	48.0
steps	String[]	A list of steps that the current step receives or omits faceting from.	Required	48.0

StepVisualizationParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
options	LensVisualizationOptionsInput	The visualization option associated with this step.	Optional	36.0
parameters	Object	The valid widget parameters based on its type.	Optional	40.0
type	ConnectWaveWidgetTypeEnum	The type of the widget. Valid values are: • `Box`		40.0

Property Name	Type	Description	Required or Optional	Available Version
		• Chart • CompareTable • Component • Container • DateSelector • FilterPanel • GlobalFilters • Image • Inherit • Link • ListSelector • Navigation • Number • PillBox • RangeSelector • Repeater> • Table • Text • Url • ValuesTable		
visualization Type	ConnectWaveVisualizationType Enum	The type of visualization. Valid values are: • Bullet • CalendarHeatMap • Combo • ComparisonTable • Flatgauge • Gauge • HeatMap • HorizontalBar • HorizontalDot • Line • Matrix • ParallelCoordinates • Pie • PivotTable • Polargauge • Pyramid	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• Rating		
		• Scatter		
		• StackWaterfall		
		• StackedHorizontalBar		
		• StackedVerticalBar		
		• Time		
		• TimeBar		
		• TimeCombo		
		• ValuesTable		
		• VerticalBar		
		• VerticalDot		
		• Waterfall		

GridLayoutInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
maxWidth	Integer	The maximum width that the dashboard flexes to.	Optional	38.0
name	String	Name of this layout.	Required	36.0
numColumns	Integer	The number of columns for a customizable dashboard grid layout.	Optional	38.0
pages	GridLayoutPageInputRepresentation[]	The list of pages of widgets within the layout.	Optional	36.0
rowHeight	ConnectWaveRowHeightEnum	Specifies the grid cell row height. Valid values are: • Fine • Normal	Optional	39.0
selectors	String[]	The list of selectors the layout applies to.	Optional	36.0
style	GridLayoutStyleInputRepresentation	The styling for the layout.	Optional	37.0
version	Double	Version of this layout.	Required	36.0
widgetStyle	GridLayoutWidgetStyleInput Representation	**DEPRECATED** Default styling for widgets within the layout.	Optional	36.0-37.0

GridLayoutPageInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
label	String	The display label for the page.	Optional	41.0
name	String	The unique id for a page within a layout.	Required	41.0
navigation Hidden	Boolean	Indicates whether the page is hidden in the navigation widget (true) or not (false).	Optional	44.0
widgets	GridLayoutWidgetInputRepresentation[]	The list of widgets within the page.	Required	36.0

GridLayoutWidgetInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
background Image	String	The background image for the widget.	Optional	36.0
colspan	Integer	The number of grid layout columns this widget spans.	Required	36.0
column	Integer	The column where this widget is located.	Required	36.0
name	String	The name of the widget.	Required	36.0
row	Integer	The row where this widget is located.	Required	36.0
rowspan	Integer	The number of grid layout rows this widget spans.	Required	36.0
widgetStyle	GridLayoutWidgetStyleInputRepresentation	The style of the widget.	Required	36.0

GridLayoutWidgetStyleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
background Color	String	The background color for the widget. This is a 6 character hex string. For example: #012345.	Required	36.0

Property Name	Type	Description	Required or Optional	Available Version
borderColor	String	The color of the widget border. This is a 6 character hex string. For example: #012345.	Required	36.0
borderEdges	ConnectWaveBorderEdgeTypeEnum[]	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top	Required	36.0
borderRadius	Integer	The border radius of the widget.	Optional	36.0
borderWidth	Integer	The width of the widget's border.	Required	36.0
bottomPadding	Integer	The amount of padding on the bottom of the widget when rendered on mobile clients.	Optional	36.0
leftPadding	Integer	The amount of padding on the left of the widget when rendered on mobile clients.	Optional	36.0
rightPadding	Integer	The amount of padding on the right of the widget when rendered on mobile clients.	Optional	36.0
tooltipStyle	TooltipStyleInputRepresentation	The style for the dashboard tooltips.	Optional	63.0
topPadding	Integer	The amount of padding on the top of the widget when rendered on mobile clients.	Optional	36.0

LayoutInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
device	ConnectWaveLayoutDeviceTypeEnum	The device rendering this dashboard. Valid values are: • Applewatch • Default • External • Ipad	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• Iphone		
orientation	ConnectWaveLayoutOrientationTypeEnum	The layout orientation of this dashboard. Valid values are: • Landscape • Portrait	Optional	36.0
pages	LayoutPageInputRepresentation[]	The list of LayoutPageInput Representation objects available for the dashboard.	Optional	36.0
version	Double	The version of the layout representation for the dashboard.	Optional	36.0

LayoutPageInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
rows	String[]	The rows associated with the layout page.	Optional	36.0

DashboardWidgetInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
parameters	Object	The valid widget parameters based on the type of widget. Parameter types include: • BoxWidget ParametersInput Representation • CompareTable WidgetParameters Input Representation • ComponentWidget ParametersInput Representation • ContainerWidget ParametersInput Representation	Optional for PATCH, required for POST	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• DateSelector WidgetParameters Input Representation		
		• FilterPanel WidgetParameters Input Representation		
		• GlobalFilters WidgetParameters Input Representation		
		• ImageWidget ParametersInput Representation		
		• InheritWidget ParametersInput Representation		
		• InputWidget ParametersInput Representation		
		• LinkWidget ParametersInput Representation		
		• ListSelector WidgetParameters Input Representation		
		• NavigationWidget ParametersInput Representation		
		• NumberWidget ParametersInput Representation		
		• PillBoxWidget ParametersInput Representation		
		• RangeSelector WidgetParameters Input Representation		

