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# Master Data Retrieval API for Procurement

**SAP Ariba APIs**

**SAP Ariba Developer Portal**

**SAP Ariba Buying**

**SAP Ariba Buying and Invoicing**

**SAP Ariba Invoice Management**



# Content

- Master Data Retrieval API for Procurement. . . . . 3**
- About the Master Data Retrieval API for Procurement. . . . . 4**
  - Workflow for the Master Data Retrieval API for Procurement. . . . . 4
  - Retrieving Master Data Using Master Data Retrieval API for Procurement. . . . . 5
  - Use of the Master Data Retrieval API for Procurement. . . . . 7
  - Master Data Entities Supported by the Master Data Retrieval API for Procurement. . . . . 10
  - Error Messages Returned by the Master Data Retrieval API for Procurement. . . . . 14
  - Version History of the Master Data Retrieval API for Procurement. . . . . 19
  - API-Specific Disclaimers and Legal Information. . . . . 19
  - Important Disclaimers and Legal Information. . . . . 19

# Master Data Retrieval API for Procurement

This guide is for a developer seeking to use the Master Data Retrieval API for Procurement to retrieve stored master data.

Developers can create a client application on the SAP Ariba Developer Portal to retrieve the audit data from the audit service synchronously or asynchronously, filter the data, and download it.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal
- SAP Ariba Buying and Invoicing
- SAP Ariba Buying
- SAP Ariba Invoice Management

# About the Master Data Retrieval API for Procurement

SAP Ariba solutions store master data loaded from external systems in the master data service. This feature introduces the Master Data Retrieval API to retrieve the stored master data. Customers can create a client application on the SAP Ariba Developer Portal to filter the master data and download it.

This API includes the following endpoints:

|                                           |                                                                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GET /entityTypes</b>                   | This endpoint retrieves a list of all available master data entities in a site. The locale and realm for which master data needs to be retrieved are passed as header parameters. |
| <b>GET /entityTypes/{EntityName}</b>      | This endpoint retrieves the metadata of the specified master data entity. It returns a JSON schema representing the metadata of the entity.                                       |
| <b>GET /entities/{EntityName}</b>         | This endpoint retrieves details related to the specified master data entity.                                                                                                      |
| <b>GET /entities/{EntityName}/\$count</b> | This endpoint retrieves the number of records corresponding to the specified master data entity.                                                                                  |

## Workflow for the Master Data Retrieval API for Procurement

The workflow for the Master Data Retrieval API includes the following high-level steps.

1. The master data service stores the master data imported from external systems in the master data service database.
2. The client application posts a request for retrieving all available master data entities, passing the locale and the realm for which the master data entities need to be retrieved in the request header.
3. Optional. The client application requests the metadata of a master data entity, specifying the desired filter.
4. The client requests the master data details related to a master data entity, specifying the unique name of the entity and the filter criteria specified in the OData format.
5. Optional. The client requests the count of the specified master data entity, specifying the unique name and the filter criteria specified in the OData format.

# Retrieving Master Data Using Master Data Retrieval API for Procurement

Use this procedure to retrieve master data using Master Data Retrieval API for Procurement.

## Context

The following steps describe the process to retrieve master data using the Master Data Retrieval API for Procurement.

### Note

In the sample URLs in this topic, replace `{{runtime_url}}` with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

## Procedure

1. The client application submits the request for a list of all master data entities, using the `GET /entityTypes` endpoint, specifying the locale and the site, for which the master data entities need to be retrieved, in the request header.

```
GET {{runtime_url}}/entityTypes
```

|                          |                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accept - Language</b> | The locale of the site for which the master data entities need to be retrieved. The default locale is <code>en</code> . Two locales can be specified as comma separated values. The second locale corresponds to the fallback locale. |
| <b>X-Realm</b>           | The site for which the master data entities need to be retrieved. The realm name specified for this parameter must match one of the realms configured for the customer organization on the SAP Ariba Developer Portal.                |

The response contains a list of master data entities.

