
Data Prep Recipe REST API Developer Guide

Salesforce, Summer '25

Summer '25



CONTENTS

DATA PREP RECIPE REST API OVERVIEW	1
Release Notes	1
Connect REST API Authorization	1
API End-of-Life Policy	2
EXAMPLES	3
Manage, Schedule, and Run Recipes with REST APIs	3
RESOURCES	8
Recipe Resources	8
REQUESTS	18
Abstract Bucket Algorithm Input	25
Aggregate Input	25
Aggregate Node Input	26
Aggregate Parameters Input	26
Append Mapping Input	27
Append Node Input	27
Append Parameters Input	28
Append V2 Node Input	28
Bucket Date Argument Input	28
Bucket Date Bucket Input	29
Bucket Date Only Field Input	29
Bucket Date Setup Input	30
Bucket Date Source Field Input	30
Bucket Date Time Field Input	31
Bucket Dimension Bucket Input	31
Bucket Dimension Field Input	31
Bucket Dimension Setup Input	31
Bucket Dimension Source Field Input	32
Bucket Field Input	32
Bucket Measure Bucket Input	33
Bucket Measure Field Input	33
Bucket Measure Setup Input	33
Bucket Measure Source Field Input	34
Bucket Node Input	34
Bucket Parameters	35
Bucket Setup Input	35
Bucket Term Input	35

Contents

Bucket V2 Input	36
Bucket V2 Node Input	36
Bucket V2 Parameters Input	37
Cluster Node Input	37
Cluster Parameters	38
Compute Relative Node Input	38
Compute Relative Parameters Input	39
Compute Relative Sort Parameters Input	39
Data Object Category Input	40
Detect Sentiment Node Input	40
Detect Sentiment Parameters Input	40
Discovery Contributor Input	41
Discovery Node Input	41
Discovery Parameters Input	41
Export Limits Input	42
Export Node Input	42
Export Parameters Input	43
Extension Node Input	43
Extension Parameters Input	44
Extract Grain Field Input	44
Extract Grain Node Input	45
Extract Grain Parameter Input	45
Extract Grain Parameters Input	45
Filter Expression Input	46
Filter Node Input	46
Filter Parameters Input	47
Flatten Field Input	47
Flatten Node Input	47
Flatten Parameters Input	48
Format Date Node Input	48
Format Date Parameters Input	48
Format Date Pattern Input	49
Formula Node Input	49
Formula Parameters Input	50
Join Node Input	50
Join Parameters Input	50
Load Analytics Dataset Input	51
Load Connected Dataset Input	51
Load Data Lake Object Input	52
Load Data Model Object Input	52
Load Dataset Input	52
Load Node Input	53
Load Parameters Input	53
Legacy Formula Field Input	54

Contents

Legacy Formula Parameters Input	54
Measure To Currency Input	54
Optimized Append Node Input	55
Optimized Append Parameters Input	55
Optimized Update Node Input	55
Optimized Update Parameters Input	56
Output D360 Fields Mapping Input	56
Output D360 Node Input	57
Output D360 Parameters Input	57
Output Data Cloud Fields Mapping Input	58
Output Data Cloud Node Input	58
Output Data Cloud Parameters Input	58
Output External Fields Mapping Input	60
Output External Node Input	60
Output External Parameters Input	61
Pivot Input	61
Pivot V2 Input	62
Predict Values Field Input	62
Predict Values Input Field Input	62
Predict Values Node Input	63
Predict Values Parameters Input	63
Predict Values Setup Input	63
Recipe Configuration Collection Input	64
Recipe Configuration Fiscal Input	64
Recipe Configuration Fiscal Offset Input	65
Recipe Configuration	65
Recipe Conversion Detail Input	65
Recipe Definition Input	66
Recipe Input	67
Recipe Name Label Input	69
Recipe Node Input	69
Recipe Notification Input	71
Recipe Type Name Input	71
Recommendation Node Input	71
Recommendation Parameters Input	72
Sample Parameters Input	72
Streaming Parameters Input	73
Save Dataset Input	74
Save Node Input	74
Save Parameters Input	74
Schema Field Format Symbols Input	75
Schema Field Parameters Input	75
Schema Field Properties Input	76
Schema Field Type Properties Input	76

Contents

Schema Node Input	77
Schema Parameters Input	77
Schema Slice Input	77
Split Node Input	78
Split Parameters Input	78
SQL Filter Node Input	78
SQL Filter Parameters Input	79
SQL Formula Date Only Field Input	79
SQL Formula Date Time Field Input	79
SQL Formula Field Input	80
SQL Formula Parameters Input	80
SQL Formula Multivalue Field Input	81
SQL Formula Numeric Field Input	81
SQL Formula Text Field Input	81
Target Field Input	82
Time Series Input Confidence Interval High Low	82
Time Series Node Input	82
Time Series Parameters Input	83
Time Series V2 Algorithm Input	84
Time Series V2 Forecast Info Input	84
Time Series V2 Node Input	85
Time Series V2 Parameters Input	85
Typecast Node Input	86
Typecast Parameters Input	87
Typographic Cluster Input	87
Update Node Input	87
Update Parameters Input	88
RESPONSES	89
Abstract Bucket Algorithm	96
Aggregate	96
Aggregate Node	97
Aggregate Parameters	97
Append Mapping	97
Append Node	98
Append Parameters	98
AppendV2 Node	98
Bucket Date Argument	99
Bucket Date Bucket	99
Bucket Dimension Bucket	100
Bucket Field	100
Bucket Measure Bucket	100
Bucket Node	101
Bucket Parameters	101

Contents

Bucket Setup	101
Bucket Source Field	102
Bucket V2	102
Bucket Term	103
Bucket V2 Node	103
Bucket V2 Parameters	104
Bucket	104
Cluster Node	105
Cluster Parameters	105
Compute Relative Node	106
Compute Relative Parameters	106
Compute Relative Sort Parameters	106
Data Object Category	107
Detect Sentiment Node	107
Detect Sentiment Parameters	107
Discovery Contributor	108
Discovery Node	108
Discovery Parameters	109
Discovery Source	109
Export Limits	109
Export Node	110
Export Parameters	110
Extension Node	111
Extension Parameters	111
Extract Field	111
Extract Node	112
Extract Parameter	112
Extract Parameters	113
Filter Expression	113
Filter Node	114
Filter Parameters	114
Flatten Field	114
Flatten Node	115
Flatten Parameters	115
Format Date Node	116
Format Date Parameters	116
Format Date Pattern	116
Formula Node	117
Formula Parameters	117
Join Node	117
Join Parameters	118
Load Analytics Dataset	118
Load Connected Dataset	119
Load Data Lake Object	119

Contents

Load Data Model Object	119
Load Dataset	120
Load Node	120
Load Parameters	120
Legacy Formula Field	121
Legacy Formula Parameters	121
Measure To Currency	122
Optimized Append Node	122
Optimized Append Parameters	122
Optimized Update Node	123
Optimized Update Parameters	123
Output D360 Fields Mapping	124
Output D360 Node	124
Output D360 Parameters	124
Output Data Cloud Fields Mapping	125
Output Data Cloud Node	125
Output Data Cloud Parameters	126
Output External Field Mapping	127
Output External Node	128
Output External Parameters	128
Pivot	129
PivotV2	129
Predict Values Field	129
Predict Values Input Field	130
Predict Values Node	130
Predict Values Parameters	130
Predict Values Setup	131
Recipe Collection	131
Recipe Configuration Collection	131
Recipe Configuration Fiscal	132
Recipe Configuration Fiscal Offset	132
Recipe Configuration	133
Recipe Conversion Detail	133
Recipe Definition	133
Recipe Name Label	135
Recipe Node	135
Recipe Notification	136
Recipe Validation Detail	137
Recipe	138
Recommendation Node	140
Recommendation Parameters	140
Sample Parameters	141
Save Dataset	141
Save Node	142

Contents

Save Parameters	142
Schema Field Format Symbols	143
Schema Field	143
Schema Field New Properties	143
Schema Field Type Properties	144
Schema Node	144
Schema Parameters	145
Schema Slice	145
Split Node	145
Split Parameters	146
SQL Filter Node	146
SQL Filter Parameters	146
SQL Formula Date Field	147
SQL Formula Field	147
SQL Formula Parameters	148
SQL Formula Multivalue Field	148
SQL Formula Numeric Field	148
SQL Formula Text Field	149
Streaming Parameters	149
Target Field	149
Time Series Node	150
Time Series Output Confidence Interval High Low	150
Time Series Parameters	150
Time Series V2 Algorithm Parameters	152
Time Series V2 Forecast Info	152
Time Series V2 Node	152
Time Series V2 Parameters	153
Typecast Node	154
Typecast Parameters	154
Typographic Cluster	155
Update Node	155
Update Parameters	155
APPENDICES	156
Recipe REST API Enums	156

DATA PREP RECIPE REST API OVERVIEW

You can access Data Prep recipes for CDP, Salesforce Data Pipelines, and CRM Analytics programmatically using the Recipe REST API.

Using the Recipe REST API, you can:

- Run, schedule, and sync recipes. See [Run, Schedule, and Sync CRM Analytics Data with REST APIs](#)
- Retrieve or update recipe metadata. See [Build, Manage, Schedule, and Run Recipes with REST APIs](#)

The Recipe 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](#).

For more information on Analytics asset resources, like connectors and datasets, see the [Analytics REST API Developer Guide](#).

[Data Prep Recipes Connect REST API Release Notes](#)

Use the Salesforce Release Notes to learn about the most recent updates and changes to the Data Prep Recipes Connect REST API.

[Connect REST API Authorization](#)

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

[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.

Data Prep Recipes Connect REST API Release Notes

Use the Salesforce Release Notes to learn about the most recent updates and changes to the Data Prep Recipes Connect REST API.

For new and changed Data Prep Recipes REST resources and request and response bodies see [CRM Analytics](#) in the Salesforce Release Notes and look for Data Prep Recipes REST API.

 **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](#)

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 64.0	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.

RECIPE REST API EXAMPLES

Use Recipe REST API examples to perform tasks.

While using the Recipe REST API, remember:

- Request parameters can be included as part of the Recipe REST API resource URL, for example, `/wave/recipes?q=searchtext`. A request body is a rich input that can be included as part of the request. When accessing a resource, you can use either a request body or request parameters. You can't 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`.

[Manage, Schedule, and Run Recipes with REST APIs](#)

Use the Salesforce Connect REST API to work with and automate recipes. Discover your existing recipes, revert recipe versions, and schedule and run recipes.

Manage, Schedule, and Run Recipes with REST APIs

Use the Salesforce Connect REST API to work with and automate recipes. Discover your existing recipes, revert recipe versions, and schedule and run recipes.

Describe and Discover Recipes

Retrieve all your recipes with the GET `wave/recipes` endpoint. You can filter the recipes collection returned by:

- `format`— specifies current Data Prep recipes: (R3) or Data Prep Classic recipes (R2).

```
/wave/recipes?format=R2
```

- `licenseType`— specifies the license type: `EinsteinAnalytics`, `Sonic`, `MulesoftDataPath`, or `Cdp`.

```
/wave/recipes?licenseType=EinsteinAnalytics
```

- `pageSize`— the number of items to be returned in the collection for pagination. The minimum is 1, maximum is 200, and default is 25.

```
/wave/recipes?pageSize=50
```

- `q`— Use search terms to find recipes by name or label. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string.

```
/wave/recipes?q=My Recipe
```

- `sort`— The type of sort order to be applied to the returned collection. Valid values are `App`, `CreatedBy`, `CreatedDate`, `LastModified`, `LastModifiedBy`, `Mru`, `Name`, and `Type`.

```
/wave/recipes?sort=Name
```

 **Tip:** The Lightning Web Component wire adapter, `lightning/analyticsWaveApi getRecipes()` provides the same functionality inside Lightning Experience.

Describe an existing recipe by specifying the `recipeId` (starts with 05vB) and the format of the recipe: R3 or R2.

```
/wave/recipes/05vB0000000xxxxxxx?format=R3
```

 **Important:** Recipes created in v48 or higher can only be R3 and can't be converted to R2.

The GET request returns a `Recipe` response, which contains the recipe definition (nodes and UI metadata), schedule attributes, and validation details. It also contains the `targetDataflowId`, used to run the recipe. For example, GET `/wave/recipes/05vB0000000xxxxxxx?format=R3` returns this `Recipe` JSON response:

```
{
  ...
  "format" : "R3",
  "id" : "05vB0000000xxxxxxx",
  "label" : "MyTestRecipe",
  "name" : "MyTestRecipe",
  ...
  "recipeDefinition" : {
    ...
  },
  "scheduleAttributes" : {
    ...
  },
  "targetDataflowId" : "02KB0000000xxxxxxxx",
  ...
  "validationDetails" : [ ]
}
```

Use the `Recipe` JSON response to work with the recipe as detailed.

 **Tip:** The Lightning Web Component wire adapter, `lightning/analyticsWaveApi getRecipe()` provides the same functionality inside Lightning Experience.

Inspect Recipe Nodes

The `Recipe Definition` contains the recipe name, the recipe API version, the UI metadata for recipe display (used by Data Manager), and a Map of `Recipe Node` objects.

Here's a closer look at the Map of `Recipe Node` objects in the `Recipe Definition` object from the `Recipe` JSON response. The example response is a simple recipe that loads data created from the Opportunities sObject, filters the data by Closed Won, and saves the results to a new dataset named **Opptys Closed Won**.

```
{
  ...
  "recipeDefinition": {
    "nodes" : {
      "LOAD_DATASET0" : {
        "action" : "load",
        "parameters": {
          "dataset" : {
            "label" : "Opportunities",
            "name" : "opportunity",
```

```

        "type" : "analyticsDataset"
      },
      "fields" : ["AccountId", "Amount", "OpenClosedWonLost", ...]
    },
    "sources" : []
  },
  "FILTER0" : {
    "action" : "filter",
    "parameters" : {
      "filterExpressions" : [ {
        "field" : "OpenClosedWonLost",
        "operands" : [ "Closed Won" ],
        "operator" : "EQUAL",
        "type" : "TEXT"
      } ]
    },
    "sources": [ "LOAD_DATASET0" ]
  },
  "OUTPUT0" : {
    "action" : "save",
    "parameters": {
      "dataset" : {
        "folderName" : "SharedApp",
        "label" : "Opptys Closed Won",
        "name" : "OpptysClosedWon",
        "type" : "analyticsDataset"
      },
      "fields" : []
    },
    "sources" : [ "FILTER0" ]
  },
  },
  "ui" : { ... },
  "version" : "52.0"
},
...
}

```

Each node entry in the map has a string name and `Recipe Node`. The `Recipe Node` contains the node action, parameters, and sources. Each node type has different parameters based on the action. For more information on each node type, see the [Recipe Node](#) reference.

 **Important:** The `label` attribute of the `dataset` attribute for the `save` action is the display name of the dataset users can explore in Analytics Studio.

Delete a Recipe

To delete a recipe, use the `DELETE /wave/recipes/<recipeId>` endpoint. This action deletes the recipe and any associated dataflow jobs. No request body is required and the response is a success or error message.

 **Tip:** The Lightning Web Component wire adapter, `lightning/analyticsWaveApi deleteRecipe()` provides the same functionality inside Lightning Experience.

Work with Recipe Histories

Each time a user updates and saves a recipe, a version history is created, tracking the changes to the recipe over time. To see all of the histories for a recipe, use the GET `/wave/recipes/<recipeId>/histories` endpoint.

To revert a current recipe to a previous version, get the id of the history you want to revert to and use the PUT `/wave/recipes/<recipeId>` endpoint with the `Asset Review History Input` request.

```
{
  "historyId" : "0RmB0000000xxxxxxx",
  "historyLabel" : "Reverting to version x"
}
```

For more information on asset version histories, see [Backup and Restore Previous Versions of CRM Analytics Assets with History API](#).

Schedule a Recipe

While the `scheduleAttributes` are part of the `Recipe`, to update a schedule, the `/wave/asset/<assetId>/schedule` endpoint must be used.

To see the current schedule, use GET `/wave/asset/<assetId>/schedule`, where `<assetId>` is the recipe id. The request returns a `Schedule` response.

To create or update the schedule, use PUT `/wave/asset/<assetId>/schedule`. See [Schedule Dataflows, Recipes, and Data Syncs](#) for example `Schedule Input` requests.

To delete a schedule, use DELETE `/wave/asset/<assetId>/schedule`.

Run a Recipe

To run a recipe, with or without a schedule, use the `/wave/dataflowjobs` POST endpoint.

The POST takes a `dataflowId` and a `command` to start the dataflow job. For a recipe, the `dataflowId` is the `targetDataflowId` from the `Recipe`. For recipes, the `targetDataflowId` starts with 02KB.

After retrieving the `targetDataflowId` from the GET `/wave/recipes/05vB0000000xxxxxxx?format=R3` response, use it in the POST `/wave/dataflowjobs` JSON request body.

```
{
  "dataflowId": "02KB0000000xxxxxxx",
  "command": "start"
}
```

To stop a running recipe dataflow job, use the `/wave/dataflowjobs/<dataflowjobId>` PATCH endpoint with the `command` to stop.

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

Recipe Notifications

Recipe notifications alert users when jobs are long running or fail. All recipes are created with a default notification level of `warnings`. To see the notification level for a recipe, use the GET `/wave/recipes/<recipeId>/notification` endpoint. To update

the notification level or the long running alert timing, use the PUT `/wave/recipes/<recipeId>/notification` endpoint with a [Recipe Notification Input](#) on page 71 request.

```
{
  "notificationLevel" : "Always",
  "longRunningAlertInMins" : 90
}
```

RECIPES REST RESOURCES

REST API resources are sometimes called *endpoints*.

[Recipe Resources](#)

Recipes are used to prepare data, creating a dataset or updating an sObject using transformations to manipulate the data.

Recipe Resources

Recipes are used to prepare data, creating a dataset or updating an sObject using transformations to manipulate the data.

Available Resources

Resource	Description	Supported HTTP Method	Resource URL
Recipes List Resource	Returns a collection of Data Prep recipes and creates a recipe.	GET POST	<code>/wave/recipes</code>
Recipe Resource	Returns, updates, or deletes a Data Prep recipe.	GET DELETE PATCH	<code>/wave/recipes/<id></code>
Recipe File Resource	Returns a Data Prep recipe's file content as JSON.	GET	<code>/wave/recipes/<id>/file</code>
Recipe Notification Resource	Returns a Data Prep recipe job notification, creates, or updates a Data Prep recipe job notification.	GET PATCH	<code>/wave/recipes/<id>/notification</code>
Recipe Configurations List Resource	Returns or updates a collection of Data Prep recipe configurations and creates a recipe configuration.	GET PATCH POST	<code>/wave/recipes-configurations</code>
Recipe Configuration Resource	Returns, updates, or deletes a Data Prep recipe configuration.	GET DELETE PATCH	<code>/wave/recipe-configurations/<id></code>

[Recipes List Resource](#)

Returns a collection of Data Prep recipes and creates a recipe.