Property Name	Type	Description	Required or Optional	Available Version
		• `RepeaterWidget ParametersInput Representation` • `TableWidget ParametersInput Representation` • `TextWidget ParametersInput Representation` • `UrlWidget ParametersInput Representation` • `ValuesTable WidgetParameters Input Representation`		
`position`	WidgetPositionInputRepresentation	The position information of the widget on a dashboard.	Optional for PATCH, required for POST	36.0
`type`	ConnectWaveWidgetTypeEnum	The type of the widget. Valid values are: • `Box` • `Chart` • `CompareTable` • `Component` • `Container` • `DateSelector` • `FilterPanel` • `GlobalFilters` • `Image` • `Inherit` • `Link` • `ListSelector` • `Navigation` • `Number` • `PillBox` • `RangeSelector` • `Repeater>`	Optional for PATCH, required for POST	36.0

Property Name	Type	Description	Required or Optional	Available Version
		`Table` `Text` `Url` `ValuesTable`		

BoxWidgetParametersInputRepresentation

BoxWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in BoxWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
`backgroundColor`	String	The background color to be used for the widget.	Optional	36.0
`borderColor`	String	The border color to be used for the widget.	Optional	36.0
`imageUrl`	String	The documentId of the image to be used for the widget.	Optional	36.0
`stretch`	Boolean	Indicates whether to stretch the widget (`true`) or not (`false`).	Optional	36.0

CompareTableWidgetParametersInputRepresentation

CompareTableWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in CompareTableWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
`exploreLink`	Boolean	Indicates whether to display the explore link (`true`) or not (`false`).	Optional	36.0
`maxColumnWidth`	Integer	The maximum width of the header column.	Optional	36.0
`minColumnWidth`	Integer	The minimum width of the header column.	Optional	36.0
`step`	String	The step name for the widget.	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
totals	Boolean	Indicates whether the totals column is displayed (`true`) or not (`false`).	Optional	36.0

ComponentWidgetParametersInputRepresentation

ComponentWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in ComponentWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
attributes	Object<String, Object>	The map of this component's attribute values.	Required	51.0
dynamicAttributes	Object<String, Object>	The map of this component's dynamic attribute values.	Optional	59.0
pageName	String	The default page of this widget.	Required	50.0
shareState	Boolean	Indicates whether this component widget shares state with the parent dashboard (`true`) or not (`false`).	Required	51.0
source	TypedAssetReferenceInput Representation	The source asset for the component widget.	Required	46.0
step	String	The attached step for this component widget.	Required	51.0

ContainerWidgetParametersInputRepresentation

ContainerWidgetParametersInputRepresentation inherits properties from the ImageWidgetParametersInputRepresentation.

Property Name	Type	Description	Required or Optional	Available Version
interactions	InteractionInputRepresentation[]	A list of the interaction parameters for the widget.	Optional	58.0

DateSelectorWidgetParametersInputRepresentation

DateSelectorWidgetParametersInputRepresentation inherits properties from the abstract SelectorWidgetParametersInputRepresentation. These base properties appear in DateSelectorWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
`absoluteModeEnabled`	Boolean	Indicates whether absolute mode is enabled (`true`) or not (`false`).	Optional	43.0
`calendarType SwitchingAllowed`	Boolean	Indicates whether the widget can switch calendar types (`true`) or not (`false`).	Optional	39.0
`customFilter Presets[]`	CustomFilterPresetTypeEnum	The list of custom preset filters. Valid values are: • `AllTime` • `CurrentFiscalQuarter` • `CurrentFiscalQuarter ToDate` • `CurrentFiscalYear` • `CurrentFiscalYearTo Date` • `CurrentMonth` • `CurrentMonthToDate` • `CurrentQuarter` • `CurrentQuarterToDate` • `CurrentWeek` • `CurrentYear` • `CurrentYearToDate` • `Last180Days` • `Last30Days` • `Last7Days` • `Last90Days` • `Next180Days` • `Next30Days` • `Next7Days` • `Next90Days` • `NextFiscalQuarter` • `NextFiscalYear` • `NextMonth` • `NextQuarter` • `NextWeek` • `NextYear` • `PreviousFiscal Quarter`	Optional	54.0

Property Name	Type	Description	Required or Optional	Available Version
		• `PreviousFiscal QuarterToDate` • `PreviousFiscalYear` • `PreviousFiscalYearTo Date` • `PreviousFiscalMonth` • `PreviousFiscalMonth ToDate` • `PreviousQuarter` • `PreviousQuarterTo Date` • `PreviousWeek` • `PreviousYear` • `PreviousYearToDate`		
`defaultAbsoluteMode`	Boolean	**DEPRECATED** Indicates whether default date mode is absolute (`true`) or not (`false`).	Optional	39.0-42.0
`defaultFiscalMode`	Boolean	Indicates whether the fiscal mode is default (`true`) or not (`false`).	Optional	39.0
`displayMode`	ConnectWaveSelectorDisplay ModeEnum	The display mode type. Valid values are: • `Combo` • `Filter`	Optional	54.0
`expanded`	Boolean	Indicates whether the date selector is expanded (`true`) or not (`false`)	Optional	36.0
`presetsEnabled`	Boolean	Indicates whether presets are expanded (`true`) or not (`false`).	Optional	43.0
`modeSwitching Allowed`	Boolean	**DEPRECATED** Indicates whether the widget can switch between two date modes (`true`) or not (`false`).		39.0-42.0
`relativeModeEnabled`	Boolean	Indicates whether relative mode is enabled (`true`) or not (`false`).		43.0