2. Optional. The client application requests the metadata of the specified master data entity using the `GET /entityTypes/{EntityName}` endpoint.

```
GET {{runtime_url}}/entityTypes/{EntityName}
```

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| <b>\$EntityName</b> | The name of the master data entity for which metadata is to be retrieved. |
|---------------------|---------------------------------------------------------------------------|

This request returns a JSON response with a schema representing the metadata of the specified master data entity.

- The client application requests the details related to the specified master data entity using the GET / entities/{EntityName} endpoint.

```
GET {{runtime_url}}/entities/{EntityName}?
$select={field1,field2,field3,...}&$expand={field}&$filter={filter}&orderBy={field}&$skip={skip}&$top={top}
```

|                            |                                                                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>\$EntityName</b>        | The name of the master data entity for which master data details need to be retrieved.                                                                                                                                                                                                     |
| <b>\$select</b>            | The fields needed in the output. Multiple fields can be specified as comma separated values.                                                                                                                                                                                               |
| <b>\$expand</b>            | The entities to be expanded. Multiple entities can be specified as comma separated values. Expansion is supported only at the first level of association. For one-to-one associations, all direct fields will be expanded. For one-to-many associations, only key fields will be expanded. |
| <b>\$filter</b>            | The OData filter criteria to identify the details to retrieve for the specified master data entity. The filter supports the use of all the fields supported in \$select, in the query.                                                                                                     |
| <b>\$top</b>               | The number of records to be returned in the response.                                                                                                                                                                                                                                      |
| <b>\$skip</b>              | The number of records to be skipped from the beginning of the search results.                                                                                                                                                                                                              |
| <b>\$orderby</b>           | The field of the master data entity, based on which the results will be ordered.                                                                                                                                                                                                           |
| <b>\$includeInactive</b>   | Includes all the inactive records also in the output. The default value is false.                                                                                                                                                                                                          |
| <b>\$includeFlexFields</b> | Includes all the flex fields in the output. The default value is false.                                                                                                                                                                                                                    |
| <b>\$count</b>             | Includes count in the output along with data, if set to true.                                                                                                                                                                                                                              |
| <b>\$includeNullValues</b> | Includes attributes in the response, even if those attributes do not have values.                                                                                                                                                                                                          |

- The client application requests the number of records corresponding to the specified master data entity using the GET / entities/{EntityName}/\$count endpoint.

```
GET {{runtime_url}}/entities/{EntityName}/$count?
$select={field1,field2,field3,...}&$expand={field}&$filter={filter}&orderBy={field}&$skip={skip}&$top={top}
```

|                     |                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>\$EntityName</b> | The name of the master data entity for which master data details need to be retrieved.                                                                                                                                                                                                     |
| <b>\$select</b>     | The fields needed in the output. Multiple fields can be specified as comma separated values.                                                                                                                                                                                               |
| <b>\$expand</b>     | The entities to be expanded. Multiple entities can be specified as comma separated values. Expansion is supported only at the first level of association. For one-to-one associations, all direct fields will be expanded. For one-to-many associations, only key fields will be expanded. |
| <b>\$filter</b>     | The OData filter criteria to identify the details to retrieve for the specified master data entity. The filter supports the use of all the fields supported in \$select, in the query.                                                                                                     |
| <b>\$top</b>        | The number of records to be returned in the response.                                                                                                                                                                                                                                      |

|                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| <b>\$skip</b>              | The number of records to be skipped from the beginning of the search results.     |
| <b>\$orderby</b>           | The field of the master data entity, based on which the results will be ordered.  |
| <b>\$includeInactive</b>   | Includes all the inactive records also in the output. The default value is false. |
| <b>\$includeFlexFields</b> | Includes all the flex fields in the output. The default value is false.           |
| <b>\$count</b>             | Includes count in the output along with data, if set to true.                     |
| <b>\$includeNullValues</b> | Includes attributes in the response, even if those attributes do not have values. |

## Use of the Master Data Retrieval API for Procurement

This topic describes some common use case and scenarios in which the Master Data Retrieval API is used.

### Identifying the Master Data Entities Supported by the Master Data Retrieval API

You use the GET `/entityTypes` endpoint to identify all the master data entities supported by the Master Data Retrieval API that are available on your site.