[Recipe Resource](#)

Returns, updates, or deletes a Data Prep recipe.

[Recipe File Resource](#)

Returns a Data Prep recipe's file content as JSON. This API endpoint is internal for the recipe UI and is available for debugging and reference purposes only. Modification of this content is not supported.

[Recipe Notification Resource](#)

Returns a Data Prep recipe job notification, creates, or updates a Data Prep recipe job notification.

[Recipe Configurations List Resource](#)

Returns and updates a collection of Data Prep recipe configurations and creates a recipe configuration.

[Recipe Configuration Resource](#)

Returns a Data Prep recipe configuration and updates or deletes the configuration.

Recipes List Resource

Returns a collection of Data Prep recipes and creates a recipe.

Resource URL

```
/wave/recipes
```

Formats

JSON

Available Version

38.0

Available in Postman

To view and test a working example of this resource, see [getRecipeCollection](#) in Postman. For information about how to authenticate your org with Postman, see the [CRM Analytics Rest API Quickstart](#).

Available Components

- LWC — `lightning/analyticsWaveApi getRecipes()`

HTTP Methods

GET

Request Parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
folderId	Id	Returns a collection filtered by recipes belonging to the specified folder ID.	Optional	61.0

Parameter Name	Type	Description	Required or Optional	Available Version
format	ConnectRecipe FormatTypeEnum	Returns a collection filtered by the format of the current recipe definition. Valid values are: • R2 (Data Prep Classic) • R3 (Data Prep)	Optional	48.0
lastModified After	String	Returns a collection filtered by recipes with a last modified date after the given value.	Optional	55.0
lastModified Before	String	Returns a collection filtered by recipes with a last modified date before the given value.	Optional	55.0
licenseType	ConnectAnalytics LicenseTypeEnum	Filters the collection by the Analytics license type. Valid values are • Cdp (Data Cloud) • DataPipelineQuery (Data Pipeline Query) • EinsteinAnalytics (CRM Analytics) • IntelligentApps (Intelligent Apps) • MulesoftDataPath (Mulesoft Data Works) • Sonic (Salesforce Data Pipeline)	Optional	52.0
nextScheduled After	String	Returns a collection filtered by recipes with a scheduled run after the given value.	Optional	55.0
nextScheduled Before	String	Returns a collection filtered by recipes with a scheduled run before the given value.	Optional	55.0
page	String	A generated token that indicates the view of the objects to be returned.	Optional	38.0
pageSize	Int	Number of items to be returned in a single page. Minimum is 1, maximum is 200, and the default is 25.	Optional	38.0
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	38.0

Parameter Name	Type	Description	Required or Optional	Available Version
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 • RefreshDate (for assets like datasets) • RunDate (for assets like reports) • Status • Title • Type	Optional	38.0
status	ConnectRecipeStatusEnum[]	Returns a collection filtered by the statuses of the recipe. Valid values are: • Cancelled • Failure • New (Never run or has no recent run) • Queued • Running • Success • Warning	Optional	55.0

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

```
/wave/recipes?q=MyRecipe
```

Response Body for GET

[Recipe Collection](#)

 **Important:** Recipes require the recipe editor UI for creation and aren't supported using POST via this API endpoint.

Recipe Resource

Returns, updates, or deletes a Data Prep recipe.

Resource URL

```
/wave/recipes/<id>
```

Formats

JSON

Available Version

38.0

Available in Postman

To view and test a working example of this resource, see [getRecipe](#) in Postman. For information about how to authenticate your org with Postman, see the [CRM Analytics Rest API Quickstart](#).

Available Components

- LWC — `lightning/analyticsWaveApi deleteRecipe()`
- LWC — `lightning/analyticsWaveApi getRecipe()`
- LWC — `lightning/analyticsWaveApi updateRecipe()`

HTTP Methods

DELETE GET PATCH PUT

Run a Recipe

To run a Data Prep recipe, use the [Dataflow Jobs Resource](#) API. For examples of how to start and stop recipes, see [Start and Stop a Dataflow Job or Recipe](#).

Schedule a Recipe

To schedule a recipe, use the [Schedule Resource](#) API. For examples of how to schedule recipes, see [Schedule Dataflows, Recipes, and Data Syncs](#).

Request Parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
<code>format</code>	ConnectRecipe FormatTypeEnum	Specifies the format of the returned recipe. Valid values are: • R2 (Data Prep Classic) • R3 (Data Prep)	Required for Data Prep recipes, Optional for Data Prep Classic recipes.	49.0
<code>historyId</code>	Id	Use the history ID to request a specific recipe version.	Optional	51.0

The following REST URL shows how to use the `format` request parameter to return a Data Prep recipe via the GET request.

```
/wave/recipes/<05vS7000000xxxxxxx>?format=R3
```

 **Note:** With API version 49.0 and higher, the `format` request parameter is required for recipes created in the Data Prep format. For recipes created in the Data Prep Classic format, the `format` request parameter isn't needed. If you want to up-convert the Data Prep Classic recipe format to the Data Prep recipe format, use the `format` request parameter set to R3.

Response Body for GET, PATCH, and PUT

[Recipe](#)

Request Body for PATCH

Property Name	Type	Description	Required or Optional	Available Version
<code>enableEditorValidation</code>	Boolean	Indicates whether editor validation for the recipe is enabled (<code>true</code>) or not (<code>false</code>).	Required	53.0
<code>recipeFile</code>	Binary	The recipe file.	Required	38.0
<code>recipeObject</code>	RecipeInput[]	The recipe definition.	Required	38.0
<code>validationContext</code>	ConnectRecipe ValidationContext Enum	The recipe validation context. Valid values are: • Default • Editor	Required	53.0

The following JSON shows how to update a recipe, specifically the license type for the recipe.

```
{
  "recipeObject" : {
    "licenseAttributes": { "type": "Sonic" }
  }
}
```

```
}  
}
```



Note: If the recipe was created in the Data Prep Classic format, then is retrieved in the Data Prep format, a PATCH request with the Data Prep format up-converts the recipe permanently to the Data Prep format.

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 recipe version.

```
{  
  "historyId" : "0RmRM000000xxxxxxx"  
}
```

Recipe File Resource

Returns a Data Prep recipe's file content as JSON. This API endpoint is internal for the recipe UI and is available for debugging and reference purposes only. Modification of this content is not supported.

Resource URL

```
/wave/recipes/<id>/file
```

Formats

JSON

Available Version

38.0

HTTP Methods

GET

Response Body for GET

Streamed Representation. Returns a binary stream of the JSON contents of the specified file. This representation is different for recipe 2.0 and recipe 3.0.

Recipe Notification Resource

Returns a Data Prep recipe job notification, creates, or updates a Data Prep recipe job notification.

Resource URL

```
/wave/recipes/<id>/notification
```

Formats

JSON

Available Version

49.0

Available in Postman

To view and test a working example of this resource, see [getRecipeNotification](#) in Postman. For information about how to authenticate your org with Postman, [CRM Analytics Rest API Quickstart](#).

Available Components

- LWC — [lightning/analyticsWaveApi](#) `getRecipeNotification()`

HTTP Methods

GET PUT

Response Body for GET and PUT

[Recipe Notification](#)

Request Body for PUT

[Recipe Notification Input](#) The following JSON shows how to update an existing recipe notification.

```
{
  "longRunningAlertInMins" : 60,
  "notificationLevel": "Warnings"
}
```

Recipe Configurations List Resource

Returns and updates a collection of Data Prep recipe configurations and creates a recipe configuration.

Resource URL

```
/wave/recipe-configurations
```

Formats

JSON

Available Version

54.0

HTTP Methods

GET POST PATCH

Response Body for GET and PATCH

[Recipe Configuration Collection](#)

Request Body for POST

[Recipe Configuration Input](#)

Response Body for POST

[Recipe Configuration](#)

Request Body for PATCH

[Recipe Configuration Collection Input](#)

Recipe Configuration Resource

Returns a Data Prep recipe configuration and updates or deletes the configuration.

Resource URL

```
/wave/recipe-configurations/<id>
```

Formats

JSON

Available Version

54.0

HTTP Methods

GET DELETE PATCH

Response Body for GET and PATCH

[Recipe Configuration](#)

Request Body for PATCH

[Recipe Configuration Input](#)

RECIPE 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 request body in XML format:

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

[Abstract Bucket Algorithm Input](#)

The base bucket algorithm for a recipe.

[Aggregate Input](#)

The aggregate data for a recipe node.

[Aggregate Node Input](#)

An aggregate data node in a recipe.

[Aggregate Parameters Input](#)

The parameters for an aggregate data node in a recipe.

[Append Mapping Input](#)

A mapping for an append node in a recipe.

[Append Node Input](#)

An append node in a recipe.

[Append Parameters Input](#)

The parameters for an append node in a recipe.

[Append V2 Node Input](#)

A version 2 append node in a recipe.

[Bucket Date Argument Input](#)

The argument for a bucket node date field in a recipe.

[Bucket Date Bucket Input](#)

A bucket for a bucket node date field in a recipe.

[Bucket Date Only Field Input](#)

A date only field for a bucket node in a recipe.

Recipe REST API Request Bodies

[Bucket Date Setup Input](#)

The date setup for a bucket node in a recipe.

[Bucket Date Source Field Input](#)

A date source field for a bucket node in a recipe.

[Bucket Date Time Field Input](#)

A date time field for a bucket node in a recipe.

[Bucket Dimension Bucket Input](#)

A bucket for a bucket node dimension field in a recipe.

[Bucket Dimension Field Input](#)

A dimension field for a bucket node in a recipe.

[Bucket Dimension Setup Input](#)

The dimension field setup for a bucket node in a recipe.

[Bucket Dimension Source Field Input](#)

A dimension source field for a bucket node in a recipe.

[Bucket Field Input](#)

A field for a bucket node in a recipe.

[Bucket Measure Bucket Input](#)

A bucket for a bucket node measure field in a recipe.

[Bucket Measure Field Input](#)

A measure field for a bucket node in a recipe.

[Bucket Measure Setup Input](#)

The measure field setup for a bucket node in a recipe.

[Bucket Measure Source Field Input](#)

A measure source field for a bucket node in a recipe.

[Bucket Node Input](#)

A bucket node in a recipe.

[Bucket Parameters](#)

The parameters for a bucket node in a recipe.

[Bucket Setup Input](#)

The base field setup for a bucket node in a recipe.

[Bucket Term Input](#)

A bucket term in a recipe node.

[Bucket V2 Input](#)

A version 2 bucket in a recipe.

[Bucket V2 Node Input](#)

A version 2 bucket node in a recipe, with improved functionality.

[Bucket V2 Parameters Input](#)

A paramters for a version 2 bucket node in a recipe.

[Cluster Node Input](#)

A cluster node in a recipe.

Recipe REST API Request Bodies

[Cluster Parameters](#)

The parameters for a cluster node in a recipe.

[Compute Relative Node Input](#)

A compute relative node in a recipe.

[Compute Relative Parameters Input](#)

The parameters for a compute relative node in a recipe.

[Compute Relative Sort Parameters Input](#)

The sort parameters for a compute relative node in a recipe.

[Data Object Category Input](#)

The data object category for an Output Data Cloud node.

[Detect Sentiment Node Input](#)

A detect sentiment node in a recipe.

[Detect Sentiment Parameters Input](#)

The parameters for a detect sentiment node in a recipe.

[Discovery Contributor Input](#)

The discovery contributor for an Einstein Discovery prediction field.

[Discovery Node Input](#)

An Einstein Discovery prediction node in a recipe.

[Discovery Parameters Input](#)

The parameters for an Einstein Discovery prediction node in a recipe.

[Export Limits Input](#)

The limits for an export node in a recipe.

[Export Node Input](#)

An export node in a recipe.

[Export Parameters Input](#)

The parameters for an export node in a recipe.

[Extension Node Input](#)

An extension node in a recipe.

[Extension Parameters Input](#)

The parameters for an extension node in a recipe.

[Extract Grain Field Input](#)

An extract grain field.

[Extract Grain Node Input](#)

An extract grain node in a recipe.

[Extract Grain Parameter Input](#)

A parameter for an extract grain field.

[Extract Grain Parameters Input](#)

The parameters for an extract grain node in a recipe.

[Filter Expression Input](#)

A regex expression for a filter.

Recipe REST API Request Bodies

[Filter Node Input](#)

A filter node in a recipe.

[Filter Parameters Input](#)

The parameters for a filter node in a recipe.

[Flatten Field Input](#)

A field for a flatten node in a recipe.

[Flatten Node Input](#)

A flatten node in a recipe.

[Flatten Parameters Input](#)

The parameters for a flatten node in a recipe.

[Format Date Node Input](#)

A date format conversion node in a recipe.

[Format Date Parameters Input](#)

The parameters for a date format conversion node in a recipe.

[Format Date Pattern Input](#)

The pattern for date format conversion.

[Formula Node Input](#)

A formula node in a recipe.

[Formula Parameters Input](#)

The base parameters for a formula node in a recipe.

[Join Node Input](#)

A join node in a recipe.

[Join Parameters Input](#)

The parameters for a join node in a recipe.

[Load Analytics Dataset Input](#)

A CRM Analytics dataset to load.

[Load Connected Dataset Input](#)

A connected dataset to load.

[Load Data Lake Object Input](#)

A data lake object to load.

[Load Data Model Object Input](#)

A data model object to load.

[Load Dataset Input](#)

The base dataset for a load node in a recipe.

[Load Node Input](#)

A load node in a recipe.

[Load Parameters Input](#)

The parameters for a load node in a recipe.

[Legacy Formula Field Input](#)

A legacy formula field for a formula.

Recipe REST API Request Bodies

[Legacy Formula Parameters Input](#)

The legacy formula parameters for a formula.

[Measure To Currency Input](#)

The conversion information for currency measure field.

[Optimized Append Node Input](#)

An optimized append node in a recipe.

[Optimized Append Parameters Input](#)

The parameters for an optimized append node in a recipe.

[Optimized Update Node Input](#)

An optimized append node in a recipe.

[Optimized Update Parameters Input](#)

The parameters for an optimized update node in a recipe.

[Output D360 Fields Mapping Input](#)

The fields mapping for an output D360 node in a recipe.

[Output D360 Node Input](#)

An output D360 node in a recipe.

[Output D360 Parameters Input](#)

The parameters for an output D360 node in a recipe.

[Output Data Cloud Fields Mapping Input](#)

The fields mapping for an output Data Cloud node in a recipe.

[Output Data Cloud Node Input](#)

An output Data Cloud node in a recipe.

[Output Data Cloud Parameters Input](#)

The parameters for an output Data Cloud node in a recipe.

[Output External Fields Mapping Input](#)

A field mapping for an output external node in a recipe.

[Output External Node Input](#)

An output external node in a recipe.

[Output External Parameters Input](#)

The parameters for an output external node in a recipe.

[Pivot Input](#)

A pivot for an aggregate data node in a recipe.

[Pivot V2 Input](#)

A version 2 pivot for an aggregate data node in a recipe.

[Predict Values Field Input](#)

A field for a predict values node in a recipe.

[Predict Values Input Field Input](#)

An input field for a predict values node in a recipe.

[Predict Values Node Input](#)

A predict missing values node in a recipe.

Recipe REST API Request Bodies

[Predict Values Parameters Input](#)

The parameters for a predict values node in a recipe.

[Predict Values Setup Input](#)

The setup for a predict values node field.

[Recipe Configuration Collection Input](#)

A collection of data prep recipe configurations.

[Recipe Configuration Fiscal Input](#)

The data prep recipe fiscal configuration data.

[Recipe Configuration Fiscal Offset Input](#)

The data prep recipe fiscal offset configuration data.

[Recipe Configuration](#)

A data prep recipe configuration.

[Recipe Conversion Detail Input](#)

The details for the upconversion of a data prep recipe.

[Recipe Definition Input](#)

The definition for a data prep recipe. Available on for R3 recipes.

[Recipe Input](#)

A data prep recipe.

[Recipe Name Label Input](#)

The name and label for a field in a recipe node.

[Recipe Node Input](#)

The base node for a recipe.

[Recipe Notification Input](#)

A notification for a data prep recipe.

[Recipe Type Name Input](#)

The name and type for a field in a recipe node.

[Recommendation Node Input](#)

A recommendation node in a recipe.

[Recommendation Parameters Input](#)

The parameters for a recommendation node in a recipe.

[Sample Parameters Input](#)

The sample parameters for loading data.

[Streaming Parameters Input](#)

The streaming parameters for loading data.

[Save Dataset Input](#)

The dataset for a save node in a recipe.

[Save Node Input](#)

A save data node in a recipe.

[Save Parameters Input](#)

The parameters for a save node in a recipe.

Recipe REST API Request Bodies

[Schema Field Format Symbols Input](#)

The field format symbols for a schema node in a recipe.

[Schema Field Parameters Input](#)

The field parameters for a schema node in a recipe.

[Schema Field Properties Input](#)

The field properties for a schema node in a recipe.

[Schema Field Type Properties Input](#)

The field type properties for a schema node in a recipe.

[Schema Node Input](#)

A schema node in a recipe.

[Schema Parameters Input](#)

The parameters for a schema node in a recipe.

[Schema Slice Input](#)

The slice definition for a schema node in a recipe.

[Split Node Input](#)

A split node in a recipe.

[Split Parameters Input](#)

The parameters for a split node in a recipe.

[SQL Filter Node Input](#)

A SQL filter node in a recipe.

[SQL Filter Parameters Input](#)

The parameters for a SQL filter node in a recipe.

[SQL Formula Date Only Field Input](#)

The SQL formula date only field for a recipe node.

[SQL Formula Date Time Field Input](#)

The SQL formula date time field for a recipe node.

[SQL Formula Field Input](#)

The base SQL formula field for a recipe node.

[SQL Formula Parameters Input](#)

The SQL formula parameters for a formula.

[SQL Formula Multivalue Field Input](#)

The SQL formula multivalue field for a recipe node.

[SQL Formula Numeric Field Input](#)

The SQL formula numeric field for a recipe node.

[SQL Formula Text Field Input](#)

The SQL formula text field for a recipe node.

[Target Field Input](#)

A target field for a recipe bucket.

[Time Series Input Confidence Interval High Low](#)

A confidence interval for a time series recipe node.

[Time Series Node Input](#)

A time series node in a recipe.

[Time Series Parameters Input](#)

The parameters for a time series node in a recipe.

[Time Series V2 Algorithm Input](#)

The algorithm for a time series version 2 node in a recipe.

[Time Series V2 Forecast Info Input](#)

The forecast info for a time series version 2 node in a recipe.

[Time Series V2 Node Input](#)

A time series version 2 node in a recipe.

[Time Series V2 Parameters Input](#)

The parameters for a time series version 2 node in a recipe.

[Typecast Node Input](#)

A typecast node in a recipe.

[Typecast Parameters Input](#)

The parameters for a typecast node in a recipe.

[Typographic Cluster Input](#)

The configuration for a typographic cluster algorithm.