FilterPanelWidgetParametersInputRepresentation

FilterPanelWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in FilterPanelWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
filterItemOptions	FilterItemOptionsInput Representation	The filter item options.	Optional	41.0
filters	FilterItemReferenceInput Representation	The list of filter references mapped to `filters` section.	Required	41.0
itemsPerRow	Integer	The number of filter items per row in the filter panel.	Optional	41.0
showAllFilters	Boolean	Indicates whether all filters are displayed (`true`) or just one (`false`).	Optional	41.0
showInViewMode	Boolean	Indicates whether the filter panel is displayed in view mode (`true`) or not (`false`).	Optional	41.0
title	FilterItemTitleInputRepresentation	Indicates whether the filter panel is displayed in view mode (`true`) or not (`false`).	Optional	41.0

GlobalFiltersWidgetParametersInputRepresentation

GlobalFiltersWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in GlobalFiltersWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
step	String	The step name tied to the widget.	Optional	36.0

ImageWidgetParametersInputRepresentation

ImageWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in ImageWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
alignmentX	ConnectWave HorizontalAlignment Enum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Optional	37.0
alignmentY	ConnectWave VerticalAlignment Enum	The vertical alignment types. Valid values are: • `Bottom` • `Center` • `Top`	Optional	37.0
documentId	String	The document ID of the image.	Required	37.0
fit	ConnectWaveImage FitTypeEnum	The image alignment types. Valid values are: • `FitHeight` • `FitWidth` • `Original` • `Stretch` • `Tile`		37.0
image	AssetReferenceInput Representation	Image representation containing the name and namespace		39.0
interactions	InteractionInput Representation[]	A list of the interaction parameters for the widget.	Optional	58.0
tooltip	String	The tooltip the image.	Optional	42.0

InheritWidgetParametersInputRepresentation

InheritWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in InheritWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
step	String	The step name for this widget.	Required	50.0

InputWidgetParametersInputRepresentation

InputWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in InputWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

504

Property Name	Type	Description	Required or Optional	Available Version
`activeValueColor`	String	The active color value for this widget.	Required	56.0
`currentValueColor`	String	The current color value for this widget.	Required	56.0
`displayFormat`	ConnectWaveInputWidgetDisplayFormatEnum	The display format of the input value. Valid values are: • `Currency` • `None` • `Percent`	Required	56.0
`handleColor`	String	The handle color for this widget.	Required	56.0
`increments`	Object	The increments for this widget.	Required	56.0
`inputBackgroundColor`	String	The background color for this widget.	Required	56.0
`inputBorderColor`	String	The border color for this widget.	Required	56.0
`inputType`	ConnectWaveInputWidgetInputTypeEnum	The input type of the widget. Valid values are: • `Slider` • `Typein`	Required	56.0
`showCurrentValue`	Boolean	Indicates whether to show the current value of the widget (`true`) or not (`false`).	Required	56.0
`showValuesRange`	Boolean	Indicates whether to show the value range of the widget (`true`) or not (`false`).	Required	56.0
`step`	String	The step name for this widget.	Required	56.0
`title`	String	The title for this widget.	Required	56.0
`titleAlignment`	ConnectWaveHorizontalAlignmentEnum	The title alignment of the widget. Valid values are: • `Center` • `Left` • `Right`	Required	56.0
`titleColor`	String	The title color for this widget.	Required	56.0
`titleFontSize`	Object	The title font size for this widget.	Required	56.0
`trackColor`	String	The track color for this widget.	Required	56.0

Property Name	Type	Description	Required or Optional	Available Version
valuesRangeColor	String	The value range color for this widget.	Required	56.0

LinkWidgetParametersInputRepresentation

LinkWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in LinkWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
destination	String	The destination of the link.	Optional	36.0
destinationLink	Object	The destination of the link.	Required	39.0
destinationType	ConnectWaveLinkWidgetDestType Enum	The type of asset the link refers to. Values are: • Dashboard • Explore • Lens • Page • Url	Required	36.0
fontSize	Integer	The font size to be used for the widget.	Optional	36.0
includeState	Boolean	Indicates whether the state is included (true) or not (false).	Optional	36.0
text	String	The value of the text for the widget.	Optional	36.0
textAlignment	ConnectWaveHorizontalAlignment Enum	The alignment of the text. Valid values are: • Center • Left • Right	Optional	39.0
textColor	String	The color of the text for the widget.	Optional	36.0
visualizationType	ConnectWaveVisualizationTypeEnum	The visualization type used for this widget. Valid values are: • Bullet • CalendarHeatMap	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
		• Combo		
		• ComparisonTable		
		• Flatgauge		
		• Gauge		
		• HeatMap		
		• HorizontalBar		
		• HorizontalDot		
		• Line		
		• Matrix		
		• Parallel Coordinates		
		• Pie		
		• PivotTable		
		• Polargauge		
		• Pyramid		
		• Rating		
		• Scatter		
		• StackWaterfall		
		• StackedHorizontal Bar		
		• StackedVertical Bar		
		• Time		
		• TimeBar		
		• TimeCombo		
		• ValuesTable		
		• VerticalBar		
		• VerticalDot		
		• Waterfall		

