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Developers   ⌄

CdpQuery Class ☰

CdpQuery Class

Get Data Cloud metadata and query data.

Namespace

[ConnectApi](#)

CdpQuery Methods

These methods are for `CdpQuery`. All methods are static.

- **getAllMetadata()**
  Get all metadata, including Calculated Insights, Engagement, Profile, and other objects, as well as their relationships to other objects.

- **getAllMetadata(entityType, entityCategory, entityName)**
  Get all metadata, filtering for entity type, category, and name.

- **getAllMetadata(entityType, entityCategory, entityName, dataspace)**
  Get all metadata, filtering for entity type, category, name, and data space.

- **getInsightsMetadata()**
  Get Insight metadata, including Calculated Insight objects, their dimensions and measures.

- **getInsightsMetadata(ciName)**
  Get metadata for a Calculated Insight object. Metadata includes dimensions and measures.

- **getInsightsMetadata(ciName, dataspace)**
  Get metadata for a Calculated Insight object and specify the data space. Metadata includes dimensions and measures.

- **getProfileMetadata()**
  Get metadata for data model objects in the profile category, including Individual, Contact Point Email, Unified Individual, and Contact Point Address objects. Metadata includes the objects, their fields, and category.

- **getProfileMetadata(dataModelName)**
  Get metadata for a data model object in the profile category, such as Individual, Contact Point Email, Unified Individual, and Contact Point Address. Metadata includes the list of fields, data types, and indexes available for lookup.

- **getProfileMetadata(dataModelName, dataspace)**
  Get metadata for a data model object in the profile category, such as Individual, Contact Point Email, Unified Individual, and Contact Point Address. Also, specify the data space. Metadata includes the list of fields, data types, and indexes available for lookup.

- **queryANSISql(input)**
  Synchronously query data across data model, lake, unified, and linked objects. This query returns up to 49,999 rows.

- **queryANSISql(input, batchSize, offset, orderby)**
  Synchronously query data across data model, lake, unified, and linked objects. Specify batch size, offset, and order of the results. This query returns up to 49,999 rows.

- **queryANSISql(input, batchSize, offset, orderby, dataspace)**
  Synchronously query data across data model, lake, unified, and linked objects. Specify batch size, offset, order of the results, and data space. This query returns up to 49,999 rows.

- **nextBatchAnsiSqlV2(nextBatchId)**

  Get the next batch of data across data model, lake, unified, and linked objects.

- **nextBatchAnsiSqlV2(nextBatchId, dataspace)**

  Get the next batch of data across data model, lake, unified, and linked objects. Also, specify the data space.

- **querySql(input)**

  Submit an SQL query request for execution and retrieve the first chunk of data.

- **querySql(input, dataspace)**

  Submit an SQL query request for execution and specify the data space.

- **querySql(input, workloadName, dataspace)**

  Submit an SQL query request for execution and specify the workload name and data space.

- **querySqlRows(queryId, offset, rowLimit)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Results are available for up to 24 hours.

- **querySqlRows(queryId, offset, rowLimit, omitSchema)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify whether to include metadata in the response or not. Results are available for up to 24 hours.

- **querySqlRows(queryId, offset, rowLimit, dataspace)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the data space. Results are available for up to 24 hours.

- **querySqlRows(queryId, offset, rowLimit, omitSchema, dataspace)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the data space and whether or not to exclude metadata from the response. Results are available for up to 24 hours.

- **querySqlRows(queryId, offset, rowLimit, workloadName, dataspace)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the workload name and data space. Results are available for up to 24 hours.

- **querySqlRows(queryId, offset, rowLimit, omitSchema, workloadName, dataspace)**

  Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the workload name, data space, and whether or not to exclude metadata from the response. Results are available for up to 24 hours.

- **cancelQuerySql(queryId)**

  Delete the specified query and terminate long-running queries that are no longer needed to manage resource consumption.

- **cancelQuerySql(queryId, dataspace)**

  Delete the specified query and terminate long-running queries that are no longer needed to manage resource consumption. Specify the data space.

- **cancelQuerySql(queryId, workloadName, dataspace)**

  Delete the specified query and terminate long-running queries that are no longer needed to manage resource consumption. Specify the data space and workload name.

- **querySqlStatus(queryId)**

  Get the status of an SQL query request. Results are available for up to 24 hours.

- **querySqlStatus(queryId, waitTimeMs)**

  Get the status of an SQL query request and specify the time to wait before returning the response. Results are available for up to 24 hours.

- **querySqlStatus(queryId, dataspace)**

  Get the status of an SQL query request and specify the data space. Results are available for up to 24 hours.

- **querySqlStatus(queryId, dataspace, waitTimeMs)**

  Get the status of an SQL query request. Specify the data space and time to wait before returning the response. Results are available for up to 24 hours.

Get the status of an SQL query request. Specify the workload name, data space, and time to wait before returning the response. Results are available for up to 24 hours.

- **queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset)**
  Query a Calculated Insight object.

- **queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset, timeGranularity)**
  Query a Calculated Insight object within a specified time range.

- **queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset, timeGranularity, dataspace)**
  Query a Calculated Insight object within a specified time range and specify the data space.