Sample response:

```
[
  ...
  {
    "EntityName": "users",
    "Name": "User"
  },
  ...
]
```

Use the `EntityName` received in the response to search for a particular master data entity. The response lists all the available custom master data (flex master data that your SAP Ariba representative configures for you) entities also.

For more information, see [Master Data Entities Supported by the Master Data Retrieval API for Procurement \[page 10\]](#).

### Retrieving the Fields and Their Metadata, for a Specific Entity

You use the GET `entityTypes/users` endpoint to retrieve the fields in a specific master data entity along with their metadata. This includes custom or flex fields.

Sample response:

```
{
```

```

"properties": {
  "ChildRealmShipTo": {
    "isRef": true,
    "isNullable": true,
    "type": "object",
    "externalRef": "https://openapi.ariba.com/api/mds/v1/prod/entityTypes/addresses"
  },
  "Groups": {
    "isRef": true,
    "isVector": true, ## Can be used in expand.
    "type": "array",
    "items": {
      "type": "object",
      "externalRef": "https://openapi.ariba.com/api/mds/v1/prod/entityTypes/groups"
    }
  }
}

```

## Using the User Filter with Multiple Users

### Search with data only

Sample query filter:

```

GET entities/users?$filter=((UniqueName eq 'cnoll' and PasswordAdapter eq 'PasswordAdapter1')
or (UniqueName eq 'dcooler' and PasswordAdapter eq 'PasswordAdapter1'))
&$orderby=UniqueName,PasswordAdapter&$expand=Groups

```

### Search with count and data

Sample query filter:

```

GET entities/users?$filter=((UniqueName eq 'cnoll' and PasswordAdapter eq 'PasswordAdapter1')
or (UniqueName eq 'dcooler' and PasswordAdapter eq 'PasswordAdapter1'))
&$orderby=UniqueName,PasswordAdapter&$expand=Groups&$count=true

```

### Search with count only

Sample query filter:

```

GET entities/users/$count?$filter=((UniqueName eq 'cnoll' and PasswordAdapter eq 'PasswordAdapter1')
or (UniqueName eq 'dcooler' and PasswordAdapter eq 'PasswordAdapter1'))
&$orderby=UniqueName,PasswordAdapter

```

## Using pagination

Sample query filter:

```

GET entities/users?$top=10&$skip=5&$orderby=UniqueName

```

## Listing all the fields (with or without values)

Sample query filter:

```
GET entities/users?$includeNullValues=true
```

## Querying for Custom or Flex Fields

### Find the list of flex fields from a metadata search for a specific entity

The following example is for the costcenters master data entity.

Sample query:

```
GET entityTypes/costcenters
```

Sample response:

```
{
  "properties": {
    "TimeCreated": {
      "type": "date-time",
    },
    "baseId": {
      "TextLength": 25,
      "type": "string",
    },
    "cus_testStr1": {
      "isCustomField": true, ## This value indicates that this is a custom/
flex field for this entity and customer.
      "isVariantField": true,
    },
  },
}
```

### Use the flex field name from the metadata query response in search queries

The following example uses the cus\_testStr1 flex field from the example in the preceding section.

Sample query:

```
GET /entities/costcenters?$select=cus_testStr1&$filter=UniqueName eq '2-1000'
```

Sample response:

```
[
  {
    "cus_testStr1": "Test value",
    "PartitionNumber": "5055",
    "SystemId": "AN02000025540",
    "UniqueName": "2-1000",
    "CompanyCode": "2000"
  }
]
```

## Related Information

[Retrieving Master Data Using Master Data Retrieval API for Procurement \[page 5\]](#)

# Master Data Entities Supported by the Master Data Retrieval API for Procurement

The following table lists the master data entities supported by the Master Data Retrieval API.