ListSelectorWidgetParametersInputRepresentation

ListSelectorWidgetParametersInputRepresentation inherits properties from the abstract SelectorWidgetParametersInputRepresentation. These base properties appear in ListSelectorWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
compact	Boolean	Indicates whether the list selector is compact (`true`) or not (`false`).	Optional	36.0
displayTemplate	String	The display template for widget level projection.	Optional	39.0
expanded	Boolean	Value indicating whether the list selector is expanded (`true`) or not (`false`).	Optional	36.0
exploreLink	Boolean	Indicates whether the list selector has an explore link (`true`) or not (`false`).	Optional	36.0
interactions	InteractionInputRepresentation[]	A list of interactions for the widget.	Optional	64.0
measureField	String	The measure field this widget is applied on.	Optional	36.0

NavigationWidgetParametersInputRepresentation

NavigationWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in NavigationWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
fontSize	Integer	The value indicating the default font size for all the text in the navigation.	Optional	43.0
selectedTab	TabStyleParametersInputRepresentation	The selected tab styles for the widget.	Required	43.0
tabCount	Integer	The number of tabs to show in the widget.	Optional	43.0
textColor	String	The color value for the default tab text in the widget.	Optional	43.0

NumberWidgetParametersInputRepresentation

NumberWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in NumberWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
compact	Boolean	Indicates whether the widget is compact (`true`) or not (`false`).	Optional	36.0
destinationLink	Object	The destination link for the widget.	Optional	47.0
exploreLink	Boolean	Indicates whether the widget has an explore link (`true`) or not (`false`).	Optional	36.0
fontSize	Object	The font size of the text.	Optional	36.0
interactions	InteractionInputRepresentation[]	A list of the interaction parameters for the widget.	Optional	58.0
measureField	String	The measure field this number is calculated upon.	Optional	36.0
noResultsLabel	String	The text to display when no results are found.	Optional	45.0
numberBold	Object	The font weight of the number.	Optional	62.0
numberColor	String	The color of the number inside the widget.	Optional	36.0
numberItalic	Object	The font style of the number.	Optional	62.0
numberSize	Object	The size of the number.	Optional	36.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Optional	66.0
step	String	The step name tied to the widget.	Optional	36.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Optional	36.0
textColor	String	The color of the text inside the widget.	Optional	36.0
title	String	The title of the widget.	Optional	36.0
titleBold	Object	The font weight of the title.	Optional	62.0
titleColor	String	The color of the title for the widget.	Optional	36.0
titleItalic	Object	The font style of the title.	Optional	62.0
titleSize	Object	The size of the title text.	Optional	36.0

Property Name	Type	Description	Required or Optional	Available Version
tooltip	TooltipInputRepresentation	The tooltip for the widget.	Optional	51.0

PillBoxWidgetParametersInputRepresentation

PillBoxWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in PillBoxWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
compact	Boolean	Indicates whether the widget is compact (true) or not (false).	Optional	36.0
displayTemplate	String	The display template for widget level projection.	Optional	39.0
exploreLink	Boolean	Indicates whether the widget has an explore link (true) or not (false).	Optional	36.0
interactions	InteractionInputRepresentation[]	A list of interactions for the widget.	Optional	64.0
measureField	String	The measure field the widget is constructed upon.	Optional	36.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (true) or not (false).	Optional	66.0
step	String	The step name tied to the widget.	Optional	36.0
title	String	The title of the widget.	Optional	36.0

RangeSelectorWidgetParametersInputRepresentation

RangeSelectorWidgetParametersInputRepresentation inherits properties from the SelectorWidgetParametersInputRepresentation.

RepeaterWidgetParametersInputRepresentation

RepeaterWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in RepeaterWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
cardProperties	RepeaterWidgetCardProperties InputRepresentation	The properties for a card for the widget.	Required	53.0

Property Name	Type	Description	Required or Optional	Available Version
cellProperties	Map<String, RepeaterWidgetCell PropertiesInputRepresentation>	A map of repeater cell properties for the widget.	Required	53.0
exploreLink	Boolean	Indicates whether to display the explorer link (true) or not (false).	Optional	54.0
cellProperties	Map<String, RepeaterWidgetCell PropertiesInputRepresentation>	A map of repeater header cell properties for the widget.	Optional	64.0
interactions	InteractionInputRepresentation[]	A list of the interaction parameters for the widget.	Optional	57.0
itemsPerRow	Object	The number of cards per row of the widget.	Required	53.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (true) or not (false).	Optional	66.0
showHeader	Boolean	Indicates whether to display the header (true) or not (false).	Optional	64.0
sortableColumns	Object	The sortable columns for the widget.	Optional	59.0
step	String	The step name associated to the widget.	Required	53.0