- **queryProfileApi(dataModelName, filters, fields, batchSize, offset, orderby)**
  Query a Profile data model object using filters.

- **queryProfileApi(dataModelName, id, searchKey, filters, fields, batchSize, offset, orderby)**
  Query a Profile data model object using filters and a search key.

- **queryProfileApi(dataModelName, id, childDataModelName, searchKey, filters, fields, batchSize, offset, orderby)**
  Query a Profile data model object and a child object using filters and a search key.

- **queryProfileApi(dataModelName, id, ciName, searchKey, dimensions, measures, filters, fields, batchSize, offset, orderby)**
  Query a Profile data model object and a Calculated Insight object using filters and a search key.

- **queryProfileApi(dataModelName, id, ciName, searchKey, dimensions, measures, filters, fields, batchSize, offset, orderby, timeGranularity)**
  Query a Profile data model object and a Calculated Insight object using filters, a search key, and a time range.

- **queryProfileApi(dataModelName, id, ciName, searchKey, dimensions, measures, filters, fields, batchSize, offset, orderby, timeGranularity, dataspace)**
  Query a Profile data model object and a Calculated Insight object using filters, a search key, a time range, and a data space.

- **universalIdLookupBySourceId(entityName, dataSourceId, dataSourceObjectId, sourceRecordId)**
  Look up objects by source ID.

- **universalIdLookupBySourceId(entityName, dataSourceId, dataSourceObjectId, sourceRecordId, dataspace)**
  Look up objects by source ID and specify the data space.

getAllMetadata()

Get all metadata, including Calculated Insights, Engagement, Profile, and other objects, as well as their relationships to other objects.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getAllMetadata()
```

Return Value

Type: `ConnectApi.CdpQueryMetadataOutput`

getAllMetadata(entityType, entityCategory, entityName)

Requires Chatter

No

Signature

`public static ConnectApi.CdpQueryMetadataOutput getAllMetadata(String entityType, String entityCategory, String entityName)`

Parameters

entityType

Type: String

Type of metadata entity requested. Valid values are `DataLakeObject`, `DataModelObject`, and `CalculatedInsight`. If unspecified, all types are returned.

entityCategory

Type: String

Category of the metadata entity. Valid values are `Profile`, `Engagement`, and `Related`. If unspecified, all category entities are returned.

entityName

Type: String

Metadata name of the entity, for example `UnifiedIndividual__dlm`. If unspecified, a complete list of entities is returned.

Return Value

Type: `ConnectApi.CdpQueryMetadataOutput`

getAllMetadata(entityType, entityCategory, entityName, dataspace)

Get all metadata, filtering for entity type, category, name, and data space.

API Version

57.0

Requires Chatter

No

Signature

`public static ConnectApi.CdpQueryMetadataOutput getAllMetadata(String entityType, String entityCategory, String entityName, String dataspace)`

Parameters

entityType

Type: String

Type of metadata entity requested. Valid values are `DataLakeObject`, `DataModelObject`, and `CalculatedInsight`. If unspecified, all types are returned.

entityCategory

Type: String

Type: String

Metadata name of the entity, for example `UnifiedIndividual__dlm`. If unspecified, a complete list of entities is returned.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.CdpQueryMetadataOutput`

getInsightsMetadata()

Get Insight metadata, including Calculated Insight objects, their dimensions and measures.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getInsightsMetadata()
```

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

getInsightsMetadata(ciName)

Get metadata for a Calculated Insight object. Metadata includes dimensions and measures.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getInsightsMetadata(String ciName)
```

Parameters

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

getInsightsMetadata(ciName, dataspace)

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getInsightsMetadata(String ciName, String dataspace)
```

Parameters

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

getProfileMetadata()

Get metadata for data model objects in the profile category, including Individual, Contact Point Email, Unified Individual, and Contact Point Address objects. Metadata includes the objects, their fields, and category.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getProfileMetadata()
```

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

getProfileMetadata(dataModelName)

Get metadata for a data model object in the profile category, such as Individual, Contact Point Email, Unified Individual, and Contact Point Address. Metadata includes the list of fields, data types, and indexes available for lookup.

API Version

52.0

Requires Chatter

No

Signature

Type: String

Name of the data model object, for example, `UnifiedIndividual__dlm`.

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

getProfileMetadata(dataModelName, dataspace)

Get metadata for a data model object in the profile category, such as Individual, Contact Point Email, Unified Individual, and Contact Point Address. Also, specify the data space. Metadata includes the list of fields, data types, and indexes available for lookup.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryMetadataOutput getProfileMetadata(String dataModelName, String dataspace)
```

Parameters

dataModelName

Type: String

Name of the data model object, for example, `UnifiedIndividual__dlm`.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: ConnectApi.CdpQueryMetadataOutput

queryANSISql(input)

Synchronously query data across data model, lake, unified, and linked objects. This query returns up to 49,999 rows.

A newer version of the Query API is available. We recommend using `queryAnsiSqlV2(input)` and `nextBatchAnsiSqlV2(nextBatchId)` to take advantage of subsequent requests and larger response sizes.