[Update Node Input](#)

An update node in a recipe.

[Update Parameters Input](#)

The parameters for an update node in a recipe.

Abstract Bucket Algorithm Input

The base bucket algorithm for a recipe.

Properties

Inherited by [Typographic Cluster Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	RecipeBucket AlgorithmType	The algorithm type of the recipe bucket field. Valid values are: • <code>TypographicClustering</code>	Required	52.0

Aggregate Input

The aggregate data for a recipe node.

Properties

Property Name	Type	Description	Required or Optional	Available Version
action	RecipeAggregate Type	The recipe aggregation type. Valid values are: • Avg • Count • Maximum • Median • Minimum • StdDev • StdDevP • Sum • Unique • Var • VarP	Required	49.0
label	String	The label for the aggregate data.	Required	49.0
name	String	The name for the aggregate data.	Required	49.0
source	String	The source for the aggregate data.	Required	49.0

Aggregate Node Input

An aggregate data node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	Aggregate ParametersInput	The parameters for the node.	Required	49.0

Aggregate Parameters Input

The parameters for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
aggregations	AggregateInput[]	The list of aggregations for the node.	Required	49.0
groupings	String[]	The list of groupings for the node.	Required	49.0
nodeType	RecipeAggregate NodeEnum	The aggregate type for the node. Valid values are: • Hierarchical • Standard	Required	49.0
parentField	String	The parent field for the node	Required	53.0
percentageField	String	The percentage field for the node	Required	53.0
pivot_v2	PivotV2Input[]	The pivot v2 data for the node.	Optional	54.0
pivots	PivotInput[]	The list of pivots for the node.	Required	51.0
selfField	String	The self field for the node	Required	53.0

Append Mapping Input

A mapping for an append node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
bottom	String	The bottom dataset field.	Required	51.0
top	String	The top dataset field.	Required	51.0

Append Node Input

An append node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	AppendParameters Input	The parameters for the node.	Required	49.0

Append Parameters Input

The parameters for an append node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
allowImplicitDisjointSchema	Boolean	Indicates whether disjoint schema merge is allowed when automatically mapping fields (true) or not (false).	Optional	55.0
fieldMappings	AppendMapping Input[]	The list of mappings for the node.	Required	51.0

Append V2 Node Input

A version 2 append node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	AppendParameters Input	The parameters for the node.	Required	49.0

Bucket Date Argument Input

The argument for a bucket node date field in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
argument	Long	The date argument.	Required	51.0
type	RecipeBucketGrain	The bucket grain for the field. Valid values are: • <code>AbsoluteDate</code> • <code>Days</code> • <code>FiscalQuarters</code> • <code>FiscalYears</code> • <code>Months</code> • <code>Quarters</code> • <code>Weeks</code> • <code>Years</code>	Required	51.0

Bucket Date Bucket Input

A bucket for a bucket node date field in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
rangeEnd	BucketDate ArgumentInput	The date range end.	Required	51.0
rangeStart	BucketDate ArgumentInput	The date range start.	Required	51.0
value	String	The date value.	Required	51.0

Bucket Date Only Field Input

A date only field for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
bucketsSetup	BucketDateSetupInput	The setup for the date bucket.	Required	51.0

Bucket Date Setup Input

The date setup for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Setup Input](#).

Property Name	Type	Description	Required or Optional	Available Version
buckets	BucketDateBucketInput[]	The list of buckets.	Required	51.0
sourceField	BucketDateSourceFieldInput	The source field.	Required	51.0

Bucket Date Source Field Input

A date source field for a bucket node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the field.	Required	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number • Text	Required	51.0

Bucket Date Time Field Input

A date time field for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
bucketsSetup	BucketDateSetup Input	The setup for the date bucket.	Required	51.0

Bucket Dimension Bucket Input

A bucket for a bucket node dimension field in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceValues	String[]	The list of source values.	Required	51.0
value	String	The dimension value.	Required	51.0

Bucket Dimension Field Input

A dimension field for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
bucketsSetup	BucketDimension SetupInput	The setup for a dimension field.	Required	51.0

Bucket Dimension Setup Input

The dimension field setup for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Setup Input](#).

Property Name	Type	Description	Required or Optional	Available Version
buckets	BucketDimension BucketInput[]	The list of buckets.	Required	51.0
sourceField	BucketDimension SourceFieldInput	The source field.	Required	51.0

Bucket Dimension Source Field Input

A dimension source field for a bucket node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the field.	Required	51.0
type	RecipeDataType	The recipe data type. Valid values are: • <code>DateOnly</code> • <code>DateTime</code> • <code>Multivalue</code> • <code>Number</code> • <code>Text</code>	Required	51.0

Bucket Field Input

A field for a bucket node in a recipe.

Properties

Inherited by [Bucket Date Only Field Input](#), [Bucket Date Time Field Input](#), [Bucket Dimension Field Input](#), and [Bucket Measure Field Input](#)

Property Name	Type	Description	Required or Optional	Available Version
label	String	The bucket field property label.	Required	51.0
name	String	The bucket field property name.	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
type	RecipeDataType	The recipe data type. Valid values are: - DateOnly - DateTime - Multivalue - Number - Text	Required	51.0

Bucket Measure Bucket Input

A bucket for a bucket node measure field in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
rangeEnd	Double	The range end.	Required	51.0
rangeStart	Double	The range start.	Required	51.0
value	String	The measure value.	Required	51.0

Bucket Measure Field Input

A measure field for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
bucketsSetup	BucketMeasureSetup Input	The setup for a measure field.	Required	51.0

Bucket Measure Setup Input

The measure field setup for a bucket node in a recipe.

Properties

Inherits properties from [Bucket Setup Input](#).

Property Name	Type	Description	Required or Optional	Available Version
buckets	BucketMeasure BucketInput []	The list of buckets.	Required	51.0
sourceField	BucketMeasure SourceFieldInput	The source field.	Required	51.0

Bucket Measure Source Field Input

A measure source field for a bucket node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the field.	Required	51.0
type	RecipeDataType	The recipe data type. Valid values are: • <code>DateOnly</code> • <code>DateTime</code> • <code>Multivalue</code> • <code>Number</code> • <code>Text</code>	Required	51.0

Bucket Node Input

A bucket node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	BucketParameters Input	The parameters for the bucket node.	Required	51.0

Bucket Parameters

The parameters for a bucket node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	BucketFieldInput[]	The list of fields for the node. Valid bucket fields are: BucketDateOnlyFieldInput BucketDateTimeFieldInput BucketDimensionFieldInput BucketMeasureFieldInput	Required	51.0

Bucket Setup Input

The base field setup for a bucket node in a recipe.

Properties

d

Inherited by [Bucket Date Setup Input](#), [Bucket Dimension Setup Input](#), and [Bucket Measure Setup Input](#)

Property Name	Type	Description	Required or Optional	Available Version
algorithm	AbstractBucketAlgorithmInput	The bucketing algorithm. Valid values are: TypographicClusterInput	Required	52.0
defaultBucket Value	String	The default bucket value.	Required	51.0
isPassThrough Enabled	Boolean	Indicates whether pass through is enabled (<code>true</code>) or not (<code>false</code>).	Required	51.0
nullBucket Value	String	The null bucket value	Required	51.0

Bucket Term Input

A bucket term in a recipe node.

Properties

Property Name	Type	Description	Required or Optional	Available Version
opType	RecipeDataType	The recipe node data type. Valid recipe data types are: - DateOnly - DateTime - Multivalue - Number - Text	Required	64.0
operands	Map<Object, Object>	A map of operands for the bucket term.	Required	64.0
operator	String	The operator for the bucket term.	Required	64.0

Bucket V2 Input

A version 2 bucket in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
booleanLogic	String	A boolean expression for the bucket.	Optional	64.0
terms	BucketTermInput on page 35	The list of terms for the bucket.	Optional	64.0
value	String	The value for the bucket.	Required	64.0

Bucket V2 Node Input

A version 2 bucket node in a recipe, with improved functionality.

Properties

Inherits properties from [Recipe Node Input](#) on page 69.

Property Name	Type	Description	Required or Optional	Available Version
parameters	BucketV2Parameters Input on page 37	The parameters for the V2 bucket node.	Required	64.0

Bucket V2 Parameters Input

A parameters for a version 2 bucket node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
algorithm	AbstractBucket AlgorithmInput on page 25[]	The bucket algorithm. Valid bucket algorithms are: TypographicClusterInput on page 87	Required	64.0
buckets	BucketV2Input on page 36[]	A list of the buckets for the node.	Required	64.0
defaultBucket	Object	A default bucket for the node.	Required	64.0
multiValue Result	boolean	Indicates whether the bucket result is multi-value (<code>true</code>) or not (<code>false</code>).	Optional	64.0
nullBucket	Object	A null bucket for the node.	Optional	64.0
passthrough Enabled	boolean	Indicates whether pass through is enabled for the bucket (<code>true</code>) or not (<code>false</code>).	Optional	64.0
sourceField	String	The source field for the bucket.	Required	64.0
targetField	TargetFieldInput on page 82	The target field for the bucket.	Required	64.0

Cluster Node Input

A cluster node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	ClusterParametersInput	The parameters for the bucket node.	Required	51.0

Cluster Parameters

The parameters for a cluster node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
clusterCount	Integer	The cluster count.	Required	51.0
findOptimal Clusters	Boolean	Indicates whether to find the optimal clusters (<code>true</code>) or (<code>not</code>).	Required	53.0
produceScaled Columns	Boolean	Indicates whether to produce scaled columns (<code>true</code>) or (<code>not</code>).	Required	53.0
scaling	MeasureScalingType Enum	The scaling type. Valid values are: • <code>MinMaxScaling</code>	Required	53.0
sourceFields	String[]	The source fields.	Required	51.0
targetField	RecipeNameLabelInput	The target field.	Required	51.0
targetScaled Fields	RecipeNameLabelInput[]	A list of target scaled fields.	Required	53.0

Compute Relative Node Input

A compute relative node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	ComputeRelativeParametersInput	The parameters for the node.	Required	51.0

Compute Relative Parameters Input

The parameters for a compute relative node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
expression Type	RecipeFormula ExpressionType	The formula expression type. Valid values are: - Legacy - Sql	Optional	51.0
fields	SqlFormulaField Input[]	The list of formula fields. Valid values are: SQL Formula Date Only Field Input SQL Formula Date Time Field Input SQL Formula Multivalue Field Input SQL Formula Numeric Field Input SQL Formula Text Field Input	Required	51.0
orderBy	ComputeRelativeSort ParametersInput[]	The list of sort fields.	Optional	51.0
partitionBy	String[]	The list of partition by values.	Optional	51.0

Compute Relative Sort Parameters Input

The sort parameters for a compute relative node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
direction	RecipeSortOrder Enum	The sort direction. Valid values are: - Ascending - Descending	Required	51.0
fieldName	String	The field name.	Required	51.0

Data Object Category Input

The data object category for an Output Data Cloud node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
categoryName	String	The name of the data category.	Required	60.0
label	String	The label of the data category.	Required	60.0

Detect Sentiment Node Input

A detect sentiment node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	DetectSentimentParametersInput	The parameters for the node.	Required	51.0

Detect Sentiment Parameters Input

The parameters for a detect sentiment node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
outputType	DetectSentimentOutputTypeEnum	The output type. Valid values are: - Dimension - Measure	Required	54.0
sentimentScore	SentimentScoreTypeEnum	The sentiment score type. Valid values are: - All - None	Required	54.0

Property Name	Type	Description	Required or Optional	Available Version
sourceField	String	The source field.	Required	51.0
targetField	RecipeNameLabel Input	The target field.	Required	51.0
targetSentimentScoreFields	Map<String, Map<String, RecipeNameLabelInput >	The collection of target confidence fields.	Required	54.0

Discovery Contributor Input

The discovery contributor for an Einstein Discovery prediction field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
field	RecipeNameLabel Input	The discovery field.	Required	51.0
impact	RecipeNameLabel Input	The discovery impact.	Required	51.0

Discovery Node Input

An Einstein Discovery prediction node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	DiscoveryParameters Input	The parameters for the node.	Required	51.0

Discovery Parameters Input

The parameters for an Einstein Discovery prediction node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
columnMapping	Map<String,String>	The map of column mappings.	Required	51.0
multiClass Fields	DiscoveryContributor Input[]	The list of multiclass fields.	Required	56.0
predictSource	RecipeTypeName Input	The prediction source.	Required	51.0
prediction FactorFields	DiscoveryContributor Input[]	The list of prediction factor fields.	Required	51.0
prediction Field	RecipeNameLabel Input	The prediction field.	Required	51.0
prescription Fields	DiscoveryContributor Input[]	The list of prescription fields.	Required	51.0

Export Limits Input

The limits for an export node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
maxFileSizeIn Bytes	Integer	The maximum file size for the export partition.	Required	51.0
maxRowCount	Integer	The maximum row count for the export partition.	Required	51.0

Export Node Input

An export node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	ExportParameters Input	The parameters for the node.	Required	51.0

Export Parameters Input

The parameters for an export node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
csvHeaderRowValueType	RecipeExportCsvHeaderRowValueType	The type of the recipe export CSV header row value. Valid values are: - FullyQualifiedName - Label	Required	53.0
fields	String[]	The list of fields to export.	Required	51.0
format	String	The format of the export.	Required	51.0
limitsPerPart	ExportLimitsInput	The limits to export.	Required	51.0
userId	String	The user ID with access to the exported data.	Required	51.0

Extension Node Input

An extension node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	ExtensionParameters Input	The parameters for the node.	Required	51.0

Extension Parameters Input

The parameters for an extension node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
args	Map<Object, Object>	A map of extension arguments, defined by the extension definition	Required	56.0
name	String	The name of the extension.	Required	56.0
namespace	String	The namespace of the extension.	Required	56.0
version	Double	The version of the extension.	Required	56.0

Extract Grain Field Input

An extract grain field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
grainType	RecipeDateGrain	The extract grain type. Valid values are: - Day - DayEpoch - FiscalMonth - FiscalQuarter - FiscalWeek - FiscalYear - Hour - Minute - Month - Quarter - Second - SecondEpoch - Week - Year	Required	51.0
label	String	The extract field label.	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
name	String	The extract field name.	Required	51.0

Extract Grain Node Input

An extract grain node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	ExtractGrainParametersInput	The parameters for the node.	Required	51.0

Extract Grain Parameter Input

A parameter for an extract grain field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
source	String	The source field.	Required	51.0
targets	ExtractGrainFieldInput[]	The list of grain fields.	Required	51.0

Extract Grain Parameters Input

The parameters for an extract grain node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
date Configuration Name	String	The date configuration name.	Required	55.0
grain Extractions	ExtractGrain ParameterInput[]	The date fields to extract grains for.	Required	51.0

Filter Expression Input

A regex expression for a filter.

Properties

Property Name	Type	Description	Required or Optional	Available Version
field	String	The field to filter on.	Required	51.0
operands	Object[]	The list of operands.	Required	51.0
operator	String	The operator to use for the filter.	Required	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number • Text	Required	51.0

Filter Node Input

A filter node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	FilterParameters Input	The parameters for the node.	Required	51.0

Filter Parameters Input

The parameters for a filter node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
filterBoolean Logic	String	The filter boolean logic.	Optional	52.0
filter Expressions	FilterExpression Input[]	The list of filter expressions.	Required	51.0

Flatten Field Input

A field for a flatten node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
isSystemField	Boolean	Indicates whether the field is a system field (<code>true</code>) or not (<code>false</code>).	Required	51.0
label	String	The field label.	Required	51.0
name	String	The field name.	Required	51.0

Flatten Node Input

A flatten node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	FlattenParametersInput	The parameters for the node.	Required	51.0

Flatten Parameters Input

The parameters for a flatten node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
includeSelfId	Boolean	Indicates whether to include the self-ID (<code>true</code>) or not (<code>false</code>).	Required	51.0
multiField	FlattenFieldInput	The multi field.	Required	51.0
parentField	String	The parent field.	Required	51.0
pathField	FlattenFieldInput	The path field.	Required	51.0
selfField	String	The self-field.	Required	51.0

Format Date Node Input

A date format conversion node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	FormatDateParametersInput	The parameters for the node.	Required	51.0

Format Date Parameters Input

The parameters for a date format conversion node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceField	String	The source field.	Required	51.0
sourceFormats	FormatDatePatternInput[]	The list of source date formats.	Required	51.0
targetField	RecipeNameLabelInput	The target field.	Required	51.0
targetFormat	FormatDatePatternInput	The target date format.	Required	51.0

Format Date Pattern Input

The pattern for date format conversion.

Properties

Property Name	Type	Description	Required or Optional	Available Version
construction	String[]	The list of values for construction of the date format.	Required	51.0
groups	String[]	The list of date format groups.	Required	51.0
regex	String	The regular expression for the date format.	Optional	51.0

Formula Node Input

A formula node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	FormulaParametersInput	The parameters for the node. Valid values are: LegacyFormulaParametersInput SqlFormulaParametersInput	Required	51.0

Formula Parameters Input

The base parameters for a formula node in a recipe.

Properties

Inherited by [LegacyFormulaParametersInput](#) and [SqlFormulaParametersInput](#).

Property Name	Type	Description	Required or Optional	Available Version
expression Type	RecipeFormula ExpressionType	The formula expression type. Valid values are: - Legacy - Sql	Required	51.0

Join Node Input

A join node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	JoinParametersInput	The parameters for the node.	Required	51.0

Join Parameters Input

The parameters for a join node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
joinType	RecipeJoinType	The join type. Valid values are: - Cross - Inner - LeftOuter - Lookup	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
		- MultiValueLookup - Outer - RightOuter		
leftKeys	String[]	The list of left keys.	Required	51.0
leftQualifier	String	The left qualifier.	Required	51.0
rightKeys	String[]	The list of right keys.	Required	51.0
rightQualifier	String	The right qualifier.	Required	51.0

Load Analytics Dataset Input

A CRM Analytics dataset to load.

Properties

Inherits properties from [Load Dataset Input](#).

Property Name	Type	Description	Required or Optional	Available Version
name	String	The dataset name.	Required	51.0

Load Connected Dataset Input

A connected dataset to load.

Properties

Inherits properties from [Load Dataset Input](#).

Property Name	Type	Description	Required or Optional	Available Version
connectionName	String	The name of the connection.	Required	51.0
filter	FilterParameters Input	The pushdown filter.	Optional	52.0
sourceObjectName	String	The name of the source object.	Required	51.0

Load Data Lake Object Input

A data lake object to load.

Properties

Inherits properties from [Load Dataset Input](#).

Property Name	Type	Description	Required or Optional	Available Version
name	String	The data lake object name.	Required	56.0

Load Data Model Object Input

A data model object to load.

Properties

Inherits properties from [Load Dataset Input](#).

Property Name	Type	Description	Required or Optional	Available Version
name	String	The data model object name.	Required	56.0

Load Dataset Input

The base dataset for a load node in a recipe.