TableWidgetParametersInputRepresentation

TableWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in TableWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
assistiveText	String	The assistive text for the widget.	Optional	64.0
borderColor	String	The outer border color for the widget.	Optional	41.0
borderWidth	Integer	The outer border width for the widget.	Optional	41.0
cell	TableWidgetCell ParametersInput Representation	The cell properties for the widget.	Optional	41.0
collapsible	Boolean	Indicates whether the table is collapsible (true) or not (false).	Optional	50.0

Property Name	Type	Description	Required or Optional	Available Version
column Properties	Map<String, Column PropertiesInputs Representation>	The column properties for the widget.	Optional	42.0
columnTotals	Boolean	Indicates whether to display column totals in the table (true) or not (false).	Optional	55.0
column Subtotals	Boolean	Indicates whether to display column subtotals in the table (true) or not (false).	Optional	56.0
columns	Object	The list of columns for the widget.	Required	41.0
customBulk Actions	CustomBulkAction Input Representation[]	The list of custom bulk actions for the widget.	Optional	42.0
enableAllData Fetch	Boolean	Indicates whether all data is loaded (true) or data loading is paginated (false).	Optional	59.0
evenRowColor	String	The even row color for the widget.	Optional	41.0
exploreLink	Boolean	Indicates whether the widget has an explore link (true) or not (false).	Optional	38.0
fixedColumn Width	Integer	The fixed column width for the widget.	Optional	40.0
header	TableWidgetCell ParametersInput Representation	The header properties for the widget.	Required	41.0
header Properties	HeaderProperties InputRepresentation	The header properties for the table columns in the widget.	Small, 64.0	64.0
innerMajor BorderColor	String	The inner major border color for the widget.	Optional	41.0
innerMinor BorderColor	String	The inner minor border color for the widget.	Optional	41.0
interactions	InteractionInput Representation[]	A list of the interaction parameters for the widget.	Optional	57.0
maxColumn Width	Integer	The maximum column width for the widget.	Optional	40.0
minColumn Width	Integer	The minimum column width for the widget.	Optional	40.0
mode	ConnectWaveTable ModeEnum	The table mode for the widget. Valid values are: • FitToContainer	Optional	40.0

Property Name	Type	Description	Required or Optional	Available Version
		• `Fixed`		
		• `Variable`		
`numberOf FrozenColumns`	Integer	The number of frozen columns for the widget.	Optional	50.0
`numberOfLines`	Integer	The number of lines of text per row for the widget.	Optional	41.0
`oddRowColor`	String	The odd row color for the widget.	Optional	41.0
`persistAction Menu`	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Optional	66.0
`pivoted`	Boolean	Indicates whether to display the widget as pivot (`true`) or not (`false`).	Optional	39.0
`repeat GroupingRow Values`	Boolean	Indicates whether to repeat row values (`true`) or not (`false`).	Optional	66.0
`rowTotals`	Boolean	Indicates whether to display row totals in the table (`true`) or not (`false`).	Optional	55.0
`showRowIndex Column`	Boolean	Indicates whether to show the row index column for the widget (`true`) or not (`false`).	Optional	41.0
`step`	String	The step name associated to the widget.	Required	38.0
`subtotals`	Boolean	Indicates whether to show the subtotals row for the widget (`true`) or not (`false`).	Optional	47.0
`totals`	Boolean	Indicates whether to show the totals row for the widget (`true`) or not (`false`).	Optional	40.0
`vertical Padding`	Integer	The cell vertical padding value for the widget.	Optional	41.0

TextWidgetParametersInputRepresentation

TextWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in TextWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
`conditional FormattingSource`	TextWidgetConditionalFormatting SourceInputRepresentation	The conditional formatting source for the widget.	Optional	57.0

Property Name	Type	Description	Required or Optional	Available Version
content	DynamicDataInputRepresentation	The dynamic value of the text in the widget.	Required	49.0
fontSize	Object	The font size of the text.	Optional	36.0
interactions	InteractionInputRepresentation[]	A list of the interaction parameters for the widget.	Optional	57.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Optional	66.0
text	String	**DEPRECATED** The text for the widget.	Optional	36.0-48.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Optional	36.0
textColor	String	The color of the text.	Optional	36.0
textOverflow	ConnectWaveTextOverflowEnum	The overflow of the text. Valid values are: • `Truncate` • `Wrap`	Optional	60.0
tooltip	String	The tooltip for the widget.	Optional	42.0

UrlWidgetParametersInputRepresentation

UrlWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in UrlWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
type	ConnectWaveUrlWidgetType	The type of URL for the widget. Valid values are: • `YouTube`	Optional	36.0
url	String	The connect URL for the widget.	Optional	36.0
videoSize	String	The size of the video at which this URL points.	Optional	36.0

ValuesTableWidgetParametersInputRepresentation

ValuesTableWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in ValuesTableWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
exploreLink	Boolean	Indicates whether the widget has an explore link (`true`) or not (`false`).	Optional	36.0
hideHeaderColumn	Boolean	Indicating whether the header column is visible for the widget (`true`) or not (`false`).	Optional	36.0
maxColumnWidth	Integer	The maximum width of the header column.	Optional	36.0
minColumnWidth	Integer	The minimum width of the header column.	Optional	36.0
step	String	The step name tied to the widget.	Optional	36.0
totals	Boolean	Indicates whether the totals column is displayed (`true`) or not (`false`).	Optional	36.0