> ℹ️ **Note**

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryANSISql(ConnectApi.CdpQueryInput input)
```

A `ConnectApi.CdpQueryInput` body with the SQL query.

Return Value

Type: [ConnectApi.CdpQueryOutput](#)

queryANSISql(input, batchSize, offset, orderby)

Synchronously query data across data model, lake, unified, and linked objects. Specify batch size, offset, and order of the results. This query returns up to 49,999 rows.

A newer version of the Query API is available. We recommend using `queryAnsiSqlV2(input)` and `nextBatchAnsiSqlV2(nextBatchId)` to take advantage of subsequent requests and larger response sizes.

> ℹ️ **Note**

API Version

53.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryANSISql(ConnectApi.CdpQueryInput input, Integer batchSize,
Integer offset, String orderby)
```

Parameters

input

Type: [ConnectApi.CdpQueryInput](#)

A `ConnectApi.CdpQueryInput` body with the SQL query.

batchSize

Type: [Integer](#)

Number of records to return. Values are from `1-49999`. The default value is `49999`.

offset

Type: [Integer](#)

Number of rows to skip before returning results. The sum of *offset* and *batchSize* must be less than `2147483647`. The default value is `0`.

orderby

Type: [String](#)

Comma-separated values to sort the results in ascending or descending order, for example, `GenderId__c ASC,Occupation__c DESC`.

Return Value

Type: [ConnectApi.CdpQueryOutput](#)

queryANSISql(input, batchSize, offset, orderby, dataspace)

Synchronously query data across data model, lake, unified, and linked objects. Specify batch size, offset, order of the results, and data space. This query returns up to 49,999 rows.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryANSISql(ConnectApi.CdpQueryInput input, Integer batchSize,
Integer offset, String orderby, String dataspace)
```

Parameters

input

Type: ConnectApi.CdpQueryInput

A `ConnectApi.CdpQueryInput` body with the SQL query.

batchSize

Type: Integer

Number of records to return. Values are from `1-49999`. The default value is `49999`.

offset

Type: Integer

Number of rows to skip before returning results. The sum of *offset* and *batchSize* must be less than `2147483647`. The default value is `0`.

orderby

Type: String

Comma-separated values to sort the results in ascending or descending order, for example, `GenderId__c ASC,Occupation__c DESC`.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: ConnectApi.CdpQueryOutput

queryAnsiSqlV2(input)

Query data across data model, lake, unified, and linked objects.

API Version

54.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutputV2 queryAnsiSqlV2(ConnectApi.CdpQueryInput input)
```

Parameters

Return Value

Type: `ConnectApi.CdpQueryOutputV2`

Usage

Use the `nextBatchId` in the `ConnectApi.CdpQueryOutputV2` output class as the *nextBatchId* parameter in the nextBatchAnsiSqlV2(nextBatchId) method to continue getting batches of data for up to an hour.

queryAnsiSqlV2(input, dataspace)

Query data across data model, lake, unified, and linked objects. Also, specify the data space.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutputV2 queryAnsiSqlV2(ConnectApi.CdpQueryInput input, String dataspace)
```

Parameters

input

Type: ConnectApi.CdpQueryInput

A `ConnectApi.CdpQueryInput` body with the SQL query.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.CdpQueryOutputV2`

Usage

Use the `nextBatchId` in the `ConnectApi.CdpQueryOutputV2` output class as the *nextBatchId* parameter in the nextBatchAnsiSqlV2(nextBatchId) method to continue getting batches of data for up to an hour.

nextBatchAnsiSqlV2(nextBatchId)

Get the next batch of data across data model, lake, unified, and linked objects.

API Version

54.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutputV2 nextBatchAnsiSqlV2(String nextBatchId)
```

Parameters

Return Value

Type: `ConnectApi.CdpQueryOutputV2`

Usage

Initially, use the queryAnsiSqIV2(input) method to query up to 8 MB of data. Use the `nextBatchId` from the `ConnectApi.CdpQueryOutputV2` output class as the *nextBatchId* parameter in this method to get the next batch of data. You can continue using subsequent next batch IDs for up to an hour.

nextBatchAnsiSqIV2(nextBatchId, dataspace)

Get the next batch of data across data model, lake, unified, and linked objects. Also, specify the data space.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutputV2 nextBatchAnsiSqlV2(String nextBatchId, String dataspace)
```

Parameters

nextBatchId

  Type: String

  ID of the next batch. See the Usage section for more information.

dataspace

  Type: String

  Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.CdpQueryOutputV2`

Usage

Initially, use the queryAnsiSqIV2(input) method to query up to 8 MB of data. Use the `nextBatchId` from the `ConnectApi.CdpQueryOutputV2` output class as the *nextBatchId* parameter in this method to get the next batch of data. You can continue using subsequent next batch IDs for up to an hour.

querySql(input)

Submit an SQL query request for execution and retrieve the first chunk of data.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlOutput querySql(ConnectApi.QuerySqlInput input)
```

Input representation for an SQL query.

Return Value

Type: `ConnectApi.QuerySqlOutput`

Usage

To get started with writing queries, see Write a Simple Query. For more information about creating SQL statements, see Data Cloud SQL Syntax.