Properties

Inherited by [Load Analytics Dataset Input](#), [Load Connected Dataset Input](#), [Load Data Lake Object Input](#), and [Load Data Model Object Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	RecipeDatasetType	The type of the dataset. Valid values are: - Analytics - Connected - DataLakeObject - DataModelObject	Required	51.0

Load Node Input

A load node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	LoadParameters Input	The parameters for the node.	Required	51.0

Load Parameters Input

The parameters for a load node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
dataset	LoadDatasetInput	The dataset to load. Valid values are: Load Analytics Dataset Input Load Connected Dataset Input Load Data Lake Object Input Load Data Model ObjectInput	Required	51.0
fields	String[]	The list of fields to load.	Required	51.0
purgeCache	Boolean	Indicates whether to purge the cache (<code>true</code>) or not (<code>false</code>).	Optional	57.0
runMode	InputRunModeEnum	The input run mode. Valid values are: - Full - Incremental - Streaming	Optional	57.0
sampleDetails	SampleParameters Input	The sample parameters for the dataset load.	Required	55.0
sampleSize	Integer	The number of rows to load.	Required	51.0

Legacy Formula Field Input

A legacy formula field for a formula.

Properties

Property Name	Type	Description	Required or Optional	Available Version
formula Expression	String	The formula expression.	Required	51.0
label	String	The field label.	Required	51.0
name	String	The field name.	Required	51.0

Legacy Formula Parameters Input

The legacy formula parameters for a formula.

Properties

Inherits properties from [Formula Parameters Input](#).

Property Name	Type	Description	Required or Optional	Available Version
fields	LegacyFormulaField Input[]	The list of fields.	Required	51.0

Measure To Currency Input

The conversion information for currency measure field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
conversion RateDateField	String	The conversion rate date field.	Required	56.0
measureField	String	The measure field.	Required	56.0

Optimized Append Node Input

An optimized append node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	OptimizedAppendParametersInput	The parameters for the node.	Required	62.0

Optimized Append Parameters Input

The parameters for an optimized append node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
allowImplicitDisjointSchema	Boolean	Indicates whether disjoint schema merge is allowed (<code>true</code>) or not (<code>false</code>).	Required	62.0
dataset	LoadAnalyticsDatasetInput	The base dataset to append.	Required	62.0
dateConfigurationName	String	The name of the date configuration.	Required	62.0
operation	OperationEnum	The append operation type. Valid operation types are: - Append - Delete - Upsert	Required	64.0

Optimized Update Node Input

An optimized append node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	OptimizedUpdateParametersInput	The parameters for the node.	Required	62.0

Optimized Update Parameters Input

The parameters for an optimized update node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
allowImplicitDisjointSchema	Boolean	Indicates whether disjoint schema merge is allowed (<code>true</code>) or not (<code>false</code>).	Required	64.0
dataset	LoadAnalyticsDatasetInput	The base dataset to append.	Required	64.0
dateConfigurationName	String	The name of the date configuration.	Required	64.0
operation	OperationEnum	The append operation type. Valid operation types are: - Append - Delete - Upsert	Required	64.0

Output D360 Fields Mapping Input

The fields mapping for an output D360 node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceField	String	The name of the source field.	Required	56.0
targetField	String	The name of the target field.	Required	56.0

Output D360 Node Input

An output D360 node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	OutputD360ParametersInput	The parameters for the node.	Required	56.0

Output D360 Parameters Input

The parameters for an output D360 node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fieldsMapping	OutputD360FieldsMappingInput[]	The list of field mappings.	Required	56.0
name	String	The name of the D360 object.	Required	56.0
streaming	StreamingParametersInput[]	The streaming parameters.	Required	57.0
type	RecipeD360Output Type	The output type. Valid values are: <code>DateLakeObject</code>	Required	56.0

Output Data Cloud Fields Mapping Input

The fields mapping for an output Data Cloud node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
dataType	String	The data type of the target field.	Required	60.0
sourceField	String	The name of the source field.	Required	60.0
targetField	String	The name of the target field.	Required	60.0
targetLabel	String	The label of the target field.	Required	60.0

Output Data Cloud Node Input

An output Data Cloud node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	OutputDataCloudParametersInput	The parameters for the node.	Required	60.0

Output Data Cloud Parameters Input

The parameters for an output Data Cloud node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
category	DataObjectCategoryInput	The data category for the Data Lake object (DLO).	Required	60.0
connectorType	ConnectWaveDataConnectorTypeEnum	The output connector type. Valid values are: AmazonAthena	Required	60.0

Property Name	Type	Description	Required or Optional	Available Version
		• AmazonRedshiftOutput • AmazonS3 • AmazonS3Output • AwsRdsAuroraMySQL • AwsRdsAuroraPostgres • AwsRdsMariaDB • AwsRdsMySQL • AwsRdsPostgres • AwsRdsSqlServer • AzureDataLakeGen2Output • AzureSqlDatabase • AzureSqlDatawarehouse • Databricks (Beta) • GoogleAnalytics • GoogleAnalytics4 • GoogleAnalyticsCoreReporting • GoogleBigQuery • GoogleBigQueryDirect • GoogleBigQueryStandardSQL • GoogleSpanner • HerokuPostgres • HubSpot • MarketoV2 • MulesoftMySQL • MulesoftOracle • MulesoftSqlServer • NetSuite • OracleEloqua • Redshift • SalesforceExternal • SalesforceMarketingCloudOAuth2 • SapHanaCloud • SfdcLocal • SnowflakeComputing • SnowflakeDirect • SnowflakeOutput		

Property Name	Type	Description	Required or Optional	Available Version
		- TableauOnline - TableauHyperOutput - Zendesk		
dataspace	AssetReferenceInput	The data space to use in Data Cloud.	Required	60.0
description	String	The description of the Data Cloud object.	Small, v60.0	60.0
fieldsMapping	OutputDataCloudFieldsMappingInput[]	The list of field mappings.	Required	60.0
label	String	The label of the Data Cloud object.	Required	60.0
name	String	The name of the Data Cloud object.	Required	60.0
primaryKey	String	The name of the primary key field for the Data Cloud object.	Required	60.0
type	RecipeDataCloudOutputTypeEnum	The output type. Valid values are: DateLakeObject	Required	60.0

Output External Fields Mapping Input

A field mapping for an output external node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceField	String	The name of the source field.	Required	51.0
targetField	String	The name of the target field.	Required	51.0

Output External Node Input

An output external node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	OutputExternalParametersInput	The parameters for the node.	Required	56.0

Output External Parameters Input

The parameters for an output external node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
connection Name	String	The connection name.	Required	51.0
externalId FieldName	String	The field name for the external ID.	Required	51.0
fieldsMapping	OutputExternalFieldMappingInput[]	The list of field mappings.	Required	56.0
hyperFileName	String	The name of hyper file.	Required	54.0
object	String	The object name.	Required	51.0
operation	RecipeOutput ExternalOperation	The output external operation type. Valid values are: • Empty • Insert • Update • Upsert	Required	51.0

Pivot Input

A pivot for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
source	String	The source for the pivot.	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
values	String[]	The list of values for the pivot.	Required	51.0

Pivot V2 Input

A version 2 pivot for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
pivotFields Info	Map< RecipeName LabelInput , List	The map of the pivot fields information.	Required	54.0
sourceFields	String[]	The list of source fields for the pivot.	Required	54.0
value Combinations	String[]	The list of value combinations for the pivot.	Required	54.0

Predict Values Field Input

A field for a predict values node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
label	String	The label for the field.	Required	51.0
name	String	The name for the field.	Required	51.0
prediction Setup	PredictValuesSetup Input[]	The setup for the field.	Required	51.0

Predict Values Input Field Input

An input field for a predict values node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The field name.	Required	51.0

Predict Values Node Input

A predict missing values node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	PredictValuesParametersInput	The parameters for the node.	Required	51.0

Predict Values Parameters Input

The parameters for a predict values node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	PredictValuesFieldInput[]	The list of fields.	Required	51.0

Predict Values Setup Input

The setup for a predict values node field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
modelInputFields	PredictValuesInputFieldInput[]	The list of input fields for the model.	Required	51.0
sourceField	PredictValuesInputFieldInput	The source field.	Required	51.0

Recipe Configuration Collection Input

A collection of data prep recipe configurations.

Properties

Property Name	Type	Description	Required or Optional	Available Version
recipeConfigurations	RecipeConfigurationCollectionInput[]	The list of recipe configurations to update.	Required	54.0

Recipe Configuration Fiscal Input

The data prep recipe fiscal configuration data.

Properties

Property Name	Type	Description	Required or Optional	Available Version
firstDayOfWeek	Integer	The first day of week, calendar and fiscal.	Required	55.0
fiscalType	RecipeConfigurationTypeEnum	The recipe configuration fiscal type. Valid values are: Offset (Recipe Configuration Fiscal Offset Input)	Required	54.0
isDefault	Boolean	Indicates whether this recipe configuration is the default configuration (<code>true</code>) or not (<code>false</code>).	Required	54.0

Recipe Configuration Fiscal Offset Input

The data prep recipe fiscal offset configuration data.

Properties

Property Name	Type	Description	Required or Optional	Available Version
id	String	The ID of the recipe configuration.	Required	54.0
monthOffset	String	The month offset.	Required	54.0
yearBasedOn	RecipeConfigurationFiscalOffsetYearBasedOnEnum	The fiscal offset year based on for the recipe configuration. Valid values are: • End • Start	Required	54.0

Recipe Configuration

A data prep recipe configuration.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fiscalType	RecipeConfigurationTypeEnum	The recipe configuration fiscal type. Valid values are: • Fiscal (Recipe Configuration Fiscal Input)	Required	54.0
isDefault	Boolean	Indicates whether this recipe configuration is the default configuration (<code>true</code>) or not (<code>false</code>).	Required	54.0

Recipe Conversion Detail Input

The details for the upconversion of a data prep recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
conversionDetailId	Integer	The conversion detail ID.	Required	52.0
message	String	The conversion detail message.	Required	52.0
nodeName	String	The name of the node referenced in the conversion detail.	Required	52.0
severity	ConnectRecipe ConversionSeverity Enum	The severity of the conversion detail. Valid values are: - UserInfo - Warning	Small, 52.0	52.0

Recipe Definition Input

The definition for a data prep recipe. Available on for R3 recipes.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The recipe definition name.	Required	49.0
nodes	Map<String, Recipe NodeInput >	The map of recipe nodes by name. Valid values are: Aggregate Node Append Node Input Append V2 Node Input Bucket Node Input Bucket V@ Node Input Cluster Node Input Compute Relative Node Input Detect Sentiment Node Input Discovery Node Input Export Node Input Extension Node Input Extract Grain Node Input Filter Node Input	Required	49.0

Property Name	Type	Description	Required or Optional	Available Version
		- Flatten Node Input - Format Date Node Input - Formula Node Input - Join Node Input - Load Node Input - Optimized Append Node Input - Optimized Update Node Input - Output D360 Node Input - Output Data Cloud Node Input - Output External Node Input - Predict Values Node Input - Recommendation Node Input - Save Node Input - Schema Node Input - Split Node Input - SQL Filter Node Input - Time Series Node Input - Time Series V2 Node Input - Typecast Node Input - Update Node Input		
runMode	RecipeRunMode	The recipe run mode. Valid values are: - Full - Incremental - Streaming	Required	57.0
version	String	The recipe definition version.	Required	49.0
ui	Object	The recipe definition UI metadata.	Required	49.0

Recipe Input

A data prep recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
conversion Details	RecipeConversionDetailInput[]	The list of conversion details when converting the recipe to R3 that are saved.	Optional	51.0
dataflow Definition	String	The recipe's definition.	Optional	38.0
execution Engine	ConnectRecipe ExecutionEngine Enum	The recipe's execution engine. Valid values are: - v1 - v2	Optional	41.0
fileContent	String	The recipe's JSON file content (see /wave/recipes/<recipeId>/file for more information). This property is internal to the recipe UI and is available for debugging and reference purposes only. This property is valid only for Data Prep Classic recipes.	Required for POST and PATCH	38.0
folder	AssetReferenceInput	The Analytics app the recipe is published in.	Required when dataflow Definition is present	38.0
format	ConnectRecipe FormatTypeEnum	Specifies the format of the recipe. Valid values are: - R2 (Data Prep Classic) - R3 (Data Prep)	Required	48.0
historyLabel	String	A history label to tag the version of the recipe.	Optional	51.0
label	String	A short label for the recipe.	Optional	38.0
license Attributes	LicensesAttributesInput	The recipe license type and other properties.	Optional	51.0
publishing Target	ConnectRecipe PublishingTarget Enum	The target format or system to publish the recipe to. Valid values are: Dataset (Publish to Dataset)	Optional	42.0
recipe Definition	RecipeDefinitionInput	The recipe definition for the Data Prep recipe only. This property isn't supported for Data Prep Classic recipes.	Optional	49.0

Property Name	Type	Description	Required or Optional	Available Version
rowLevel Security Predicate	String	The security predicate of the target dataset.	Optional	38.0
schedule	String	The recipe's schedule dataflow run.	Optional	38.0
source Dataflow	AssetReferenceInput	The source dataflow asset used to upconvert to the recipe to R3.	Optional	51.0

Recipe Name Label Input

The name and label for a field in a recipe node.

Properties

Property Name	Type	Description	Required or Optional	Available Version
label	String	The label of the field.	Required	49.0
name	String	The name of the field.	Required	49.0
value Combinations	String[]	The list of value combinations for the pivot.	Required	54.0

Recipe Node Input

The base node for a recipe.

Properties

Inherited by [Aggregate Node](#), [Append Node Input](#), [Append V2 Node Input](#), [Bucket Node Input](#), [Bucket V2 Node Input](#), [Cluster Node Input](#), [Compute Relative Node Input](#), [Detect Sentiment Node Input](#), [Discovery Node Input](#), [Export Node Input](#), [Extension Node Input](#), [Extract Grain Node Input](#), [Filter Node Input](#), [Flatten Node Input](#), [Format Date Node Input](#), [Formula Node Input](#), [Join Node Input](#), [Load Node Input](#), [Optimized Append Node Input](#), [Optimized Update Node Input](#), [Output D360 Node Input](#), [Output Data Cloud Node Input](#), [Output External Node Input](#), [Predict Values Node Input](#), [Recommendation Node Input](#), [Save Node Input](#), [Schema Node Input](#), [Split Node Input](#), [SQL Filter Node Input](#), [Time Series Node Input](#), [Time Series V2 Node Input](#), [Typecast Node Input](#), and [Update Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
action	RecipeNodeAction	The recipe node action. Valid recipe actions are: Aggregate	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
		• Append • Append_V2 • Bucket • Bucket_V2 • Clustering • ComputeRelative • DateFormatConversion • DetectSentiment • DiscoveryPredict • Export • Extension • Extract • Filter • Flatten • Formula • Join • Load • OptimizedAppendOutput • OptimizedUpdateOutput • OutputD360 • OutputExternal • PredictMissingValues • Recommendation • Save • Schema • Split • SqlFilter • TimeSeries • TimeSeriesV2 • TypeCast • Update • WriteDataCloudObject		
schema	SchemaNodeInput	The schema changes for the node.	Required	51.0
sources	String[]	The source node ids.	Required	51.0

Recipe Notification Input

A notification for a data prep recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
longRunningAlertInMins	Integer	The number of minutes that a recipe can run before sending an alert.	Optional	49.0
notificationLevel	ConnectEmailNotificationLevelEnum	Valid types of email notification levels. Valid values are: • Always • Failures • Never • Warnings	Required	49.0

Recipe Type Name Input

The name and type for a field in a recipe node.

Properties

Property Name	Type	Description	Required or Optional	Available Version
name	String	The name of the field.	Required	49.0
type	String	The type of the field.	Required	49.0

Recommendation Node Input

A recommendation node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	Recommendation ParametersInput	The parameters for the node.	Required	53.0

Recommendation Parameters Input

The parameters for a recommendation node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
custIdField	String	The customer ID field.	Required	53.0
exclude Previous Recommendations	Boolean	Indicates whether to exclude previous recommendations (<code>true</code>) or not (<code>false</code>).	Required	53.0
productId Field	String	The product ID field.	Required	53.0
product Recommendations	Integer	The product recommendations field.	Required	53.0
ratingField	String	The rating field.	Required	53.0
targetField	RecipeNameLabel Input	The target field.	Required	53.0
targetRank Field	RecipeNameLabel Input	The target rank field.	Required	53.0
targetRating Field	RecipeNameLabel Input	The target rating field.	Required	53.0
useImplicit Ratings	Boolean	Indicates whether to use implicit ratings (<code>true</code>) or not (<code>false</code>).	Required	53.0

Sample Parameters Input

The sample parameters for loading data.

Properties

Property Name	Type	Description	Required or Optional	Available Version
filters	FilterParameters Input	The sample filters.	Required	55.0
sortBy	String[]	A list of fields to sort sample.	Required	55.0
sortDirection	RecipeSortOrder Enum	The sample sort direction. Valid values are: - Ascending - Descending	Required	55.0
sampleType	SampleType	The recipe sample type. Valid values are: - Custom - Random - TopN - Unique	Required	55.0
uniqueSampleFieldName	String	The field name for a unique sample.	Required	55.0

Streaming Parameters Input

The streaming parameters for loading data.