ImageParametersInputRepresentation

ImageParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in ImageParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
alignmentX	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Optional	37.0
alignmentY	ConnectWaveVerticalAlignment Enum	The vertical alignment types. Valid values are: • `Bottom` • `Center` • `Top`	Optional	37.0
altText	String	The alternate text for the image.	Optional	55.0

515

Property Name	Type	Description	Required or Optional	Available Version
documentId	String	The document id of the image.	Optional	37.0
fit	ConnectWaveImageFitTypeEnum	The image alignment types. Valid values are: Valid values are: • `FitHeight` • `FitWidth` • `Original` • `Stretch` • `Tile`	Optional	37.0
image	AssetReferenceInput Representation	The image representation containing the name and the namespace.	Required	39.0
tooltip	String	The tooltip for the image.	Optional	42.0

SelectorWidgetParametersInputRepresentation

SelectorWidgetParametersInputRepresentation inherits properties from the abstract WidgetParametersInputRepresentation. These base properties appear in SelectorWidgetParametersInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
displayMode	ConnectWaveSelectorDisplay ModeEnum	The display mode for dashboard selector widgets. Valid values are: • `Combo` • `Filter`	Required	46.0
filterStyle	FilterStyleInputRepresentation	The styling properties for filter widgets.	Optional	46.0
instant	Boolean	Indicates whether the list selector is instant (`true`) or not (`false`).	Optional	36.0
persistActionMenu	Boolean	Indicates whether to persist the actions menu (`true`) or not (`false`).	Optional	66.0
step	String	The step name associated to the widget.	Required	36.0
title	String	The title of the widget.	Optional	36.0

WidgetParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
onboarding	WidgetOnboardingInput Representation	The list of onboarding content for the widget.	Optional	46.0
selectModeOverride	ConnectWaveSelectModeEnum	The select mode types. Valid values are: • Multi • MultiRequired • None • Single • SingleRequired	Optional	36.0
showActionMenu	Boolean	Indicates whether to display the widget action menu (`true`) or not (`false`).	Optional	44.0

WidgetOnboardingInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
title	String	The title of the onboarding content.	Optional	46.0
url	String	The URL of the onboarding content.	Required	46.0

WidgetPositionInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
h	String	The height of the widget.	Optional	36.0
w	String	The width of the widget.	Optional	36.0
x	Integer	The X index of widget.	Optional for PATCH, required for POST	36.0
y	Integer	The Y index of widget.	Optional for PATCH, required for POST	36.0

Property Name	Type	Description	Required or Optional	Available Version
zIndex	Integer	The Z index of widget.	Optional	36.0

InteractionRepresentationInput

Property Name	Type	Description	Required or Optional	Available Version
actions	InteractionActionInput Representation[]	A list of the actions for the interaction. Valid actions types are: • InteractionClearActionInput Representation • InteractionFlowActionInput Representation • InteractionNavigateActionInput Representation • InteractionResetActionInput Representation	Required	57.0
event	ConnectWaveInteractionEvent Type	The event type for the interaction. Valid values are: • Click • Select	Required	57.0

InteractionActionInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
type	ConnectWaveInteractionAction TypeEnum	The action type for the interaction. Valid values are: • Clear • Flow • Navigate • Reset • Sort	Required	60.0

InteractionClearActionInputRepresentation

InteractionClearActionInputRepresentation inherits properties from the abstract InteractionActionInputRepresentation. These base properties appear in InteractionClearActionInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
clearType	ConnectWaveInteractionClear TypeEnum	The clear type for the interaction. Valid values are: • ClearAll • ClearExclude • ClearInclude	Required	59.0
lensIds	String[]	A list of lens IDs for the interaction.	Required	59.0

InteractionFlowActionInputRepresentation

InteractionFlowActionInputRepresentation inherits properties from the abstract InteractionActionInputRepresentation. These base properties appear in InteractionFlowActionInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
attributes	Map<Object,Object>	A map of interaction attributes.	Required	58.0
name	String	The API name of the action.	Required	58.0

InteractionNavigateActionInputRepresentation

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InteractionNaviaateActionInputRepresentation inherits properties from the abstract InteractionActionInputRepresentation. These base properties appear in InteractionNavigateActionInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required or Optional	Available Version
destinationLink	Object	The destination link for the action.	Required	57.0
destinationType	ConnectWaveInteraction DestinationTypeEnum	The destination type for the action. Valid values are: • Component • Dashboard • Explore • Lens • Page • Url	Required	57.0
goBack	Boolean	Indicates whether to navigate back on deselection (true) or not (false).	Required	57.0

InteractionResetActionInputRepresentation

InteractionResetActionInputRepresentation inherits properties from the abstract InteractionActionInputRepresentation. These base properties appear in InteractionResetActionInputRepresentation alongside the properties defined explicitly in the following table.