Example

Submit a query, check its status, then retrieve and process data in chunks until all results are fetched:

```apex
ConnectApi.QuerySqlInput query = new ConnectApi.QuerySqlInput();
query.sql = 'SELECT street_address__c FROM test__dll limit 200000';

Integer numProcessed = 0;
Long startTime = System.currentTimeMillis();
System.debug('Query execution started at: ' + startTime);

ConnectApi.QuerySqlOutput queryOutput = ConnectApi.CdpQuery.querySql(query, 'sample_workload', 'default');
ConnectApi.QuerySqlStatus status = queryOutput.status;

// Process chunks as they become available
while(status.completionStatus != ConnectApi.QuerySqlStatusEnum.FINISHED || numProcessed < status.rowCo

    // If we have unprocessed rows available, fetch and process them
    if (status.rowCount > numProcessed) {
        ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(status.queryId, n

        // Process this chunk - inline max length calculation
        Integer maxLength = 0;
        for (ConnectApi.QuerySqlRow rowObj : pageOutput.dataRows) {
            String streetAddress = (String) rowObj.row[0];
            if (streetAddress.length() > maxLength) {
                maxLength = streetAddress.length();
            }
        }

        System.debug('Chunk - Rows: ' + pageOutput.dataRows.size() + ', Max street_address length: ' + maxLen
        numProcessed += pageOutput.dataRows.size();

    } else if (status.completionStatus != ConnectApi.QuerySqlStatusEnum.FINISHED) {
        // No new rows available yet, wait a bit before checking status again
        System.debug('Query in progress. Total rows available: ' + status.rowCount + ', Processed: ' + numProce

        // Small delay to avoid excessive polling (adjust as needed)
        // Note: In Apex, we can't use Thread.sleep(), so we'll just continue to next iteration
    }

    // Update status if query is still running
    if (status.completionStatus != ConnectApi.QuerySqlStatusEnum.FINISHED) {
        status = ConnectApi.CdpQuery.querySqlStatus(status.queryId, 'sample_workload', 'default');
    }
}

Long completionTime = System.currentTimeMillis();
System.debug('Query and processing completed at: ' + completionTime + ', Total time: ' + (completionTime - st
System.debug('Total rows processed: ' + numProcessed + ' out of ' + status.rowCount + ' total rows');
```

querySql(input, dataspace)

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlOutput querySql(ConnectApi.QuerySqlInput input, String dataspace)
```

Parameters

input

Type: `ConnectApi.QuerySqlInput`

Input representation for an SQL query.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlOutput`

Usage

To get started with writing queries, see Write a Simple Query. For more information about creating SQL statements, see Data Cloud SQL Syntax.

Example

Submit a query with a data space:

```
ConnectApi.QuerySqlInput input = new ConnectApi.QuerySqlInput();
input.sql = 'select * from "passenger2__dll"';

ConnectApi.QuerySqlOutput output = ConnectApi.CdpQuery.querySql(input, 'default');
System.debug(output);

System.debug(output.dataRows);
System.debug(output.metadata);
System.debug(output.status);
System.debug(output.returnedRows);
```

querySql(input, workloadName, dataspace)

Submit an SQL query request for execution and specify the workload name and data space.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlOutput querySql(ConnectApi.QuerySqlInput input, String workloadName, String dataspace)
```

Input representation for an SQL query.

workloadName

Type: String

Description of the scenario, task, or application name that your query handles. Set this value to help Salesforce Customer Support assist you with debugging issues.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlOutput`

Usage

To get started with writing queries, see Write a Simple Query. For more information about creating SQL statements, see Data Cloud SQL Syntax.

Example

Submit a query with a data space and workload name:

```
ConnectApi.QuerySqlInput input = new ConnectApi.QuerySqlInput();
input.sql = 'select * from "passenger2__dll"';

ConnectApi.QuerySqlOutput output = ConnectApi.CdpQuery.querySql(input, 'workloadName', 'default');
System.debug(output);

System.debug(output.dataRows);
System.debug(output.metadata);
System.debug(output.status);
System.debug(output.returnedRows);
```

querySqlRows(queryId, offset, rowLimit)

Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

`public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit)`

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

total number of available rows. If unspecified, no rows are skipped.

rowLimit

Type: Long

Maximum number of rows to include in the response. Value must be greater than `0`. Fewer rows may be returned.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Query additional rows with an offset and row limit:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

querySqlRows(queryId, offset, rowLimit, omitSchema)

Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify whether to include metadata in the response or not. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit,
Boolean omitSchema)
```

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

offset

Type: Long

Row number to start with when retrieving the next chunk of query results. Value must be less than the total number of available rows. If unspecified, no rows are skipped.

rowLimit

omitSchema

Type: Boolean

Indicates whether to exclude metadata from the response (`true`) or not (`false`). Omitting the schema reduces the amount of data returned and improves performance.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input) , querySql(input, dataspace) , or querySql(input, workloadName, dataspace) .

Example

Query additional rows with an offset, a row limit, and omitting the schema:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

querySqlRows(queryId, offset, rowLimit, dataspace)

Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the data space. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit, String dataspace)
```

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548` . The query ID is returned in the `querySql` response.

offset

Type: Long

Row number to start with when retrieving the next chunk of query results. Value must be less than the total number of available rows. If unspecified, no rows are skipped.

rowLimit

Type: Long

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call
querySql(input) , querySql(input, dataspace) , or querySql(input, workloadName, dataspace) .

