

Infusionsoft ERP Querying

Last Modified on 02/26/2021 9:27 am EST

The Open Connectors Query Language (OCNQL) provides a standard way to search across all of our connectors. Rather than having users research how to query each resource at a provider, we've normalized your search experience. SAP Open Connectors translates your queries to the API provider's search syntax. OCNQL represents the "where" portion of a typical query that can include many other components like field selection, sorting, and pagination. For more details on Querying, see [Querying with OCNQL](#).

To determine whether where clause is supported for an object, you can make an API call to

`object/{objectName}/metadata` while providing the Connector version and check for "filterable"="true".

Use OCNQL to query the following endpoints:

- GET /accounts
- GET /bulk/jobs
- GET /contacts
- GET /{objectName}
- GET /{objectName}/{objectId}/{childObjectName}
- GET /leads
- GET /notes
- GET /opportunities
- GET /users

We use the vendor's [DataService.query](#) for most of the GET calls, since there is no GET or GETById directly exposed as APIs or webservice. For [DataService.query](#), the table columns (field names) need to be passed to vendor in body. Users connecting to Infusionsoft ERP from SAP can use OCNQL to query the object.

Below is the comparison of vendor vs. OCNQL operators:

Vendor Operator	SAP Operator
~<>~	!=
=	=
~>~	>
~<~	<
~<=~	<=
~>=~	>=
~null~	IS NULL

However, `objects/{objectName}/metadata` has ready info regarding querying.

The screenshot shows a REST client interface for a GET request to `/objects/{objectName}/metadata`. The parameters section includes:

- Authorization** (required): string (header) with a value starting with `Bearer`.
- objectName** (required): string (path) with the value `sales-orders`.
- Elements-Version**: string (header) with a dropdown menu set to `Helium`.

The request is executed, and the response body is shown as a JSON object:

```

{
  "type": "string",
  "path": "ContactId",
  "vendorPath": "ContactId",
  "vendorNativeType": "string",
  "filterable": true,
  "filterableOperators": [
    "=",
    "!=",
    "<",
    "<=",
    ">=",
    ">"
  ]
}

```

In the above image, we are making a call to `GET/ objects/{sales-orders}/metadata` and we can see the filterable operators and the path which is the field to filter by.

Note: The reference fields can be found here: <https://developer.infusionsoft.com/docs/table-schema/>. Since there is no API method at the moment that can retrieve the table, SAP stores these fields and passes them to the vendor; without them, the vendor would not give back the necessary fields as a response.