Properties

Property Name	Type	Description	Required or Optional	Available Version
outputMode	OutputModeEnum	The output mode. Valid values are: - Append - Complete - Update	Required	57.0
triggerIntervalSec	Integer	The trigger interval in seconds.	Required	57.0
triggerType	TriggerTypeEnum	The trigger type. Valid values are: Fixed	Required	55.0

Save Dataset Input

The dataset for a save node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
folderName	String	The analytics folder for the dataset.	Optional	51.0
isStaged	Boolean	Indicates whether the data is staged (<code>true</code>) or not (<code>false</code>).	Required	53.0
label	String	The label for the dataset.	Required	51.0
name	String	The name of the dataset.	Required	51.0
rowLevelSecurityFilter	String	The security predicate.	Required	51.0
rowLevelSharingSource	String	The subject security sharing source.	Required	51.0
type	String	The type of the dataset.	Required	51.0

Save Node Input

A save data node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	SaveParametersInput	The parameters for the node.	Required	49.0

Save Parameters Input

The parameters for a save node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
dataset	SaveDatasetInput	The dataset to save.	Required	51.0
date Configuration Name	String	The date configuration name.	Required	55.0
fields	String[]	The list of fields to save.	Required	51.0
measuresTo Currencies	MeasureToCurrency Input[]	A list of the measures to currencies.	Required	56.0

Schema Field Format Symbols Input

The field format symbols for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
currency Symbol	String	The currency symbol format.	Optional	51.0
decimalSymbol	String	The decimal symbol format.	Optional	51.0
grouping Symbol	String	The grouping symbol format.	Optional	51.0

Schema Field Parameters Input

The field parameters for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
errorValue	String	The value to output on error.	Optional	52.0
name	String	The schema field name.	Required	51.0
newProperties	SchemaField PropertiesInput	The schema field properties.	Required	51.0

Schema Field Properties Input

The field properties for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
label	String	The new schema field property label.	Required	51.0
name	String	The new schema field property name.	Required	51.0
type Properties	SchemaFieldTypePropertiesInput	The new schema type property type values.	Required	51.0

Schema Field Type Properties Input

The field type properties for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
format	String	The DateTime format.	Optional	51.0
length	Integer	The total length of the text.	Required	51.0
precision	Integer	The length of an arbitrary precision value.	Optional	51.0
scale	Integer	The number of digits to the right of the decimal point.	Optional	51.0
symbols	SchemaFieldFormatSymbolsInput	The number format.	Optional	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number • Text	Required	51.0

Schema Node Input

A schema node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
fields	SchemaParametersInput[]	The schema fields for the node.	Required	51.0

Schema Parameters Input

The parameters for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	SchemaFieldParametersInputRepresentation[]	The schema fields for the node.	Required	51.0
slice	SchemaSliceInput	The schema slice definition for the node.	Required	51.0

Schema Slice Input

The slice definition for a schema node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	String[]	The list of fields for <code>SELECT</code> or <code>DROP</code> .	Required	51.0
ignoreMissingFields	Boolean	Indicates whether the node action ignores missing fields (<code>true</code>) or not (<code>false</code>).	Required	51.0
mode	RecipeSliceMode	The slice mode. Valid values are: • <code>SELECT</code>	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
		DROP		

Split Node Input

A split node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	SplitParametersInput	The parameters for the node.	Required	49.0

Split Parameters Input

The parameters for a split node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
delimiter	String	The split delimiter.	Required	51.0
sourceField	String	The source field.	Required	51.0
targetFields	RecipeNameLabelInput[]	The list of target fields.	Required	51.0

SQL Filter Node Input

A SQL filter node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	SQLFilterParameters Input	The parameters for the node.	Required	53.0

SQL Filter Parameters Input

The parameters for a SQL filter node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sqlFilter Expression	String	The SQL filter expression.	Required	53.0

SQL Formula Date Only Field Input

The SQL formula date only field for a recipe node.

Properties

Inherits properties from [SQL Formula Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
defaultValue	String	The default value for the date field.	Required	51.0
format	String	The format for the date field.	Required	51.0

SQL Formula Date Time Field Input

The SQL formula date time field for a recipe node.

Properties

Inherits properties from [SQL Formula Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
defaultValue	String	The default value for the date field.	Required	51.0
format	String	The format for the date field.	Required	51.0

SQL Formula Field Input

The base SQL formula field for a recipe node.

Properties

Inherited by [SQL Formula Date Only Field Input](#), [SQL Formula Date Time Field Input](#), [SQL Formula Multivalue Field Input](#), [SQL Formula Numeric Field Input](#), and [SQL Formula Text Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
formula Expression	String	The formula expression	Required	51.0
label	String	The formula label.	Required	51.0
name	String	The formula name.	Required	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number • Text	Required	51.0

SQL Formula Parameters Input

The SQL formula parameters for a formula.

Properties

Inherits properties from [Formula Parameters Input](#).

Property Name	Type	Description	Required or Optional	Available Version
fields	SqlFormulaField Input[]	The list of formula fields. Valid values are: • SQL Formula Date Only Field Input	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
		• SQL Formula Date Time Field Input • SQL Formula Multivalue Field Input • SQL Formula Numeric Field Input • SQL Formula Text Field Input		

SQL Formula Multivalue Field Input

The SQL formula multivalue field for a recipe node.

Properties

Inherits properties from [SQL Formula Field Input](#).

SQL Formula Numeric Field Input

The SQL formula numeric field for a recipe node.

Properties

Inherits properties from [SQL Formula Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
defaultValue	String	The default value for the numeric field.	Optional	51.0
precision	Integer	The precision of the numeric field.	Required	51.0
scale	Integer	The scale of the numeric field.	Required	51.0

SQL Formula Text Field Input

The SQL formula text field for a recipe node.

Properties

Inherits properties from [SQL Formula Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
defaultValue	String	The default value for the text field.	Optional	51.0

Property Name	Type	Description	Required or Optional	Available Version
precision	Integer	The precision of the text field.	Required	51.0

Target Field Input

A target field for a recipe bucket.

Properties

Property Name	Type	Description	Required or Optional	Available Version
label	String	The label for the field.	Required	64.0
name	String	The name for the field.	Required	64.0
type	RecipeDataType	The data type. Valid recipe data types are: - DateOnly - DateTime - Multivalue - Number - Text	Required	64.0

Time Series Input Confidence Interval High Low

A confidence interval for a time series recipe node.

Properties

Property Name	Type	Description	Required or Optional	Available Version
high	RecipeNameLabel Input	The high confidence interval.	Required	52.0
low	RecipeNameLabel Input	The low confidence interval.	Required	52.0

Time Series Node Input

A time series node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	TimeSeriesParametersInput	The parameters for the node.	Required	52.0

Time Series Parameters Input

The parameters for a time series node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
confidenceInterval	RecipeTimeSeriesConfidenceIntervalType	The confidence interval. Valid values are: - Eighty - NinetyFive - None	Required	51.0
confidenceIntervalFields	Map<String, TimeSeriesInputConfidenceIntervalHighLow >	The confidence interval field name and labels.	Required	52.0
dayField	String	The day field.	Required	51.0
forecastFields	String[]	The list of forecast fields.	Required	51.0
forecastLength	Integer	The forecast length.	Required	51.0
groupDatesBy	RecipeGroupDatesBy	The value to group dates by. Valid values are: - Year - YearMonth - YearMonthDay - YearQuarter - YearWeek	Required	51.0
ignoreLastTimePeriod	Boolean	Indicates whether to ignore the last time period (<code>true</code>) or not (<code>false</code>).	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
model	RecipeTimeSeries Model	The time series model. Valid values are: - Additive - Auto - Multiplicative	Required	51.0
seasonality	Integer	The seasonality.	Required	51.0
subYearField	String	The sub year field.	Required	51.0
targetDateField	RecipeNameLabel Input	The target date field.	Required	51.0
targetForecastFields	RecipeNameLabel Input[]	The list of target forecast fields.	Required	51.0
yearField	String	The year field.	Required	51.0

Time Series V2 Algorithm Input

The algorithm for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
model	RecipeTimeSeries Model	The time series model. Valid values are: - Additive - Auto - Multiplicative	Required	54.0
seasonality	Integer	The seasonality value.	Required	54.0

Time Series V2 Forecast Info Input

The forecast info for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
aggregate	AggregateInput	The aggregate data.	Required	54.0
confidenceIntervalFields	TimeSeriesOutputConfidenceIntervalHighLow	The confidence interval field name and labels.	Required	54.0
forecastField	RecipeNameLabelInput	The aggregate data.	Small, v54.0	54.0

Time Series V2 Node Input

A time series version 2 node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	TimeSeriesV2ParametersInput	The parameters for the node.	Required	54.0

Time Series V2 Parameters Input

The parameters for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
algorithm	TimeSeriesV2ForecastAlgorithmEnum	The forecast algorithm. Valid values are: HoltWinters	Required	54.0
algorithmParameters	TimeSeriesV2AlgorithmInput	The parameters for the algorithm.	Required	54.0
confidenceInterval	RecipeTimeSeriesConfidenceIntervalType	The confidence interval. Valid values are: Eighty	Required	54.0

Property Name	Type	Description	Required or Optional	Available Version
		- NinetyFive - None		
forecastDate Field	String	The forecast date field.	Required	54.0
forecastDates By	RecipeGroupDatesBy	The value to group dates by. Valid values are: - FiscalYear - FiscalYearMonth - FiscalYearQuarter - FiscalYearWeek - YearMonth - YearMonthDay - YearQuarter - YearWeek	Required	54.0
forecast Fields	TimeSeriesV2ForecastInfoInput[]	The list of forecast fields.	Required	54.0
forecast Length	Integer	The forecast length.	Required	54.0
forecast LengthType	TimeSeriesV2ForecastLengthType Enum	The forecast length type. Valid values are: Rolling	Required	54.0
grouping Fields	ExtractGrainParameterInput[]	The list of grouping fields.	Required	54.0
partialData Handling	TimeSeriesV2PartialDataHandlingEnum	The partial data handling value. Valid values are: - IgnoreLast - None	Required	54.0
targetDate Field	RecipeNameLabelInput	The target date field.	Required	54.0

Typecast Node Input

A typecast node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	TypecastParametersInput	The parameters for the node.	Required	51.0

Typecast Parameters Input

The parameters for a typecast node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fields	SchemaFieldParametersInput[]	The list of fields to typecast.	Required	51.0

Typographic Cluster Input

The configuration for a typographic cluster algorithm.

Properties

Inherits properties from [AbstractBucketAlgorithmmtInput](#).

Property Name	Type	Description	Required or Optional	Available Version
distance Threshold	Integer	The edit distance	Required	52.0
ignoreCase	Boolean	Indicates whether to ignore case (<code>true</code>) or not (<code>false</code>).	Required	52.0

Update Node Input

An update node in a recipe.

Properties

Inherits properties from [Recipe Node Input](#).

Property Name	Type	Description	Required or Optional	Available Version
parameters	UpdateParameters Input	The parameters for the node.	Required	51.0

Update Parameters Input

The parameters for an update node in a recipe.

Properties

Property Name	Type	Description	Required or Optional	Available Version
leftKeys	String[]	The list of left keys.	Required	54.0
rightKeys	String[]	The right of left keys.	Required	54.0
updateColumns	Map<String,String>	The map of columns to update.	Required	54.0

RECIPE REST API RESPONSE BODIES

The successful execution of a request to a Recipe REST API resource can return a response body in either JSON or XML format.

A request to a Recipe REST API resource always returns an HTTP response code, whether the request was successful or not.

[Abstract Bucket Algorithm](#)

The base bucket algorithm for a recipe.

[Aggregate](#)

The aggregate data for a recipe node.

[Aggregate Node](#)

An aggregate data node in a recipe.

[Aggregate Parameters](#)

The parameters for an aggregate data node in a recipe.

[Append Mapping](#)

A field mapping for an append node in a recipe.

[Append Node](#)

An append node in a recipe.

[Append Parameters](#)

The parameters for an append node in a recipe.

[AppendV2 Node](#)

A version 2 append node in a recipe.

[Bucket Date Argument](#)

A date bucket argument for a recipe.

[Bucket Date Bucket](#)

A date bucket field for a recipe.

[Bucket Dimension Bucket](#)

A dimension bucket field for a recipe.

[Bucket Field](#)

A field for a bucket node in a recipe.

[Bucket Measure Bucket](#)

A date bucket field for a recipe.

[Bucket Node](#)

A bucket node in a recipe.

[Bucket Parameters](#)

The parameters for a bucket node in a recipe.

[Bucket Setup](#)

The setup for a bucket node field in a recipe.

Recipe REST API Response Bodies

[Bucket Source Field](#)

The source field for a bucket node in a recipe.

[Bucket V2](#)

A version 2 bucket in a recipe.

[Bucket Term](#)

A bucket term in a recipe node.

[Bucket V2 Node](#)

A version 2 bucket node in a recipe, with improved functionality.

[Bucket V2 Parameters](#)

A parameters for a version 2 bucket node in a recipe.

[Bucket](#)

The base bucket for a recipe.

[Cluster Node](#)

A cluster node in a recipe.

[Cluster Parameters](#)

The parameters for a cluster node in a recipe.

[Compute Relative Node](#)

A compute relative node in a recipe.

[Compute Relative Parameters](#)

The parameters for a compute relative node in a recipe.

[Compute Relative Sort Parameters](#)

The sort direction parameters for a compute relative node in a recipe.

[Data Object Category](#)

The data object category for an Output Data Cloud node.

[Detect Sentiment Node](#)

A detect sentiment node in a recipe.

[Detect Sentiment Parameters](#)

The parameters for a detect sentiment node in a recipe.

[Discovery Contributor](#)

The discovery information for an Einstein Discovery prediction field.

[Discovery Node](#)

An Einstein Discovery predict node in a recipe.

[Discovery Parameters](#)

The parameters for an Einstein Discovery predict node in a recipe.

[Discovery Source](#)

The discovery information for an Einstein Discovery source field.

[Export Limits](#)

The limits for an export node in a recipe.

[Export Node](#)

An export node in a recipe.

Recipe REST API Response Bodies

[Export Parameters](#)

The parameters for an export node in a recipe.

[Extension Node](#)

An extension node in a recipe.

[Extension Parameters](#)

The parameters for an extension node in a recipe.

[Extract Field](#)

An extract grain field.

[Extract Node](#)

An extract grain node in a recipe.

[Extract Parameter](#)

A parameter for an extract grain field.

[Extract Parameters](#)

The parameters for an extract grain node in a recipe.

[Filter Expression](#)

A regex expression for a filter.

[Filter Node](#)

A filter node in a recipe.

[Filter Parameters](#)

The parameters for a filter node in a recipe.

[Flatten Field](#)

A field for a flatten node in a recipe.

[Flatten Node](#)

A flatten node in a recipe.

[Flatten Parameters](#)

The parameters for a flatten node in a recipe.

[Format Date Node](#)

A date format conversion node in a recipe.

[Format Date Parameters](#)

The parameters for a date format conversion node in a recipe.

[Format Date Pattern](#)

The pattern for a date format conversion.

[Formula Node](#)

A formula node in a recipe.

[Formula Parameters](#)

The parameters for a formula node in a recipe.

[Join Node](#)

A join node in a recipe.

[Join Parameters](#)

The parameters for a join node in a recipe.

Recipe REST API Response Bodies

[Load Analytics Dataset](#)

A CRM Analytics dataset for a load node in a recipe.

[Load Connected Dataset](#)

A connected dataset for a load node in a recipe.

[Load Data Lake Object](#)

A data lake object for a load node in a recipe.

[Load Data Model Object](#)

A data model object for a load node in a recipe.

[Load Dataset](#)

The base dataset for a load node in a recipe.

[Load Node](#)

A load node in a recipe.

[Load Parameters](#)

The parameters for a load node in a recipe.

[Legacy Formula Field](#)

A legacy formula field for a formula.

[Legacy Formula Parameters](#)

The legacy formula parameters for a formula.

[Measure To Currency](#)

The conversion information for currency measure field.

[Optimized Append Node](#)

An optimized append node in a recipe.

[Optimized Append Parameters](#)

The parameters for an optimized append node in a recipe.

[Optimized Update Node](#)

An optimized update node in a recipe.

[Optimized Update Parameters](#)

The parameters for an optimized update node in a recipe.

[Output D360 Fields Mapping](#)

The fields mapping for an output D360 node in a recipe.

[Output D360 Node](#)

An output D360 node in a recipe.

[Output D360 Parameters](#)

The parameters for an output D360 node in a recipe.

[Output Data Cloud Fields Mapping](#)

The fields mapping for an output Data Cloud node in a recipe.

[Output Data Cloud Node](#)

An output node in a recipe to write to Data Cloud.

[Output Data Cloud Parameters](#)

The parameters for an output Data Cloud node in a recipe.

Recipe REST API Response Bodies

[Output External Field Mapping](#)

A field mapping for an output external node in a recipe.

[Output External Node](#)

An output external node in a recipe.

[Output External Parameters](#)

The parameters for an output external node in a recipe.

[Pivot](#)

A pivot for an aggregate data node in a recipe.

[PivotV2](#)

A version 2 pivot for an aggregate data node in a recipe.

[Predict Values Field](#)

A field for a predict values node in a recipe.

[Predict Values Input Field](#)

An input field for a predict values node in a recipe.

[Predict Values Node](#)

A predict missing values node in a recipe.

[Predict Values Parameters](#)

The parameters for a predict values node in a recipe.

[Predict Values Setup](#)

The setup for a predict values node field.

[Recipe Collection](#)

A collection of data prep recipes.

[Recipe Configuration Collection](#)

A collection of data prep recipe configurations.

[Recipe Configuration Fiscal](#)

The data prep recipe fiscal configuration data.

[Recipe Configuration Fiscal Offset](#)

The data prep recipe fiscal offset configuration data.

[Recipe Configuration](#)

The data prep recipe configuration data.

[Recipe Conversion Detail](#)

The details for the upconversion of a data prep recipe.

[Recipe Definition](#)

The definition for a data prep recipe. Available on for R3 recipes.

[Recipe Name Label](#)

The name and label for a field in a recipe node.

[Recipe Node](#)

The base node for a recipe.

[Recipe Notification](#)

A notification for a data prep recipe.

Recipe REST API Response Bodies

[Recipe Validation Detail](#)

The validation details for a data prep recipe.

[Recipe](#)

A data prep recipe.

[Recommendation Node](#)

A recommendation node in a recipe.

[Recommendation Parameters](#)

The parameters for a recommendation node in a recipe.

[Sample Parameters](#)

The sample parameters for loading data.

[Save Dataset](#)

The dataset for a save node in a recipe.

[Save Node](#)

A save data node in a recipe.

[Save Parameters](#)

The parameters for a save node in a recipe.

[Schema Field Format Symbols](#)

The field format symbols for a schema node in a recipe.

[Schema Field](#)

The field for a schema node in a recipe.

[Schema Field New Properties](#)

The new field properties for a schema node in a recipe.

[Schema Field Type Properties](#)

The field type properties for a schema node in a recipe.

[Schema Node](#)

A schema node in a recipe.

[Schema Parameters](#)

The parameters for a schema node in a recipe.

[Schema Slice](#)

The slice definition for a schema node in a recipe.

[Split Node](#)

A split node in a recipe.

[Split Parameters](#)

The parameters for a split node in a recipe.

[SQL Filter Node](#)

A SQL filter node in a recipe.

[SQL Filter Parameters](#)

The parameters for a SQL filter node in a recipe.

[SQL Formula Date Field](#)

The SQL formula date field for a recipe node.

Recipe REST API Response Bodies

[SQL Formula Field](#)

The base SQL formula field for a recipe node.

[SQL Formula Parameters](#)

The SQL formula parameters for a formula.

[SQL Formula Multivalue Field](#)

The SQL formula multivalue field for a recipe node.

[SQL Formula Numeric Field](#)

The SQL formula numeric field for a recipe node.

[SQL Formula Text Field](#)

The SQL formula text field for a recipe node.

[Streaming Parameters](#)

The streaming parameters for data output.

[Target Field](#)

A target field for a recipe bucket.

[Time Series Node](#)

A time series node in a recipe.

[Time Series Output Confidence Interval High Low](#)

A confidence interval for a time series recipe node.

[Time Series Parameters](#)

The parameters for a time series node in a recipe.

[Time Series V2 Algorithm Parameters](#)

The algorithm parameters for a time series version 2 node in a recipe.

[Time Series V2 Forecast Info](#)

The forecast information for a time series version 2 node in a recipe.

[Time Series V2 Node](#)

A time series version 2 node in a recipe.

[Time Series V2 Parameters](#)

The parameters for a time series version 2 node in a recipe.

[Typecast Node](#)

A typecast node in a recipe.