Example

Query additional rows with an offset, row limit, and data space:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

querySqlRows(queryId, offset, rowLimit, omitSchema, dataspace)

Get additional query results that weren't returned in the initial request. Paginate through existing query
results by specifying the offset and row limit. Also, specify the data space and whether or not to exclude
metadata from the response. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit,
Boolean omitSchema, String dataspace)
```

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548` . The query ID is returned in the `querySql` response.

offset

Type: Long

Row number to start with when retrieving the next chunk of query results. Value must be less than the
total number of available rows. If unspecified, no rows are skipped.

rowLimit

Type: Long

Maximum number of rows to include in the response. Value be greater than `0` . Fewer rows may be
returned.

reduces the amount of data returned and improves performance.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Query additional rows with an offset, row limit, data space, and omitting the schema:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

querySqlRows(queryId, offset, rowLimit, workloadName, dataspace)

Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the workload name and data space. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit, String workloadName, String dataspace)
```

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

offset

Type: Long

Row number to start with when retrieving the next chunk of query results. Value must be less than the total number of available rows. If unspecified, no rows are skipped.

rowLimit

Type: Long

Type: String

Description of the scenario, task, or application name that your query handles. Set this value to help Salesforce Customer Support assist you with debugging issues.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call `querySql(input)`, `querySql(input, dataspace)`, or `querySql(input, workloadName, dataspace)`.

Example

Query additional rows with an offset, row limit, workload name, and data space:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

querySqlRows(queryId, offset, rowLimit, omitSchema, workloadName, dataspace)

Get additional query results that weren't returned in the initial request. Paginate through existing query results by specifying the offset and row limit. Also, specify the workload name, data space, and whether or not to exclude metadata from the response. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlPageOutput querySqlRows(String queryId, Long offset, Long rowLimit,
Boolean omitSchema, String workloadName, String dataspace)
```

Parameters

queryId

Type: String

ID from the initial query to retrieve more results, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

offset

Type: Long

Type: Long

Maximum number of rows to include in the response. Value be greater than `0`. Fewer rows may be returned.

omitSchema

Type: Boolean

Indicates whether to exclude metadata from the response (`true`) or not (`false`). Omitting the schema reduces the amount of data returned and improves performance.

workloadName

Type: String

Description of the scenario, task, or application name that your query handles. Set this value to help Salesforce Customer Support assist you with debugging issues.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlPageOutput`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Query additional rows with an offset, row limit, workload name, data space, and omitting the schema:

```
ConnectApi.QuerySqlPageOutput pageOutput = ConnectApi.CdpQuery.querySqlRows(output.status.queryId, 10
System.debug(pageOutput);
System.debug(pageOutput.dataRows);
System.debug(pageOutput.metadata);
System.debug(pageOutput.returnedRows);
```

cancelQuerySql(queryId)

Delete the specified query and terminate long-running queries that are no longer needed to manage resource consumption.

API Version

62.0

Requires Chatter

No

Signature

```
public static Void cancelQuerySql(String queryId)
```

Parameters

queryId

Return Value

Type: Void

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call
querySql(input) , querySql(input, dataspace) , or querySql(input, workloadName, dataspace) .

Example

Cancel a query:

```
ConnectApi.CdpQuery.cancelQuerySql(output.status.queryId);
System.debug('done');
```

cancelQuerySql(queryId, dataspace)

Delete the specified query and terminate long-running queries that are no longer needed to manage
resource consumption. Specify the data space.

API Version

62.0

Requires Chatter

No

Signature

```
public static Void cancelQuerySql(String queryId, String dataspace)
```

Parameters

queryId

Type: String

ID of the query to cancel, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548` .
The query ID is returned in the `querySql` response.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: Void

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call
querySql(input) , querySql(input, dataspace) , or querySql(input, workloadName, dataspace) .

Example

Cancel a query with a data space:

cancelQuerySql(queryId, workloadName, dataspace)

Delete the specified query and terminate long-running queries that are no longer needed to manage resource consumption. Specify the data space and workload name.

API Version

62.0

Requires Chatter

No

Signature

```
public static Void cancelQuerySql(String queryId, String workloadName, String dataspace)
```

Parameters

queryId

    Type: String

    ID of the query to cancel, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

workloadName

    Type: String

    Description of the scenario, task, or application name that your query handles. Set this value to help Salesforce Customer Support assist you with debugging issues.

dataspace

    Type: String

    Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: Void

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Cancel a query with a workload name and data space:

```
ConnectApi.CdpQuery.cancelQuerySql(output.status.queryId, 'workloadName', 'default');
System.debug('done');
```

querySqlStatus(queryId)

Get the status of an SQL query request. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

Parameters

queryId

Type: String

ID of the query to return the status for, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

Return Value

Type: `ConnectApi.QuerySqlStatus`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Get the status of a query:

```
ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId);
System.debug(statusOutput);
```

querySqlStatus(queryId, waitTimeMs)

Get the status of an SQL query request and specify the time to wait before returning the response. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlStatus querySqlStatus(String queryId, Integer waitTimeMs)
```

Parameters

queryId

Type: String

ID of the query to return the status for, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

waitTimeMs

Type: Integer

Maximum time (in milliseconds) to wait for the result. Configure a wait time up to 10 seconds before returning the status without chunk information. If unspecified, the status is returned immediately. Use this to avoid resource limits by delaying requests.