Property Name	Type	Description	Required	Available Version
resetType	ConnectWaveInteractionReset TypeEnum	The reset type for the action. Valid values are: • ResetFilters	Required	58.0

TextWidgetConditionalFormattingSourceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
field	String	The field used to retrieve the conditional formatting for the widget.	Required	57.0
scope	String	The scope of the conditional formatting rules for the widget	Required	57.0
step	String	The step used to retrieve the conditional formatting rules for the widget	Required	57.0

FilterItemOptionsInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
backgroundColor	String	The background color of the filter items.	Optional	41.0
borderColor	String	The border color of the filter items.	Optional	41.0
borderRadius	Integer	The border radius of the filter items.	Optional	41.0
borderWidth	Integer	The border width of the filter items.	Optional	41.0
propertyColor	String	The property color of the filter items.	Optional	41.0
valueColor	String	The value color of the filter items.	Optional	41.0

FilterItemReferenceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
cdpObject	String	The Data 360 datasource in the `filters` section.	Required	55.0
dataset	AssetReferenceInput Representation[]	The dataset in the `filters` section.	Required	46.0
dataspace	String	The name of datasapce for the Data 360 datasource in the `filters` section.	Optional	62.0
field	String	The field in the `filters` section.	Required	46.0
sObject	String	The sObject in the `filters` section.	Required	55.0

FilterPanelTitleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
separatorColor	String	The filter panel's title separator color.	Optional	41.0
text	TextInputRepresentation[]	The filter panel's title text.	Required	41.0
visible	Boolean	Indicates whether the filter panel's title is visible (`true`) or not (`false`).	Optional	41.0

TextInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
align	ConnectWaveHorizontal AlignmentEnum	The alignment of the text. Valid values are: • `Center` • `Left` • `Right`	Optional	41.0
color	String	The color of the text.	Optional	41.0
fontSize	Integer	The font size of the text.	Optional	41.0

Property Name	Type	Description	Required or Optional	Available Version
label	String	The label for the text.	Required	41.0

FilterStyleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
titleColor	String	The color of the displayed title.	Required	46.0
valueColor	String	The color for the displayed value.	Required	46.0

TabStyleParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
backgroundColor	String	The background color for the tab.	Optional	43.0
borderColor	String	The border color for the tab.	Optional	43.0
borderEdges	ConnectWaveBorderEdgeType Enum	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right • Top	Optional	43.0
borderWidth	Integer	The border width for the tab.	Optional	43.0
textColor	String	The text color for the selected tab.	Optional	43.0

TooltipInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
content	TooltipContentInput Representation	The content for the tooltip.	Required	51.0
customizeTooltip	Boolean	Indicates whether the tooltip is customized (true) or not (false).	Required	51.0

522

Property Name	Type	Description	Required or Optional	Available Version
showTooltipTitle	Boolean	Indicates whether the tooltip title is visible (`true`) or not (`false`).	Optional	62.0

RepeaterWidgetCardPropertiesInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
cellSpacingX	Integer	The horizontal spacing between grid cells.	Required	53.0
cellSpacingY	Integer	The vertical spacing between grid cells.	Required	53.0
numColumns	Integer	The number of columns for a repeater grid.	Required	53.0
rowHeight	ConnectWaveRowHeightEnum	Specifies the grid cell row height. Valid values are: • Fine • Normal	Required	53.0
selectedStyles	CardSelectionStyleParameters InputRepresentation on page 523	The styling for the selected repeater card of the widget	Required	54.0
styles	GridLayoutWidgetStyleInput Representation on page 494	The styling for the card of the widget	Required	53.0

CardSelectionStyleParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
backgroundColor	String	The background color of selected card. Must be a 6 digit hex string.	Optional	54.0
borderColor	String	The border color of selected card. Must be a 6 digit hex string.	Optional	54.0
borderEdges	ConnectWaveBorderEdgeType Enum[]	The edges of the border to be drawn. Valid values are: • All • Bottom • Left • Right	Required	54.0

Property Name	Type	Description	Required or Optional	Available Version
		• Top		
`borderRadius`	Integer	The border radius of selected card.	Optional	54.0
`borderWidth`	Integer	The border width of selected card.	Optional	54.0

RepeaterWidgetCellPropertiesInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`parameters`	Object	The parameters of the cell, based on it's type.	Required	53.0
`position`	GridLayoutWidgetInput Representation on page 494	The cell position, dimension, and styles.	Required	53.0
`type`	ConnectWaveRepeaterCellType Enum	The cell type. Valid values are: • `Image` (CellPropertiesImage ParametersInput Representation) • `Number` (`Cell PropertiesNumber ParametersInput Representation`) • `Text` (`CellProperties TextParametersInput Representation`)	Required	53.0

CellPropertiesImageParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`alignmentX`	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the image. Valid values are: • `Center` • `Left` • `Right`	Required	54.0
`alignmentY`	ConnectWaveVerticalAlignment Enum	The vertical alignment for the image. Valid values are: • `Bottom`	Required	54.0

524

Property Name	Type	Description	Required or Optional	Available Version
		• Center • Top		
altText	String	The alternate text for the image.	Optional	54.0
fit	ConnectWaveImageFitTypeEnum	The fit type for the image. Valid values are: • FitHeight • FitWidth • Original • Stretch • Tile	Required	54.0
source	Object	The source URL for the image.	Optional	54.0

CellPropertiesNumberParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
compact	Boolean	Indicates whether compact form is on (true) or not (false).	Optional	54.0
measureField	String	The measure field this number is calculated from.	Required	54.0
noResultsLabel	String	The text to display when no results are found.	Optional	54.0
numberBold	Object	The font weight of the number.	Optional	62.0
numberColor	String	The color of the number.	Optional	54.0
numberItalic	Object	The font style of the number.	Optional	62.0
numberSize	Object	The size of the number.	Optional	54.0
textAlignment	ConnectWaveHorizontal AlignmentEnum	The alignment for the text. Valid values are: • Center • Left • Right	Required	54.0
title	String	The title of the widget.	Optional	54.0
titleBold	String	The font weight of the title.	Optional	62.0