[Typecast Parameters](#)

The parameters for a typecast node in a recipe.

[Typographic Cluster](#)

The configuration for a typographic cluster algorithm.

[Update Node](#)

An update node in a recipe.

[Update Parameters](#)

The parameters for an update node in a recipe.

Abstract Bucket Algorithm

The base bucket algorithm for a recipe.

Properties

Inherited by [Typographic Cluster](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	RecipeBucket AlgorithmType	The algorithm type of the recipe bucket field. Valid values are: • <code>TypographicClustering</code>	Small, 52.0	52.0

Aggregate

The aggregate data for a recipe node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
action	RecipeAggregate Type	The recipe aggregation type. Valid values are: • <code>Avg</code> • <code>Count</code> • <code>Maximum</code> • <code>Median</code> • <code>Minimum</code> • <code>StdDev</code> • <code>StdDevP</code> • <code>Sum</code> • <code>Unique</code> • <code>Var</code> • <code>VarP</code>	Small, v51.0	51.0
label	String	The label for the aggregate data.	Small, v51.0	51.0
name	String	The name for the aggregate data.	Small, v51.0	51.0
source	String	The source for the aggregate data.	Small, v51.0	51.0

Aggregate Node

An aggregate data node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	Aggregate Parameters	The parameters for the node.	Small, v51.0	51.0

Aggregate Parameters

The parameters for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
aggregations	Aggregate []	The list of aggregations for the node.	Small, v51.0	51.0
groupings	String[]	The list of groupings for the node.	Small, v51.0	51.0
nodeType	RecipeAggregate NodeEnum	The aggregate type for the node. Valid values are: • Hierarchical • Standard	Small, v53.0	53.0
parentField	String	The parent field for the node	Small, v53.0	53.0
percentageField	String	The percentage field for the node	Small, v53.0	53.0
pivot_v2	PivotV2 []	The pivot v2 data for the node.	Small, v54.0	54.0
pivots	Pivot []	The list of pivots for the node.	Small, v51.0	51.0
selfField	String	The self field for the node	Small, v53.0	53.0

Append Mapping

A field mapping for an append node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
bottom	String	The bottom dataset field.	Small, v51.0	51.0
top	String	The top dataset field.	Small, v51.0	51.0

Append Node

An append node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	AppendParameters	The parameters for the node.	Small, v51.0	51.0

Append Parameters

The parameters for an append node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
allowImplicit Disjoint Schema	Boolean	Indicates whether disjoint schema merge is allowed when automatically mapping fields (<code>true</code>) or not (<code>false</code>).	Small, v55.0	55.0
fieldMappings	AppendMapping []	The list of mappings for the node.	Small, v51.0	51.0

AppendV2 Node

A version 2 append node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	AppendParameters	The parameters for the node.	Small, v51.0	51.0

Bucket Date Argument

A date bucket argument for a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
argument	Long	The date argument.	Small, 49.0	49.0
type	RecipeBucketGrain	The recipe bucket date grain type. Valid values are: • <code>AbsoluteDate</code> • <code>Days</code> • <code>FiscalQuarters</code> • <code>FiscalYears</code> • <code>Months</code> • <code>Quarters</code> • <code>Weeks</code> • <code>Years</code>	Small, 49.0	49.0

Bucket Date Bucket

A date bucket field for a recipe.

Properties

Inherits properties from [Bucket](#).

Property Name	Type	Description	Filter Group and Version	Available Version
rangeEnd	BucketDateArgument	The date range end.	Small, 49.0	49.0
rangeStart	BucketDateArgument	The date range start.	Small, 49.0	49.0

Bucket Dimension Bucket

A dimension bucket field for a recipe.

Properties

Inherits properties from [Bucket](#).

Property Name	Type	Description	Filter Group and Version	Available Version
sourceValues	String[]	The list of source values	Small, 49.0	49.0

Bucket Field

A field for a bucket node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
bucketsSetup	BucketSetup	The bucket field property label.	Small, v49.0	49.0
label	String	The bucket field property label.	Small, v49.0	49.0
name	String	The bucket field property name.	Small, v49.0	49.0
type	RecipeDataType	The recipe data type. Valid values are: - DateOnly - DateTime - Multivalue - Number - Text	Small, v49.0	49.0

Bucket Measure Bucket

A date bucket field for a recipe.

Properties

Inherits properties from [Bucket](#).

Property Name	Type	Description	Filter Group and Version	Available Version
rangeEnd	Double	The range end.	Small, 49.0	49.0
rangeStart	Double	The range start.	Small, 49.0	49.0

Bucket Node

A bucket node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	BucketParameters	The parameters for the node.	Small, v49.0	49.0

Bucket Parameters

The parameters for a bucket node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	BucketField[]	The list of fields for the node.	Small, v49.0	49.0

Bucket Setup

The setup for a bucket node field in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
algorithm	AbstractBucket Algorithm	The bucketing algorithm. Valid values are: TypographicCluster	Small, v52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
buckets	Bucket	The buckets. Valid values are: BucketDateBucket BucketDimensionBucket BucketMeasureBucket	Small, v51.0	51.0
defaultBucket Value	String	The default bucket value.	Small, v51.0	51.0
isPassThrough Enabled	Boolean	Indicates whether pass through is enabled (true) or not (false).	Small, v51.0	51.0
nullBucket Value	String	The null bucket value	Small, v51.0	51.0
sourceField	BucketSourceField	The bucket source fields.	Small, v51.0	51.0

Bucket Source Field

The source field for a bucket node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The bucket source field name.	Small, 49.0	49.0
type	RecipeDataType	The recipe data type. Valid values are: - DateOnly - DateTime - Multivalued - Number - Text	Small, v49.0	49.0

Bucket V2

A version 2 bucket in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>booleanLogic</code>	String	A boolean expression for the bucket.	Small 64.0	64.0
<code>terms</code>	BucketTerm on page 103[]	The list of terms for the bucket.	Small 64.0	64.0
<code>value</code>	String	The value for the bucket.	Small 64.0	64.0

Bucket Term

A bucket term in a recipe node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>opType</code>	RecipeDataType	The recipe node data type. Valid recipe data types are: • <code>DateOnly</code> • <code>DateTime</code> • <code>Multivalue</code> • <code>Number</code> • <code>Text</code>	Small, 64.0	64.0
<code>operands</code>	Map<Object, Object>	A map of operands for the bucket term.	Small, 64.0	64.0
<code>operator</code>	String	The operator for the bucket term.	Small, 64.0	64.0

Bucket V2 Node

A version 2 bucket node in a recipe, with improved functionality.

Properties

Inherits properties from [Recipe Node](#) on page 135.

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	BucketV2Parameters on page 104	The parameters for the V2 bucket node.	Small, 64.0	64.0

Bucket V2 Parameters

A parameters for a version 2 bucket node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
algorithm	AbstractBucket Algorithm on page 96[]	The bucket algorithm. Valid bucket algorithms are: TypographicCluster on page 155	Small, 64.0	64.0
buckets	BucketV2 on page 102[]	A list of the buckets for the node.	Small, 64.0	64.0
defaultBucket	Object	A default bucket for the node.	Small, 64.0	64.0
multiValue Result	boolean	Indicates whether the bucket result is multi-value (<code>true</code>) or not (<code>false</code>).	Small, 64.0	64.0
nullBucket	Object	A null bucket for the node.	Small, 64.0	64.0
passthrough Enabled	boolean	Indicates whether pass through is enabled for the bucket (<code>true</code>) or not (<code>false</code>).	Small, 64.0	64.0
sourceField	String	The source field for the bucket.	Small, 64.0	64.0
targetField	TargetField on page 149	The target field for the bucket.	Small, 64.0	64.0

Bucket

The base bucket for a recipe.

Properties

Inherited by [Bucket Date Bucket](#), [Bucket Dimension Bucket](#), and [Bucket Measure Bucket](#).

Property Name	Type	Description	Filter Group and Version	Available Version
value	String	The bucket value.	Small, 49.0	49.0

Cluster Node

A cluster node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	ClusterParameters	The parameters for the node.	Small, 49.0	49.0

Cluster Parameters

The parameters for a cluster node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
clusterCount	Integer	The cluster count.	Small, v49.0	49.0
findOptimal Clusters	Boolean	Indicates whether to find the optimal clusters (<code>true</code>) or (<code>not</code>).	Small, v53.0	53.0
produceScaled Columns	Boolean	Indicates whether to produce scaled columns (<code>true</code>) or (<code>not</code>).	Small, v53.0	53.0
scaling	MeasureScalingType Enum	The scaling type. Valid values are: • <code>MinMaxScaling</code>	Small, v53.0	53.0
sourceFields	String[]	The source fields.	Small, v51.0	51.0
targetField	RecipeNameLabel	The target field.	Small, v51.0	51.0
targetScaled Fields	RecipeNameLabel []	A list of target scaled fields.	Small, v53.0	53.0

Compute Relative Node

A compute relative node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	ComputeRelativeParameters	The parameters for the node.	Small, 49.0	49.0

Compute Relative Parameters

The parameters for a compute relative node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
expression Type	RecipeFormulaExpressionType	The formula expression type. Valid values are: - Legacy - Sql	Small, v51.0	51.0
fields	SqlFormulaField[]	The list of formula fields. Valid values are: SQL Formula Date Field SQL Formula Multivalue Field SQL Formula Numeric Field SQL Formula Text Field	Small, v51.0	51.0
orderBy	ComputeRelativeSortParameters[]	The list of sort fields.	Small, v51.0	51.0
partitionBy	String[]	The list of partition by values.	Small, v51.0	51.0

Compute Relative Sort Parameters

The sort direction parameters for a compute relative node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
direction	RecipeSortOrder Enum	The sort direction. Valid values are: - Ascending - Descending	Small, v51.0	51.0
fieldName	String	The field name.	Small, v51.0	51.0

Data Object Category

The data object category for an Output Data Cloud node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
categoryName	String	The name of the data category.	Small, 60.0	60.0
label	String	The label of the data category.	Small, 60.0	60.0

Detect Sentiment Node

A detect sentiment node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	DetectSentiment Parameters	The parameters for the node.	Small, 49.0	49.0

Detect Sentiment Parameters

The parameters for a detect sentiment node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
outputType	DetectSentiment OutputTypeEnum	The output type. Valid values are: - Dimension - Measure	Small, v54.0	54.0
sentiment Score	SentimentScoreType Enum	The sentiment score type. Valid values are: - All - None	Small, v54.0	54.0
sourceField	String	The source field.	Small, v51.0	51.0
targetField	RecipeNameLabel	The target field.	Small, v51.0	51.0
target Sentiment ScoreFields	Map<String, Map<String, Recipe NameLabel >>	The collection of target confidence fields.	Small, v54.0	54.0

Discovery Contributor

The discovery information for an Einstein Discovery prediction field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
field	RecipeNameLabel	The discovery field.	Small, v51.0	51.0
impact	RecipeNameLabel	The discovery impact.	Small, v51.0	51.0

Discovery Node

An Einstein Discovery predict node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	DiscoveryParameters	The parameters for the node.	Small, 49.0	49.0

Discovery Parameters

The parameters for an Einstein Discovery predict node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
columnMapping	Map<String,String>	The map of column mappings.	Small, v51.0	51.0
multiClass Fields	Discovery Contributor[]	The list of multiclass fields.	Small, v56.0	56.0
predictSource	DiscoverySource	The prediction source.	Small, v51.0	51.0
prediction FactorFields	Discovery Contributor[]	The list of prediction factor fields.	Small, v51.0	51.0
prediction Field	RecipeNameLabel	The prediction field.	Small, v51.0	51.0
prescription Fields	Discovery Contributor[]	The list of prescription fields.	Small, v51.0	51.0

Discovery Source

The discovery information for an Einstein Discovery source field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name of the source.	Small, v51.0	51.0
type	String	The type of source.	Small, v51.0	51.0

Export Limits

The limits for an export node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
maxFileSizeInBytes	Integer	The maximum file size for the export partition.	Small, v51.0	51.0
maxRowCount	Integer	The maximum row count for the export partition.	Small, v51.0	51.0

Export Node

An export node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	ExportParameters	The parameters for the node.	Small, 49.0	49.0

Export Parameters

The parameters for an export node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
csvHeaderRowValueType	RecipeExportCsvHeaderRowValueType	The type of the recipe export CSV header row value. Valid values are: - FullyQualifiedName - Label	Small, v53.0	53.0
fields	String[]	The list of fields to select.	Small, v51.0	51.0
format	RecipeExportFormat	The format of the export. Valid values are: CSV.	Small, v51.0	51.0
limitsPerPart	ExportLimits	The limits to export.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
userId	String	The user ID with access to the exported data.	Small, v51.0	51.0

Extension Node

An extension node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	ExtensionParameters	The parameters for the node.	Small, 49.0	49.0

Extension Parameters

The parameters for an extension node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
args	Map<Object, Object>	A map of extension arguments, defined by the extension definition	Small, v56.0	56.0
name	String	The name of the extension.	Small, v56.0	56.0
namespace	String	The namespace of the extension.	Small, v56.0	56.0
version	Double	The version of the extension.	Small, v56.0	56.0

Extract Field

An extract grain field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
grainType	RecipeDateGrain	The extract grain type. Valid values are: • Day • DayEpoch • FiscalMonth • FiscalQuarter • FiscalWeek • FiscalYear • Hour • Minute • Month • Quarter • Second • SecondEpoch • Week • Year	Small, v51.0	51.0
label	String	The extract field label.	Small, v51.0	51.0
name	String	The extract field name.	Small, v51.0	51.0

Extract Node

An extract grain node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	ExtractParameters	The parameters for the node.	Small, 49.0	49.0

Extract Parameter

A parameter for an extract grain field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
source	String	The source field.	Small, v51.0	51.0
targets	ExtractField[]	The list of grain fields.	Small, v51.0	51.0

Extract Parameters

The parameters for an extract grain node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
date Configuration Name	String	The date configuration name.	Small, v55.0	55.0
grain Extractions	ExtractParameter[]	The date fields to extract grains for.	Small, v51.0	51.0

Filter Expression

A regex expression for a filter.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The field to filter on.	Small, v51.0	51.0
operands	Object[]	The list of operands.	Small, v51.0	51.0
operator	String	The operator to use for the filter.	Small, v51.0	51.0
type	RecipeDataType	The recipe data type. Valid values are: • <code>DateOnly</code> • <code>DateTime</code> • <code>Multivalue</code> • <code>Number</code>	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		Text		

Filter Node

A filter node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	FilterParameters	The parameters for the node.	Small, 49.0	49.0

Filter Parameters

The parameters for a filter node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
filterBoolean Logic	String	The filter boolean logic.	Small, v52.0	52.0
filter Expressions	FilterExpression[]	The list of filter expressions.	Small, v51.0	51.0

Flatten Field

A field for a flatten node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
isSystemField	Boolean	Indicates whether the field is a system field (<code>true</code>) or not (<code>false</code>).	Small, v51.0	51.0
label	String	The field label.	Small, v51.0	51.0
name	String	The field name.	Small, v51.0	51.0

Flatten Node

A flatten node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	FlattenParameters	The parameters for the node.	Small, 49.0	49.0

Flatten Parameters

The parameters for a flatten node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
includeSelfId	Boolean	Indicates whether to include the self-ID (<code>true</code>) or not (<code>false</code>).	Small, v51.0	51.0
multiField	FlattenField	The multi field.	Small, v51.0	51.0
parentField	String	The parent field.	Small, v51.0	51.0
pathField	FlattenField	The path field.	Small, v51.0	51.0
selfField	String	The self-field.	Small, v51.0	51.0

Format Date Node

A date format conversion node in a recipe.

Inherits properties from [Recipe Node](#).

Properties

xz

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	FormatDateParameters	The parameters for the node.	Small, 49.0	49.0

Format Date Parameters

The parameters for a date format conversion node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
sourceField	String	The source field.	Small, v51.0	51.0
sourceFormats	FormatDatePattern []	The list of source date formats.	Small, v51.0	51.0
targetField	RecipeNameLabel	The target field.	Small, v51.0	51.0
targetFormat	FormatDatePattern	The target date format.	Small, v51.0	51.0

Format Date Pattern

The pattern for a date format conversion.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
construction	String[]	A list of values for the construction of the date format.	Small, v51.0	51.0
groups	String[]	The list of date format groups.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
regex	String	The regular expression for the date format.	Small, v51.0	51.0

Formula Node

A formula node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	FormulaParameters	The parameters for the node.	Small, 49.0	49.0

Formula Parameters

The parameters for a formula node in a recipe.

Properties

Inherited by [LegacyFormulaParameters](#) and [SqlFormulaParameters](#).

Property Name	Type	Description	Filter Group and Version	Available Version
expression Type	RecipeFormula ExpressionType	The forumla expression type. Valid values are: - Legacy - Sql	Small, v51.0	51.0

Join Node

A join node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	JoinParameters	The parameters for the node.	Small, 49.0	49.0

Join Parameters

The parameters for a join node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
joinType	RecipeJoinType	The join type. Valid values are: • Cross • Inner • LeftOuter • Lookup • MultiValueLookup • Outer • RightOuter	Small, v51.0	51.0
leftKeys	String[]	The list of left keys.	Small, v51.0	51.0
leftQualifier	String	The left qualifier.	Small, v51.0	51.0
rightKeys	String[]	The list of right keys.	Small, v51.0	51.0
rightQualifier	String	The right qualifier.	Small, v51.0	51.0

Load Analytics Dataset

A CRM Analytics dataset for a load node in a recipe.

Properties

Inherits properties from [Load Dataset](#).

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The dataset name.	Small, v51.0	51.0

Load Connected Dataset

A connected dataset for a load node in a recipe.

Properties

Inherits properties from [Load Dataset](#).

Property Name	Type	Description	Filter Group and Version	Available Version
connection Name	String	The name of the connection.	Small, v51.0	51.0
filter	FilterParameters	The pushdown filter.	Small, v52.0	52.0
sourceObject Name	String	The name of the source object.	Small, v51.0	51.0

Load Data Lake Object

A data lake object for a load node in a recipe.

Properties

Inherits properties from [Load Dataset](#).

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The data lake object name.	Small, v56.0	56.0

Load Data Model Object

A data model object for a load node in a recipe.

Properties

Inherits properties from [Load Dataset](#).

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The data model object name.	Small, 57.0	57.0

Load Dataset

The base dataset for a load node in a recipe.

Properties

Inherited by [Load Analytics Dataset](#), [Load Connected Dataset](#), [Load Data Lake Object](#), and [Load Data Model Object](#).