Return Value

Type: `ConnectApi.QuerySqlStatus`

Example

Get the status of a query with wait time:

```
ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId, 55);
System.debug(statusOutput);
```

querySqlStatus(queryId, dataspace)

Get the status of an SQL query request and specify the data space. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlStatus querySqlStatus(String queryId, String dataspace)
```

Parameters

queryId

Type: String

ID of the query to return the status for, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.QuerySqlStatus`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input) , querySql(input, dataspace) , or querySql(input, workloadName, dataspace) .

Example

Get the status of a query with a data space:

```
ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId, 'defau
System.debug(statusOutput);
```

querySqlStatus(queryId, dataspace, waitTimeMs)

Get the status of an SQL query request. Specify the data space and time to wait before returning the response. Results are available for up to 24 hours.

API Version

Signature

```
public static ConnectApi.QuerySqlStatus querySqlStatus(String queryId, String dataspace, Integer waitTimeMs)
```

Parameters

queryId

Type: String

ID of the query to return the status for, for example `MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548`. The query ID is returned in the `querySql` response.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

waitTimeMs

Type: Integer

Maximum time (in milliseconds) to wait for the result. Configure a wait time up to 10 seconds before returning the status without chunk information. If unspecified, the status is returned immediately. Use this to avoid resource limits by delaying requests.

Return Value

Type: `ConnectApi.QuerySqlStatus`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Get the status of a query with a data space and wait time:

```
ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId, 'defau
System.debug(statusOutput);
```

querySqlStatus(queryId, workloadName, dataspace)

Get the status of an SQL query request. Specify the workload name and data space. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlStatus querySqlStatus(String queryId, String workloadName, String dataspace)
```

Parameters

c3a7ba2ff548. The query ID is returned in the querySql response.

workloadName

Type: String

Description of the scenario, task, or application name that your query handles. Set this value to help Salesforce Customer Support assist you with debugging issues.

dataspace

Type: String

Name of the data space to query. If unspecified, the default data space is used.

Return Value

Type: ConnectApi.QuerySqlStatus

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Get the status of a query with a workload name and data space:

```
ConnectApi.QuerySqlInput input = new ConnectApi.QuerySqlInput();
input.sql = 'select * from "passenger2__dll"';
ConnectApi.QuerySqlOutput output = ConnectApi.CdpQuery.querySql(input);
System.debug(output);


ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId, 'work
System.debug(statusOutput);
```

querySqlStatus(queryId, workloadName, dataspace, waitTimeMs)

Get the status of an SQL query request. Specify the workload name, data space, and time to wait before returning the response. Results are available for up to 24 hours.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.QuerySqlStatus querySqlStatus(String queryId, String workloadName, String dataspace,
Integer waitTimeMs)
```

Parameters

queryId

Type: String

ID of the query to return the status for, for example MTAuMjMuMTU2LjIwODo3NDg0_49169cf8-a6f4-738f-6544-c3a7ba2ff548. The query ID is returned in the querySql response.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

waitTimeMs

Type: Integer

Maximum time (in milliseconds) to wait for the result. Configure a wait time up to 10 seconds before returning the status without chunk information. If unspecified, the status is returned immediately. Use this to avoid resource limits by delaying requests.

Return Value

Type: `ConnectApi.QuerySqlStatus`

Usage

Retrieve the *queryId* from the initial query request. To submit an SQL query request for execution, call querySql(input), querySql(input, dataspace), or querySql(input, workloadName, dataspace).

Example

Get the status of a query with a workload name, data space, and wait time:

```
ConnectApi.QuerySqlStatus statusOutput = ConnectApi.CdpQuery.querySqlStatus(output.status.queryId, 'work
System.debug(statusOutput);
```

queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset)

Query a Calculated Insight object.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryCalculatedInsights(String ciName, String dimensions, String
measures, String orderby, String filters, Integer batchSize, Integer offset)
```

Parameters

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

dimensions

Type: String

Comma-separated list of up to 10 dimensions, such as `GenderId__c`, to project. If unspecified, this parameter includes all of the available dimensions.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

filters

Type: String

Filter the result set to a more narrow scope or specific type, such as `[GenderId__c=Male, FirstName__c=Angel]`.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `4999`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

Return Value

Type: ConnectApi.CdpQueryOutput

queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset, timeGranularity)

Query a Calculated Insight object within a specified time range.