Property Name	Type	Description	Required or Optional	Available Version
titleColor	String	The color of the title.	Optional	54.0
titleSize	String	The size of the title.	Optional	54.0

CellPropertiesTextParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
conditional FormattingSource	TextWidgetConditionalFormatting SourceInputRepresentation	The conditional formatting source for the text.	Optional	57.0
content	DynamicDataInputRepresentation	The dynamic value of the text.	Required	54.0
interactions	InteractionInputRepresentation[]	A list of interactions for the text.	Optional	64.0
tooltip	TooltipInputRepresentation	The tooltip for the text.	Optional	57.0

TableWidgetCellParametersInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the table cell. Valid values are: • Center • Left • Right	Optional	62.0
backgroundColor	String	The background color of the cell.	Optional	41.0
fontColor	String	The color for the cell text font.	Optional	41.0
fontSize	Integer	The size for the cell text font.	Optional	41.0
italic	Boolean	Indicates whether the cell font style is italic (true) or not (false).	Optional	62.0
textWrap	Boolean	Indicates whether text wrapping is allowed (true) or not (false).	Optional	54.0
underline	Boolean	Indicates whether the cell font style is underlined (true) or not (false).	Optional	62.0

ColumnPropertiesInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
parameters	Object	The valid column parameters based on its type.	Required	42.0
type	ConnectWaveColumnRenderType Enum	The render types of a column. Valid values are: • `Bar` (ColumnParametersBar InputRepresentation) • `Image` (ColumnParameters ImageInputRepresentation) • `Text` (ColumnParametersText InputRepresentation)	Required	41.0

ColumnParametersBarInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
width	Integer	The width for the column.	Required	54.0

ColumnParametersImageInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the image. Valid values are: • `Center` • `Left` • `Right`	Required	54.0
height	Integer	The image height for the image.	Required	54.0
width	Integer	The width for the column.	Required	54.0

ColumnParametersTextInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
alignment	ConnectWaveHorizontal AlignmentEnum	The horizontal alignment for the column. Valid values are: • `Center` • `Left` • `Right`	Required	54.0
styles	TextStyleInputRepresentation	The text style for the column.	Required	54.0
width	Integer	The width for the column.	Required	54.0

TextStyleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
bold	Boolean	Indicates whether the text is bold (`true`) or not (`false`).	Optional	54.0
linkColor	String	The text color when the text is a link.	Optional	54.0

CustomBulkActionInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
label	String	Label for the custom action		39.0
visualforce	AssetReferenceInput Representation	Visualforce page to invoke for the custom action		39.0

DynamicDataInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
displayTemplate	String	The dynamic expression to resolve.	Required	49.0
richTextContent	Map<String, RichTextContent BlockInputRepresentation[]	List of rich text content blocks.	Required	52.0

Property Name	Type	Description	Required or Optional	Available Version
values	Map<String, DynamicValueInput Representation>	Map to contain the data for the dynamic values.	Required	49.0

RichTextContentBlockInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
attributes	Map<String, Object>	Map of text attribute names and values.	Required	52.0
insert	String	The text block content	Required	52.0

DynamicValueInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
compact	Boolean	Indicates whether the resolved value is compact (`true`) or not (`false`).	Required	55.0
field	String	The column used to resolve the value.	Required	49.0
noResultsLabel	String	The text to display when no results are found.	Required	55.0
sourceType	ConnectWaveDynamicDataSource Type	The interaction type for the value. Valid values are: • `Result` • `Selection`	Required	49.0
step	String	The step id for the value.	Required	49.0

TooltipContentInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
body	TooltipVisualizationInput Representation	The visualization for the tooltip.	Required	51.0-52.0
description	DynamicDataInputRepresentation	The text content for the tooltip.	Required	51.0

529

Property Name	Type	Description	Required or Optional	Available Version
widget	TooltipWidgetInput Representation	The widget displayed in the tooltip.	Required	53.0

TooltipWidgetInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
height	Object	The height of the widget in the tooltip.	Required	53.0
name	String	The name of the widget in the tooltip.	Required	53.0
width	Object	The width of the widget in the tooltip.	Required	53.0

TooltipVisualizationInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
height	Object	The height for the tooltip.	Required	51.0
source	TypedAssetReferenceInput Representation	The source for the tooltip visualization.	Required	51.0
width	Object	The width for the tooltip.	Required	51.0

TooltipSourceInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the tooltip source.	Required	51.0
namespace	String	The namespace of the tooltip source.	Optional	51.0
type	String	The type of the tooltip source.	Required	51.0

TooltipStyleInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`backgroundColor`	String	The background color of the tooltip.	Optional	63.0
`labelColor`	String	The label color of the tooltip.	Optional	63.0
`valueColor`	String	The value color of the tooltip.	Optional	63.0

HeaderPropertiesInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`tooltip`	TableColumnHeaderTooltipInput Representation	The tooltip for the table column header.	Required	64.0

TableColumnHeaderTooltipInputRepresentation

Property Name	Type	Description	Required or Optional	Available Version
`sort`	TooltipModeEnum	The tooltip mode. Valid values are: • `Custom` • `Default` • `None`	Required	64.0
`text`	String	The text for the tooltip.	Required	64.0