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The dataset label.	Small, v51.0	51.0
type	RecipeDatasetType	The type of the dataset. Valid values are: - Analytics - Connected - DataLakeObject - DataModelObject	Small, v51.0	51.0

Load Node

A load node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	LoadParameters	The parameters for the node.	Small, 49.0	49.0

Load Parameters

The parameters for a load node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataset	LoadDataset	The dataset to load. Valid values are: Load Analytics Dataset	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Load Connected Dataset • Load Data Lake Object • Load Data Model Object		
fields	String[]	The list of fields to load.	Small, v51.0	51.0
purgeCache	Boolean	Indicates whether to purge the cache (true) or not (false).	Small, v57.0	57.0
runMode	InputRunModeEnum	The input run mode. Valid values are: • Full • Incremental • Streaming	Small, v57.0	57.0
sampleDetails	SampleParameters	The sample parameters for the dataset load.	Small, v55.0	55.0
sampleSize	Integer	The number of rows to load.	Small, v51.0	51.0

Legacy Formula Field

A legacy formula field for a formula.

Properties

Inherits properties from [Formula Parameters](#).

Property Name	Type	Description	Filter Group and Version	Available Version
formula Expression	String	The formula expression.	Small, 51.0	51.0
label	String	The field label.	Small, 51.0	51.0
name	String	The field name.	Small, 51.0	51.0

Legacy Formula Parameters

The legacy formula parameters for a formula.

Properties

Inherits properties from [Formula Parameters](#).

Property Name	Type	Description	Filter Group and Version	Available Version
fields	LegacyFormulaField[]	The list of fields.	Required	51.0

Measure To Currency

The conversion information for currency measure field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
conversionRateDateField	String	The conversion rate date field.	Small, v56.0	56.0
measureField	String	The measure field.	Small, v56.0	56.0

Optimized Append Node

An optimized append node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	OptimizedAppendParameters	The parameters for the node.	Small, 62.0	62.0

Optimized Append Parameters

The parameters for an optimized append node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
allowImplicit Disjoint Schema	Boolean	Indicates whether disjoint schema merge is allowed (<code>true</code>) or not (<code>false</code>).	Small, 62.0	62.0
dataset	LoadAnalytics Dataset	The base dataset to append.	Small, 62.0	62.0
date Configuration Name	String	The name of the date configuration.	Small, 62.0	62.0

Optimized Update Node

An optimized update node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	OptimizedUpdate Parameters	The parameters for the node.	Small, 64.0	64.0

Optimized Update Parameters

The parameters for an optimized update node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
allowImplicit Disjoint Schema	Boolean	Indicates whether disjoint schema merge is allowed (<code>true</code>) or not (<code>false</code>).	Small, 64.0	64.0
dataset	LoadAnalytics Dataset	The base dataset to update.	Small, 64.0	64.0

Property Name	Type	Description	Filter Group and Version	Available Version
date Configuration Name	String	The name of the date configuration.	Small, 64.0	64.0
operation	OperationEnum	The update operation type. Valid operation types are: • Append • Delete • Upsert	Small, 64.0	64.0

Output D360 Fields Mapping

The fields mapping for an output D360 node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
sourceField	String	The name of the source field.	Small, v56.0	56.0
targetField	String	The name of the target field.	Small, v56.0	56.0

Output D360 Node

An output D360 node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	OutputD360 Parameters	The parameters for the node.	Small, 56.0	56.0

Output D360 Parameters

The parameters for an output D360 node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fieldsMapping	OutputD360FieldsMapping[]	The list of field mappings.	Small, v56.0	56.0
name	String	The name of the D360 object.	Small, v56.0	56.0
streaming	StreamingParameters[]	The streaming parameters.	Small, v57.0	57.0
type	RecipeD360OutputType	The output type. Valid values are: • <code>DateLakeObject</code>	Small, v56.0	56.0

Output Data Cloud Fields Mapping

The fields mapping for an output Data Cloud node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataType	RecipeDataType	The data type of the target field. Valid values are: • <code>DateOnly</code> • <code>DateTime</code> • <code>Multivalue</code> • <code>Number</code> • <code>Text</code>	Small, v60.0	60.0
sourceField	String	The name of the source field.	Small, v56.0	56.0
targetField	String	The name of the target field.	Small, v56.0	56.0

Output Data Cloud Node

An output node in a recipe to write to Data Cloud.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	OutputDataCloudParameters	The parameters for the node.	Small, 60.0	60.0

Output Data Cloud Parameters

The parameters for an output Data Cloud node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
category	DataObjectCategory	The data category for the Data Lake object (DLO).	Small, v60.0	60.0
connectorType	ConnectWaveData ConnectorTypeEnum	The connector type. Valid values are: • AmazonAthena • AmazonRedshiftOutput • AmazonS3 • AmazonS3Output • AwsRdsAuroraMySQL • AwsRdsAuroraPostgres • AwsRdsMariaDB • AwsRdsMySQL • AwsRdsPostgres • AwsRdsSqlServer • AzureDataLakeGen2Output • AzureSqlDatabase • AzureSqlDatawarehouse • Databricks (Beta) • GoogleAnalytics • GoogleAnalytics4 • GoogleAnalyticsCoreReporting • GoogleBigQuery • GoogleBigQueryDirect • GoogleBigQueryStandardSQL • GoogleSpanner • HerokuPostgres	Small, v62.0	62.0

Property Name	Type	Description	Filter Group and Version	Available Version
		- HubSpot - MarketoV2 - MulesoftMySQL - MulesoftOracle - MulesoftSqlServer - NetSuite - Oracle Eloqua - Redshift - SalesforceExternal - SalesforceMarketingCloud OAuth2 - SapHanaCloud - SfdcLocal - SnowflakeComputing - SnowflakeDirect - SnowflakeOutput - TableauOnline - TableauHyperOutput - Zendesk		
dataspace	AssetReference	The data space to use in Data Cloud.	Small, v60.0	60.0
fieldsMapping	OutputDataCloudFieldsMapping[]	The list of field mappings.	Small, v60.0	60.0
label	String	The label of the Data Cloud object.	Small, v62.0	62.0
name	String	The name of the Data Cloud object.	Small, v60.0	60.0
primaryKey	String	The name of the primary key field for the Data Cloud object.	Small, v60.0	60.0
type	RecipeDataCloud OutputTypeEnum	The output type. Valid values are: DateLakeObject	Small, v60.0	60.0

Output External Field Mapping

A field mapping for an output external node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
sourceField	String	The name of the source field.	Small, v51.0	51.0
targetField	String	The name of the target field.	Small, v51.0	51.0

Output External Node

An output external node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	OutputExternalParameters	The parameters for the node.	Small, 49.0	49.0

Output External Parameters

The parameters for an output external node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
connectionName	String	The connection name.	Small, v51.0	51.0
externalIdFieldName	String	The field name for the external ID.	Small, v51.0	51.0
fieldsMapping	OutputExternalFieldMapping[]	The list of field mappings.	Small, v51.0	51.0
hyperFileName	String	The name of hyper file.	Small, v54.0	54.0
object	String	The object name.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
operation	RecipeOutput ExternalOperation	The output external operation type. Valid values are: • Empty • Insert • Update • Upsert	Small, v51.0	51.0

Pivot

A pivot for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
source	String	The source for the pivot.	Small, v51.0	51.0
values	String[]	The list of values for the pivot.	Small, v51.0	51.0

PivotV2

A version 2 pivot for an aggregate data node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
pivotFields Info	Map< RecipeName Label , List	The map of the pivot fields information.	Small, v54.0	54.0
sourceFields	String[]	The list of source fields for the pivot.	Small, v54.0	54.0
value Combinations	String[]	The list of value combinations for the pivot.	Small, v54.0	54.0

Predict Values Field

A field for a predict values node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the field.	Small, v51.0	51.0
name	String	The name for the field.	Small, v51.0	51.0
prediction Setup	PredictValuesSetup[]	The setup for the predict field.	Small, v51.0	51.0

Predict Values Input Field

An input field for a predict values node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The field name.	Small, v51.0	51.0

Predict Values Node

A predict missing values node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	PredictValuesParameters	The parameters for the node.	Small, 49.0	49.0

Predict Values Parameters

The parameters for a predict values node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	PredictValuesField[]	The list of fields.	Small, v51.0	51.0

Predict Values Setup

The setup for a predict values node field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
modelInputFields	PredictValuesInputField[]	The list of input fields for the model.	Small, v51.0	51.0
sourceField	PredictValuesInputField	The source field.	Small, v51.0	51.0

Recipe Collection

A collection of data prep recipes.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	String	The URL to retrieve the next page of contents in the collection.	Small, 52.0	52.0
recipes	Recipe[]	A list of recipes.	Small, 38.0	38.0
totalSize	Integer	The total count of the elements in the collection, including all pages.	Medium, 52.0	52.0
url	String	The URL to retrieve the collection.	Small, 52.0	52.0

Recipe Configuration Collection

A collection of data prep recipe configurations.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
configurations	Recipe Configuration []	A list of recipe configurations.	Small, 54.0	54.0

Recipe Configuration Fiscal

The data prep recipe fiscal configuration data.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
firstDayOf Week	Integer	The first day of week, calendar and fiscal.	Small, 55.0	55.0
fiscalType	RecipeConfiguration TypeEnum	The recipe configuration fiscal type. Valid values are: • <code>Offset</code> (Recipe Configuration Fiscal Offset)	Small, 54.0	54.0
isDefault	Boolean	Indicates whether this recipe configuration is the default configuration (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0

Recipe Configuration Fiscal Offset

The data prep recipe fiscal offset configuration data.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
monthOffset	String	The month offset.	Small, 54.0	54.0
yearBasedOn	RecipeConfiguration FiscalOffsetYear BasedOnEnum	The fiscal offset year based on for the recipe configuration. Valid values are: • <code>End</code> • <code>Start</code>	Small, 54.0	54.0

Recipe Configuration

The data prep recipe configuration data.

Properties

Recipe Configuration inherits properties from the abstract [Base Wave Asset](#). These base properties appear alongside Recipe Configuration specific properties in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
configuration Type	RecipeConfiguration TypeEnum	The recipe configuration type. Valid values are: Fiscal (Recipe Configuration Fiscal)	Small, 54.0	54.0

Recipe Conversion Detail

The details for the upconversion of a data prep recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
conversion DetailId	Integer	The conversion detail ID.	Small, 52.0	52.0
message	String	The conversion detail message.	Small, 52.0	52.0
nodeName	String	The name of the node referenced in the conversion detail.	Small, 52.0	52.0
severity	ConnectRecipe ConversionSeverity Enum	The severity of the conversion detail. Valid values are: - UserInfo - Warning	Small, 52.0	52.0

Recipe Definition

The definition for a data prep recipe. Available on for R3 recipes.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The recipe definition name.	Small, 49.0	49.0
nodes	Map<String, Recipe Node >	The map of recipe nodes by name. Valid values are: • Aggregate Node • Append Node • Append V2 Node • Bucket Node • Bucket V2 Node • Cluster Node • Compute Relative Node • Detect Sentiment Node • Discovery Node • Export Node • Extension Node • Extract Node • Filter Node • Flatten Node • Format Date Node • Formula Node • Join Node • Load Node • Optimized Append Node • Optimized Update Node • Output D360 Node • Output Data Cloud Node • Output External Node • Predict Values Node • Recommendation Node • Save Node • Schema Node • Split Node • SQL Filter Node • Time Series Node • Time Series V2 Node • Typecast Node • Update Node	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
runMode	RecipeRunMode	The recipe run mode. Valid values are: - Full - Incremental - Streaming	Small, v57.0	57.0
version	String	The recipe definition version.	Small, 49.0	49.0
ui	Object	The recipe definition UI metadata.	Small, 49.0	49.0

Recipe Name Label

The name and label for a field in a recipe node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label of the field.	Small, v51.0	51.0
name	String	The name of the field.	Small, v51.0	51.0

Recipe Node

The base node for a recipe.

Properties

Inherited by [Aggregate Node](#), [Append Node](#), [Append V2 Node](#), [Bucket Node](#), [Bucket V2 Node](#), [Cluster Node](#), [Compute Relative Node](#), [Detect Sentiment Node](#), [Discovery Node](#), [Export Node](#), [Extension Node](#), [Extract Node](#), [Filter Node](#), [Flatten Node](#), [Format Date Node](#), [Formula Node](#), [Join Node](#), [Load Node](#), [Optimized Append Node](#), [Optimized Update Node](#), [Output D360 Node](#), [Output Data Cloud Node](#), [Output External Node](#), [Predict Values Node](#), [Recommendation Node](#), [Save Node](#), [Schema Node](#), [Split Node](#), [SQL Filter Node](#), [Time Series Node](#), [Time Series V2 Node](#), [Typecast Node](#), and [Update Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
action	RecipeNodeAction	The recipe node action. Valid recipe actions are: - Aggregate - Append - Append_V2	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• Bucket • Bucket V2 • Clustering • ComputeRelative • DateFormatConversion • DetectSentiment • DiscoveryPredict • Export • Extension • Extract • Filter • Flatten • Formula • Join • Load • OptimizedAppendOutput • OptimizedUpdateOutput • OutputD360 • OutputExternal • PredictMissingValues • Recommendation • Save • Schema • Split • SqlFilter • TimeSeries • TimeSeriesV2 • TypeCast • Update • WriteDataCloudObject		
schema	SchemaNode	The schema changes for the node.	Small, v51.0	51.0
sources	String[]	The input node ids.	Small, v51.0	51.0

Recipe Notification

A notification for a data prep recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
longRunningAlertInMins	Integer	The number of minutes that a recipe can run before sending an alert.	Small, 49.0	49.0
notificationLevel	ConnectEmailNotificationLevelEnum	Valid types of email notification levels. Valid values are: • Always • Failures • Never • Warnings	Small, 49.0	49.0
recipe	AssetReference	The recipe this notification belongs to.	Small, 54.0	54.0

Recipe Validation Detail

The validation details for a data prep recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
message	String	The message for the validation detail.	Small, 50.0	50.0
nodeName	String	The name of the node referenced in the validation detail.	Small, 50.0	50.0
nodeType	String	The type of node referenced in the validation detail.	Small, 50.0	50.0
severity	ConnectRecipeValidationSeverityEnum	The severity of the validation detail. Valid values are: • <code>Error</code> - The recipe is non-runnable and can't be saved. • <code>Fatal</code> - The validation process is stopped. The recipe is non-runnable and can't be saved. • <code>Warning</code> - The recipe is non-runnable, but can be saved.	Small, 50.0	50.0
validationAction	String	The validation action.	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
validation Code	Integer	The validation code.	Small, 50.0	50.0

Recipe

A data prep recipe.

Properties

Recipe inherits properties from the abstract [Base Wave Asset](#). These base properties appear alongside Recipe specific properties in the following table.

Property Name	Type	Description	Filter Group and Version	Available Version
conversion Details	RecipeConversion Detail[]	The list of upconversion details when converting the recipe to R3.	Small, 51.0	51.0
dataflowLast Update	Date	The date of the last recipe dataflow update.	Small, 38.0	38.0
dataset	AssetReference	The target dataset.	Small, 38.0	38.0
fileUrl	String	The URL to get the recipe's JSON file content (see /wave/recipes/<recipeld>/file for more information).	Small, 38.0	38.0
format	ConnectRecipe FormatTypeEnum	Specifies the format of the returned recipe. Valid values are: - R2 (Data Prep Classic) - R3 (Data Prep)	Small, 48.0	48.0
historiesUrl	String	The URL for the version histories associated with the recipe.	Small, 51.0	51.0
licenseType	ConnectAnalytics LicenseTypeEnum	The Analytics license type. Valid values are - Cdp (Data Cloud) - DataPipelineQuery (Data Pipeline Query) - EinsteinAnalytics (CRM Analytics) - IntelligentApps (Intelligent Apps) - MulesoftDataPath (Mulesoft Data Works)	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
		• <code>Sonic</code> (Salesforce Data Pipeline)		
<code>nextScheduledDate</code>	Date	The next scheduled run of this recipe.	Small, 47.0	47.0
<code>publishingTarget</code>	ConnectRecipePublishingTargetEnum	The target format or system to publish the recipe to. Valid values are: • <code>Dataset</code> (Publish to Dataset)	Small, 42.0	42.0
<code>recipeDefinition</code>	RecipeDefinition	The recipe definition for the Data Prep recipe only. This property isn't supported for Data Prep Classic recipes.	Small, 49.0	49.0
<code>rowLevelSecurityPredicate</code>	String	The security predicate of the target dataset.	Small, 38.0	38.0
<code>schedule</code>	String	The schedule cron expression for the current dataflow.	Small, 38.0	38.0
<code>scheduleAttributes</code>	Schedule	The schedule for the recipe.	Small, 53.0	53.0
<code>scheduleType</code>	ConnectRecipeScheduleTypeEnum	The schedule type of the recipe. Valid values are: • <code>EventDriven</code> • <code>TimeDriven</code>	Small, 49.0	49.0
<code>sourceDataflow</code>	String	The dataflow used to upconvert or revert the current recipe.	Small, v51.0	51.0
<code>sourceRecipe</code>	String	The recipe used to upconvert or revert the current recipe.	Small, 50.0	50.0
<code>status</code>	ConnectRecipeStatusEnum	The status of the recipe. Valid values are: • <code>Cancelled</code> • <code>Failure</code> • <code>New</code> (Never run or has no recent run) • <code>Queued</code> • <code>Running</code> • <code>Success</code> • <code>Warning</code>	Small, 54.0	54.0
<code>targetDataflowId</code>	String	The target dataflow ID.	Small, 42.0	42.0

Property Name	Type	Description	Filter Group and Version	Available Version
validation Details	RecipeValidation Detail[]	The collection of validation details for a Data Prep recipe. This property isn't supported for Data Prep Classic recipes.	Small, 50.0	50.0

Recommendation Node

A recommendation node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	Recommendation Parameters	The parameters for the node.	Small, 53.0	53.0

Recommendation Parameters

The parameters for a recommendation node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
custIdField	String	The customer ID field.	Small, v53.0	53.0
exclude Previous Recommendations	Boolean	Indicates whether to exclude previous recommendations (<code>true</code>) or not (<code>false</code>).	Small, v53.0	53.0
productId Field	String	The product ID field.	Small, v53.0	53.0
product Recommendations	Integer	The product recommendations field.	Small, v53.0	53.0
ratingField	String	The rating field.	Small, v53.0	53.0
targetField	RecipeNameLabel	The target field.	Small, v53.0	53.0
targetRank Field	RecipeNameLabel	The target rank field.	Small, v53.0	53.0

Property Name	Type	Description	Filter Group and Version	Available Version
targetRatingField	RecipeNameLabel	The target rating field.	Small, v53.0	53.0
useImplicitRatings	Boolean	Indicates whether to use implicit ratings (<code>true</code>) or not (<code>false</code>).	Small, v53.0	53.0

Sample Parameters

The sample parameters for loading data.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
filters	FilterParameters	The sample filters.	Small, v55.0	55.0
sortBy	String[]	A list of fields to sort sample.	Small, v55.0	55.0
sortDirection	RecipeSortOrder Enum	The sample sort direction. Valid values are: - Ascending - Descending	Small, v55.0	55.0
sampleType	SampleType	The recipe sample type. Valid values are: - Custom - Random - TopN - Unique	Small, v55.0	55.0
uniqueSampleFieldName	String	The field name for a unique sample.	Small, v55.0	55.0