API Version

54.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryCalculatedInsights(String ciName, String dimensions, String measures, String orderby, String filters, Integer batchSize, Integer offset, String timeGranularity)
```

Parameters

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

dimensions

Type: String

Comma-separated list of up to 10 dimensions, such as `GenderId__c`, to project. If unspecified, this parameter includes all of the available dimensions.

measures

Type: String

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

filters

Type: String

Filter the result set to a more narrow scope or specific type, such as `[GenderId__c=Male, FirstName__c=Angel]`.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `4999`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

timeGranularity

Type: String

Time range for the measures. Values are:

- HOUR
- DAY
- MONTH
- QUARTER
- YEAR

If unspecified, no time range is applied.

Return Value

Type: ConnectApi.CdpQueryOutput

queryCalculatedInsights(ciName, dimensions, measures, orderby, filters, batchSize, offset, timeGranularity, dataspace)

Query a Calculated Insight object within a specified time range and specify the data space.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryCalculatedInsights(String ciName, String dimensions, String measures, String orderby, String filters, Integer batchSize, Integer offset, String timeGranularity, String dataspace)
```

Parameters

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

measures

Type: String

Comma-separated list of up to 5 measures, such as `TotalSales__c`, to project. If unspecified, this parameter includes all of the available measures.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

filters

Type: String

Filter the result set to a more narrow scope or specific type, such as `[GenderId__c=Male, FirstName__c=Angel]`.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `4999`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

timeGranularity

Type: String

Time range for the measures. Values are:

- `HOUR`
- `DAY`
- `MONTH`
- `QUARTER`
- `YEAR`

If unspecified, no time range is applied.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: ConnectApi.CdpQueryOutput

queryProfileApi(dataModelName, filters, fields, batchSize, offset, orderby)

Query a Profile data model object using filters.

API Version

52.0

Requires Chatter

```
Integer batchSize, Integer offset, String orderby)
```

Parameters

dataModelName

> Type: String

> Name of the data model object, for example, `UnifiedIndividual__dlm`.

filters

> Type: String

> Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`.

fields

> Type: String

> Comma-separated list of up to 50 field names that you want to include in the result, for example, `Id__c,FirstName__c,GenderId__c,Occupation__c`. If unspecified, `Id__c` is returned.

batchSize

> Type: Integer

> Number of items to return. Values are from 1–4,999. If unspecified, the default value is `100`.

offset

> Type: Integer

> Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

> Type: String

> Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

Return Value

Type: ConnectApi.CdpQueryOutput

queryProfileApi(dataModelName, id, searchKey, filters, fields, batchSize, offset, orderby)

Query a Profile data model object using filters and a search key.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryProfileApi(String dataModelName, String id, String searchKey,
String filters, String fields, Integer batchSize, Integer offset, String orderby)
```

Parameters

dataModelName

> Type: String

Value of the primary or secondary key field, for example, `John`. If unspecified, defaults to the value of the primary key field.

searchKey

Type: String

If a field other than the primary key is used, name of the key field, for example, `FirstName__c`.

filters

Type: String

Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`.

fields

Type: String

Comma-separated list of up to 50 field names that you want to include in the result, for example, `Id__c,FirstName__c,GenderId__c,Occupation__c`. If unspecified, `Id__c` is returned.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `100`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

Return Value

Type: ConnectApi.CdpQueryOutput

queryProfileApi(dataModelName, id, childDataModelName, searchKey, filters, fields, batchSize, offset, orderby)

Query a Profile data model object and a child object using filters and a search key.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryProfileApi(String dataModelName, String id, String
childDataModelName, String searchKey, String filters, String fields, Integer batchSize, Integer offset, String
orderby)
```

Parameters

dataModelName

Type: String

Value of the primary or secondary key field, for example, `John`. If unspecified, defaults to the value of the primary key field.

childDataModelName

Type: String

Name of the child data model object, for example, `UnifiedContactPointEmail__dlm`.

searchKey

Type: String

If a field other than the primary key is used, name of the key field, for example, `FirstName__c`.

filters

Type: String

Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`. Filters are applied to the parent object only.

fields

Type: String

Comma-separated list of child object field names that you want to include in the result, for example, `Id__c,EmailAddress__c`. If unspecified, the first 10 alphabetically sorted fields are returned.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `100`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

Return Value

Type: ConnectApi.CdpQueryOutput

queryProfileApi(dataModelName, id, ciName, searchKey, dimensions, measures, filters, fields, batchSize, offset, orderby)

Query a Profile data model object and a Calculated Insight object using filters and a search key.

API Version

52.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryProfileApi(String dataModelName, String id, String ciName, String
searchKey, String dimensions, String measures, String filters, String fields, Integer batchSize, Integer
```

Type: String

Name of the data model object, for example, `UnifiedIndividual__dlm`.

id

Type: String

Value of the primary or secondary key field, for example, `John`. If unspecified, defaults to the value of the primary key field.

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

searchKey

Type: String

If a field other than the primary key is used, name of the key field, for example, `FirstName__c`.

dimensions

Type: String

Comma-separated list of up to 10 dimensions, such as `GenderId__c`, to project. If unspecified, this parameter includes all of the available dimensions.

measures

Type: String

Comma-separated list of up to 5 measures, such as `TotalSales__c`, to project. If unspecified, this parameter includes all of the available measures.

filters

Type: String

Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`.

fields

Type: String

Comma-separated list of up to 50 field names that you want to include in the result, for example, `Id__c,FirstName__c,GenderId__c,Occupation__c`. If unspecified, `Id__c` is returned.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `100`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

Return Value

Type: ConnectApi.CdpQueryOutput

range.

API Version

54.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryProfileApi(String dataModelName, String id, String ciName, String
searchKey, String dimensions, String measures, String filters, String fields, Integer batchSize, Integer
offset, String orderby, String timeGranularity)
```

Parameters

dataModelName

Type: String

Name of the data model object, for example, `UnifiedIndividual__dlm`.

id

Type: String

Value of the primary or secondary key field, for example, `John`. If unspecified, defaults to the value of the
primary key field.

ciName

Type: String

Name of the Calculated Insight object, for example, `IndividualChildrenCount__cio`.

searchKey

Type: String

If a field other than the primary key is used, name of the key field, for example, `FirstName__c`.

dimensions

Type: String

Comma-separated list of up to 10 dimensions, such as `GenderId__c`, to project. If unspecified, this
parameter includes all of the available dimensions.

measures

Type: String

Comma-separated list of up to 5 measures, such as `TotalSales__c`, to project. If unspecified, this
parameter includes all of the available measures.

filters

Type: String

Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`.

fields

Type: String

Comma-separated list of up to 50 field names that you want to include in the result, for example,
`Id__c,FirstName__c,GenderId__c,Occupation__c`. If unspecified, `Id__c` is returned.

batchSize

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

timeGranularity

Type: String

Time range for the measures. Values are:

- `HOUR`
- `DAY`
- `MONTH`
- `QUARTER`
- `YEAR`

If unspecified, no time range is applied.

Return Value

Type: ConnectApi.CdpQueryOutput

queryProfileApi(dataModelName, id, ciName, searchKey, dimensions, measures, filters, fields, batchSize, offset, orderby, timeGranularity, dataspace)

Query a Profile data model object and a Calculated Insight object using filters, a search key, a time range, and a data space.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryOutput queryProfileApi(String dataModelName, String id, String ciName, String searchKey, String dimensions, String measures, String filters, String fields, Integer batchSize, Integer offset, String orderby, String timeGranularity, String dataspace)
```

Parameters

dataModelName

Type: String

Name of the data model object, for example, `UnifiedIndividual__dlm`.

id

Type: String

Value of the primary or secondary key field, for example, `John`. If unspecified, defaults to the value of the primary key field.

searchKey

Type: String

If a field other than the primary key is used, name of the key field, for example, `FirstName__c`.

dimensions

Type: String

Comma-separated list of up to 10 dimensions, such as `GenderId__c`, to project. If unspecified, this parameter includes all of the available dimensions.

measures

Type: String

Comma-separated list of up to 5 measures, such as `TotalSales__c`, to project. If unspecified, this parameter includes all of the available measures.

filters

Type: String

Comma-separated list of equality expressions within square brackets, for example, `[FirstName__c=DON]`.

fields

Type: String

Comma-separated list of up to 50 field names that you want to include in the result, for example, `Id__c,FirstName__c,GenderId__c,Occupation__c`. If unspecified, `Id__c` is returned.

batchSize

Type: Integer

Number of items to return. Values are from 1–4,999. If unspecified, the default value is `100`.

offset

Type: Integer

Number of rows to skip before returning results. If unspecified, no rows are skipped.

orderby

Type: String

Sort order for the result set, such as `GenderId__c ASC,Occupation__c DESC`. If unspecified, items are returned in the order they are retrieved.

timeGranularity

Type: String

Time range for the measures. Values are:

- `HOUR`
- `DAY`
- `MONTH`
- `QUARTER`
- `YEAR`

If unspecified, no time range is applied.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

universalIdLookupBySourceId(entityName, dataSourceId, dataSourceObjectId, sourceRecordId)

Look up objects by source ID.

API Version

54.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryDataOutput universalIdLookupBySourceId(String entityName, String dataSourceId, String dataSourceObjectId, String sourceRecordId)
```

Parameters

entityName

Type: String

Entity name.

dataSourceId

Type: String

Data source ID.

dataSourceObjectId

Type: String

Data source object ID.

sourceRecordId

Type: String

Source record ID.

Return Value

Type: `ConnectApi.CdpQueryDataOutput`

universalIdLookupBySourceId(entityName, dataSourceId, dataSourceObjectId, sourceRecordId, dataspace)

Look up objects by source ID and specify the data space.

API Version

57.0

Requires Chatter

No

Signature

```
public static ConnectApi.CdpQueryDataOutput universalIdLookupBySourceId(String entityName, String dataSourceId, String dataSourceObjectId, String sourceRecordId, String dataspace)
```

Parameters

dataSourceId

Type: String

Data source ID.

dataSourceObjectId

Type: String

Data source object ID.

sourceRecordId

Type: String

Source record ID.

dataspace

Type: String

Name of the data space to query. If unspecified, the `default` data space is used.

Return Value

Type: `ConnectApi.CdpQueryDataOutput`