Save Dataset

The dataset for a save node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
folderName	String	The analytics folder for the dataset.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
isStaged	Boolean	Indicates whether the data is staged (<code>true</code>) or not (<code>false</code>).	Small, v53.0	53.0
label	String	The label for the dataset.	Small, v51.0	51.0
name	String	The name of the dataset.	Small, v51.0	51.0
rowLevel Security Filter	String	The security predicate.	Small, v51.0	51.0
rowLevel SharingSource	String	The sObject security sharing source.	Small, v51.0	51.0
type	String	The type of the dataset.	Small, v51.0	51.0

Save Node

A save data node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	SaveParameters	The parameters for the node.	Small, 49.0	49.0

Save Parameters

The parameters for a save node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
dataset	SaveDataset	The dataset to save.	Small, v51.0	51.0
date Configuration Name	String	The date configuration name.	Small, v55.0	55.0
fields	String[]	The list of fields to save.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
measuresToCurrencies	MeasureToCurrency[]	A list of the measures to currencies.	Small, v56.0	56.0

Schema Field Format Symbols

The field format symbols for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
currencySymbol	String	The currency symbol format.	Small, v51.0	51.0
decimalSymbol	String	The decimal symbol format.	Small, v51.0	51.0
groupingSymbol	String	The grouping symbol format.	Small, v51.0	51.0

Schema Field

The field for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
errorValue	String	The value to output on error.	Small, v52.0	52.0
name	String	The schema field name.	Small, v49.0	49.0
newProperties	SchemaFieldNewProperties	The new schema field properties.	Small, v49.0	49.0

Schema Field New Properties

The new field properties for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The schema field property label.	Small, v49.0	49.0
name	String	The schema field property name.	Small, v49.0	49.0
type Properties	SchemaFieldType Properties	The new schema field type properties.	Small, v49.0	49.0

Schema Field Type Properties

The field type properties for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
format	String	The DateTime format.	Small, v51.0	51.0
length	Integer	The total length of the text.	Small, v51.0	51.0
precision	Integer	The length of an arbitrary precision value.	Optional	51.0
scale	Integer	The number of digits to the right of the decimal point.	Small, v51.0	51.0
symbols	SchemaFieldFormat Symbols	The number format.	Small, v51.0	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number • Text	Small, v51.0	51.0

Schema Node

A schema node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
fields	SchemaParameters []	The schema fields for the node.	Small, v51.0	51.0

Schema Parameters

The parameters for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	SchemaField []	The schema fields for the node.	Small, v51.0	51.0
slice	SchemaSlice	The schema slice definition for the node.	Small, v51.0	51.0

Schema Slice

The slice definition for a schema node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	String[]	The list of fields for <code>SELECT</code> or <code>DROP</code> .	Small, v51.0	51.0
ignoreMissingFields	Boolean	Indicates whether the node action ignores missing fields (<code>true</code>) or not (<code>false</code>).	Small, v51.0	51.0
mode	String	The slice mode. Valid values are: • <code>SELECT</code> • <code>DROP</code>	Small, v51.0	51.0

Split Node

A split node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	SplitParameters	The parameters for the node.	Small, 49.0	49.0

Split Parameters

The parameters for a split node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
delimiter	String	The split delimiter.	Small, v51.0	51.0
sourceField	String	The source field.	Small, v51.0	51.0
targetFields	RecipeNameLabel[]	The list of target fields.	Small, v51.0	51.0

SQL Filter Node

A SQL filter node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	SQLFilterParameters	The parameters for the node.	Small, 53.0	53.0

SQL Filter Parameters

The parameters for a SQL filter node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
sqlFilter Expression	String	The SQL filter expression.	Small, v53.0	53.0

SQL Formula Date Field

The SQL formula date field for a recipe node.

Properties

Inherits properties from [SQL Formula Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
format	String	The format for the date field.	Small, v51.0	51.0

SQL Formula Field

The base SQL formula field for a recipe node.

Properties

Inherited by [SQL Formula Date Field](#), [SQL Formula Multivalue Field](#), [SQL Formula Numeric Field](#), and [SQL Formula Text Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
defaultValue	String	The default value for the field.	Small, v51.0	51.0
formula Expression	String	The formula expression.	Small, v51.0	51.0
label	String	The formula label.	Small, v51.0	51.0
name	String	The formula name.	Small, v51.0	51.0
type	RecipeDataType	The recipe data type. Valid values are: • DateOnly • DateTime • Multivalue • Number	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		Text		

SQL Formula Parameters

The SQL formula parameters for a formula.

Properties

Inherits properties from [Formula Parameters](#).

Property Name	Type	Description	Filter Group and Version	Available Version
fields	SQLFormulaField[]	The list of fields.	Required	51.0

SQL Formula Multivalue Field

The SQL formula multivalue field for a recipe node.

Properties

Inherits properties from [SQL Formula Field](#).

SQL Formula Numeric Field

The SQL formula numeric field for a recipe node.

Properties

Inherits properties from [SQL Formula Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
precision	Integer	The precision for the numeric field.	Small, v51.0	51.0
scale	Integer	The scale for the numeric field.	Small, v51.0	51.0

SQL Formula Text Field

The SQL formula text field for a recipe node.

Properties

Inherits properties from [SQL Formula Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
precision	Integer	The precision for the text field.	Small, v51.0	51.0

Streaming Parameters

The streaming parameters for data output.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
outputMode	OutputModeEnum	The output mode. Valid values are: - Append - Complete - Update	Small, 57.0	57.0
triggerIntervalSec	Integer	The trigger interval in seconds.	Small, 57.0	57.0
triggerType	TriggerTypeEnum	The trigger type. Valid values are: Fixed	Small, 57.0	57.0

Target Field

A target field for a recipe bucket.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the field.	Small, 64.0	64.0

Property Name	Type	Description	Filter Group and Version	Available Version
name	String	The name for the field.	Small, 64.0	64.0
type	RecipeDataType	The data type. Valid recipe data types are: - DateOnly - DateTime - Multivalue - Number - Text	Small, 64.0	64.0

Time Series Node

A time series node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	TimeSeries Parameters	The parameters for the node.	Small, 52.0	52.0

Time Series Output Confidence Interval High Low

A confidence interval for a time series recipe node.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
high	RecipeNameLabel	The high confidence interval.	Small, v52.0	52.0
low	RecipeNameLabel	The low confidence interval.	Small, v52.0	52.0

Time Series Parameters

The parameters for a time series node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
confidenceInterval	RecipeTimeSeriesConfidenceIntervalType	The confidence interval. Valid values are: - Eighty - NinetyFive - None	Small, v51.0	51.0
confidenceIntervalFields	Map<String, TimeSeriesOutputConfidenceIntervalHighLow >	The confidence interval field name and labels.	Small, v52.0	52.0
dayField	String	The day field.	Small, v51.0	51.0
forecastFields	String[]	The list of forecast fields.	Small, v51.0	51.0
forecastLength	Integer	The forecast length.	Small, v51.0	51.0
groupDatesBy	RecipeGroupDatesBy	The value to group dates by. Valid values are: - Year - YearMonth - YearMonthDay - YearQuarter - YearWeek	Small, v51.0	51.0
ignoreLastTimePeriod	Boolean	Indicates whether to ignore the last time period (<code>true</code>) or not (<code>false</code>).	Small, v51.0	51.0
model	RecipeTimeSeriesModel	The time series model. Valid values are: - Additive - Auto - Multiplicative	Small, v51.0	51.0
seasonality	Integer	The seasonality.	Small, v51.0	51.0
subYearField	String	The sub year field.	Small, v51.0	51.0
targetDateField	RecipeNameLabel	The target date field.	Small, v51.0	51.0
targetForecastFields	RecipeNameLabel []	The list of target forecast fields.	Small, v51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
yearField	String	The year field.	Small, v51.0	51.0

Time Series V2 Algorithm Parameters

The algorithm parameters for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
model	RecipeTimeSeries Model	The time series model. Valid values are: - Additive - Auto - Multiplicative	Small, v54.0	54.0
seasonality	Integer	The seasonality value.	Small, v54.0	54.0

Time Series V2 Forecast Info

The forecast information for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
aggregate	Aggregate	The aggregate data.	Small, v54.0	54.0
confidence Interval Fields	TimeSeriesOutput ConfidenceInterval HighLow	The confidence interval field name and labels.	Small, v54.0	54.0
forecastField	RecipeNameLabel	The aggregate data.	Small, v54.0	54.0

Time Series V2 Node

A time series version 2 node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	TimeSeriesV2 Parameters	The parameters for the node.	Small, 54.0	54.0

Time Series V2 Parameters

The parameters for a time series version 2 node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
algorithm	TimeSeriesV2 ForecastAlgorithm Enum	The forecast algorithm. Valid values are: HoltWinters	Small, v54.0	54.0
algorithm Parameters	TimeSeriesV2 Algorithm Parameters	The parameters for the algorithm.	Small, v54.0	54.0
confidence Interval	RecipeTimeSeries ConfidenceInterval Type	The confidence interval. Valid values are: - Eighty - NinetyFive - None	Small, v54.0	54.0
forecastDate Field	String	The forecast date field.	Small, v54.0	54.0
forecastDates By	RecipeGroupDatesBy	The value to group dates by. Valid values are: - FiscalYear - FiscalYearMonth - FiscalYearQuarter - FiscalYearWeek - YearMonth - YearMonthDay - YearQuarter - YearWeek	Small, v54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
forecast Fields	TimeSeriesV2ForecastInfo[]	The list of forecast fields.	Small, v54.0	54.0
forecast Length	Integer	The forecast length.	Small, v54.0	54.0
forecast LengthType	TimeSeriesV2ForecastLengthTypeEnum	The forecast length type. Valid values are: Rolling	Small, v54.0	54.0
grouping Fields	ExtractParameter[]	The list of partition groupings.	Small, v54.0	54.0
partialData Handling	TimeSeriesV2PartialDataHandlingEnum	The partial data handling value. Valid values are: - IgnoreLast - None	Small, v54.0	54.0
targetDate Field	RecipeNameLabel	The target date field.	Small, v54.0	54.0

Typecast Node

A typecast node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	TypecastParameters	The parameters for the node.	Small, 51.0	51.0

Typecast Parameters

The parameters for a typecast node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	SchemaField[]	The list of fields to typecast.	Small, v51.0	51.0

Typographic Cluster

The configuration for a typographic cluster algorithm.

Properties

Inherits properties from [AbstractBucketAlgorithm](#).

Property Name	Type	Description	Filter Group and Version	Available Version
distanceThreshold	Integer	The edit distance	Small, v52.0	52.0
ignoreCase	Boolean	Indicates whether to ignore case (<code>true</code>) or not (<code>false</code>).	Small, v52.0	52.0

Update Node

An update node in a recipe.

Properties

Inherits properties from [Recipe Node](#).

Property Name	Type	Description	Filter Group and Version	Available Version
parameters	UpdateParameters	The parameters for the node.	Small, v51.0	51.0

Update Parameters

The parameters for an update node in a recipe.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
leftKeys	String[]	The list of left keys.	Small, v54.0	54.0
rightKeys	String[]	The right of left keys.	Small, v54.0	54.0
updateColumns	Map<String, String>	The map of columns to update.	Small, v54.0	54.0

RECIPE REST API APPENDICES

Use these appendices when working with enums and other shared resources.

[Recipe REST API Enums](#)

Enums specific to the `/wave/recipes` namespace

Recipe REST API Enums

Enums specific to the `/wave/recipes` namespace

Enums are not versioned. Enum Values are returned in all API versions. Clients should handle values they don't understand gracefully.

Enum	Description
ConnectAnalyticsLicenseTypeEnum	The Analytics license types. Valid values are: • <code>Cdp</code> (Data Cloud) • <code>DataPipelineQuery</code> (Data Pipeline Query) • <code>EinsteinAnalytics</code> (CRM Analytics) • <code>IntelligentApps</code> (Intelligent Apps) • <code>MulesoftDataPath</code> (Mulesoft Data Works) • <code>Sonic</code> (Salesforce Data Pipeline)
ConnectEmailNotificationLevelEnum	Valid types of email notification levels you can set. Valid values are: • <code>Always</code> • <code>Failures</code> • <code>Never</code> • <code>Warnings</code>
ConnectRecipeConversionSeverityEnum	The severity of the conversion detail. Valid values are: • <code>UserInfo</code> • <code>Warning</code>
ConnectRecipeExecutionEngineEnum	The recipe's execution engine. Valid values are: • <code>V1</code> • <code>V2</code>
ConnectRecipeFormatTypeEnum	Returns a collection filtered by the format of the current recipe definition. Valid values are: • <code>R2</code> (Data Prep Classic) • <code>R3</code> (Data Prep)

Enum	Description
ConnectRecipePublishingTargetEnum	The target format or system to publish the recipe to. Valid values are: Dataset (Publish to Dataset)
ConnectRecipeScheduleTypeEnum	The schedule type of the recipe. Valid values are: - EventDriven - TimeDriven
ConnectRecipeStatusEnum	The status of the recipe. Valid values are: - Cancelled - Failure - New (Never run or has no recent run) - Queued - Running - Success - Warning
ConnectRecipeValidationContextEnum	The recipe validation context. Valid values are: - Default - Editor
ConnectWaveDataConnectorTypeEnum	The type of Analytics connector. The valid values are: - AmazonAthena - AmazonRedshiftOutput - AmazonS3 - AmazonS3Output - AwsRdsAuroraMySQL - AwsRdsAuroraPostgres - AwsRdsMariaDB - AwsRdsMySQL - AwsRdsPostgres - AwsRdsSqlServer - AzureDataLakeGen2Output - AzureSqlDatabase - AzureSqlDatawarehouse - Databricks (Beta) - GoogleAnalytics - GoogleAnalytics4 - GoogleAnalyticsCoreReporting - GoogleBigQuery

Enum	Description
	• GoogleBigQueryDirect • GoogleBigQueryStandardSQL • GoogleSpanner • HerokuPostgres • HubSpot • MarketoV2 • MulesoftMySQL • MulesoftOracle • MulesoftSqlServer • NetSuite • OracleEloqua • Redshift • SalesforceExternal • SalesforceMarketingCloudOAuth2 • SapHanaCloud • SfdcLocal • SnowflakeComputing • SnowflakeDirect • SnowflakeOutput • TableauOnline • TableauHyperOutput • Zendesk
DetectSentimentOutputTypeEnum	The output type. Valid values are: • Dimension • Measure
InputRunModeEnum	The input run mode. Valid values are: • Full • Incremental • Streaming
MeasureScalingTypeEnum	The scaling type. Valid values are: • MinMaxScaling
OperationEnum	The operation type for append. Valid values are: • Append • Delete • Upsert

Enum	Description
OutputModeEnum	The output mode. Valid values are: • Append • Complete • Update
RecipeAggregateNodeEnum	The aggregate type for the node. Valid values are: • Hierarchical • Standard
RecipeAggregateType	The recipe aggregation type. Valid values are: • Avg • Count • Maximum • Median • Minimum • StdDev • StdDevP • Sum • Unique • Var • VarP
RecipeBucketAlgorithmType	The recipe bucket field algorithm type. Valid values are: • TypographicClustering
RecipeBucketGrain	The recipe bucket date grain type. Valid values are: • AbsoluteDate • Days • FiscalQuarters • FiscalYears • Months • Quarters • Weeks • Years
RecipeConfigurationFiscalOffsetYearBasedOnEnum	The recipe configuration fiscal offset year based on type. Valid values are: • End • Start

Enum	Description
RecipeConfigurationFiscalTypeEnum	The recipe configuration fiscal type. Valid values are: Offset
RecipeD360OutputType	The output type. Valid values are: DateLakeObject
RecipeDataCloudOutputTypeEnum	The output type. Valid values are: DateLakeObject
RecipeDataType	The recipe data type. Valid values are: - DateOnly - DateTime - Multivalue - Number - Text
RecipeDateGrain	The extract grain type. Valid values are: - Day - DayEpoch - FiscalMonth - FiscalQuarter - FiscalWeek - FiscalYear - Hour - Minute - Month - Quarter - Second - SecondEpoch - Week - Year
RecipeDatasetType	The type of the dataset. Valid values are: - Analytics - Connected - DataLakeObject - DataModelObject
RecipeExportCsvHeaderRowValueType	The type of the recipe export CSV header row value. Valid values are: FullyQualifiedName

Enum	Description
	Label
RecipeExportFormat	The format of the export. Valid values are: CSV.
RecipeFormulaExpressionType	The formula expression type. Valid values are: - Legacy - Sql
RecipeGroupDatesBy	The value to group dates by. Valid values are: - Year - YearMonth - YearMonthDay - YearQuarter - YearWeek
RecipeGroupDatesByV2	The value to group dates by. Valid values are: - FiscalYear - FiscalYearMonth - FiscalYearQuarter - FiscalYearWeek - YearMonth - YearMonthDay - YearQuarter - YearWeek
RecipeJoinType	The join type. Valid values are: - Cross - Inner - LeftOuter - Lookup - MultiValueLookup - Outer - RightOuter
RecipeNodeAction	The recipe node action. Valid recipe actions are: - Aggregate - Append - Append_V2 - Bucket

Enum	Description
	• Bucket V2 • Clustering • ComputeRelative • DateFormatConversion • DetectSentiment • DiscoveryPredict • Export • Extension • Extract • Filter • Flatten • Formula • Join • Load • OptimizedAppendOutput • OptimizedUpdateOutput • OutputD360 • OutputExternal • PredictMissingValues • Recommendation • Save • Schema • Split • SqlFilter • TimeSeries • TimeSeriesV2 • TypeCast • Update • WriteDataCloudObject
RecipeOutputExternalOperation	The output external operation type. Valid values are: • Empty • Insert • Update • Upsert
RecipeRunMode	The recipe run mode. Valid values are: • Full • Incremental

Enum	Description
	Streaming
RecipeSliceMode	The slice mode. Valid values are: - SELECT - DROP
RecipeSortOrderEnum	The recipe sort order. Valid values are: - Ascending - Descending
RecipeTimeSeriesConfidenceIntervalType	The confidence interval. Valid values are: - Eighty - NinetyFive - None
RecipeTimeSeriesModel	The time series model. Valid values are: - Additive - Auto - Multiplicative
SampleType	The recipe sample type. Valid values are: - Custom - Random - TopN - Unique
SentimentScoreTypeEnum	The sentiment score type. Valid values are: - All - None
TimeSeriesV2ForecastAlgorithmEnum	The forecast algorithm. Valid values are: HoltWinters
TimeSeriesV2ForecastLengthTypeEnum	The forecast length type. Valid values are: Rolling
TimeSeriesV2PartialDataHandlingEnum	The partial data handling value. Valid values are: - IgnoreLast - None
TriggerTypeEnum	The trigger type. Valid values are: Fixed

Property Name	Enum	Description	Required or Optional	Available Version
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 • RefreshDate (for assets like datasets) • RunDate (for assets like reports) • Status • Title • Type	Optional	38.0