The variant of the procurement solution for which support is available is indicated.

| <b>SAP Ariba<br/>ClassName</b>             | <b>Master data entity</b>  | <b>API lookup name</b>    | <b>SAP variant</b> | <b>Generic variant</b> | <b>PeopleSoft variant</b> |
|--------------------------------------------|----------------------------|---------------------------|--------------------|------------------------|---------------------------|
| ariba.user.core.User                       | User                       | users                     | X                  | X                      | X                         |
| ariba.user.core.Group                      | Group                      | groups                    | X                  | X                      | X                         |
| ariba.basic.core.UnitOfMeasure             | UnitOfMeasure              | uoms                      | X                  | X                      | X                         |
| ariba.basic.core.LocaleID                  | LocaleID                   | localeids                 | X                  | X                      | X                         |
| ariba.common.core.IncoTerm                 | IncoTerms                  | incoterms                 | X                  | X                      | X                         |
| ariba.basic.core.ClassificationCodeMap     | ClassificationCode Map     | classificationcodemap     | X                  | X                      | X                         |
| ariba.basic.core.Currency                  | Currency                   | currency                  | X                  | X                      | X                         |
| ariba.basic.core.CurrencyConversionRate    | CurrencyConversionRate     | currencyconversionrate    | X                  | X                      | X                         |
| ariba.basic.core.CommodityCode             | CommodityCode              | commoditycodes            | X                  | X                      | X                         |
| ariba.basic.core.Country                   | Country                    | countries                 | X                  | X                      | X                         |
| ariba.base.core.Language                   | Language                   | languages                 | X                  | X                      | X                         |
| ariba.common.core.PartitionedCommodityCode | Partitioned Commodity Code | partitionedcommoditycodes | X                  | X                      | X                         |

| SAP Ariba<br>ClassName                | Master data entity | API lookup name   | SAP variant | Generic variant | PeopleSoft variant |
|---------------------------------------|--------------------|-------------------|-------------|-----------------|--------------------|
| nedCommodityCode                      |                    |                   |             |                 |                    |
| ariba.payment.core.BankAccountType    | BankAccountType    | bankaccounttype   | X           | X               | X                  |
| ariba.common.core.SupplierLocation    | Supplier Location  | supplierloc       | X           | X               | X                  |
| ariba.payment.core.RemittanceLocation | RemittanceLocation | remittanceloc     | X           | X               | X                  |
| ariba.payment.core.BankIDType         | BankIDType         | bankidtype        | X           | X               | X                  |
| ariba.payment.core.BankAccountIDType  | BankAccountIDType  | bankaccountidtype | X           | X               | X                  |
| ariba.common.core.Supplier            | Supplier           | suppliers         | X           | X               | X                  |
| ariba.common.core.CommonSupplier      | Common Supplier    | commonsuppliers   | X           | X               | X                  |
| ariba.tax.core.TaxCode                | TaxCode            | taxcodes          | X           | X               | X                  |
| ariba.common.core.ProcurementUnit     | ProcurementUnit    | procurementunits  | X           | X               | X                  |
| ariba.core.Account                    | Account            | accounts          | X           | X               | X                  |
| ariba.common.core.AccountType         | Account Type       | accounttypes      | X           | X               | X                  |
| ariba.payment.core.PaymentMethodType  | PaymentMethodType  | paymentmethodtype | X           | X               | X                  |
| ariba.common.core.Address             | Address            | addresses         | X           | X               | X                  |
| ariba.payment.core.PaymentTerms       | PaymentTerms       | paymentterms      | X           | X               | X                  |

| <b>SAP Ariba<br/>ClassName</b>            | <b>Master data entity</b> | <b>API lookup name</b>  | <b>SAP variant</b> | <b>Generic variant</b> | <b>PeopleSoft variant</b> |
|-------------------------------------------|---------------------------|-------------------------|--------------------|------------------------|---------------------------|
| ariba.core.CostCenter                     | CostCenter                | costcenters             | X                  | X                      |                           |
| ariba.common.core.CommodityExportMapEntry | CommodityExportMapEntry   | commodityexportmapentry | X                  | X                      | X                         |
| ariba.core.InternalOrder                  | InternalOrder             | internalorders          | X                  |                        |                           |
| ariba.procure.core.ChargeType             | ChargeType                | chargetype              | X                  |                        |                           |
| ariba.core.WBSElement                     | WBSElement                | wbselements             | X                  |                        |                           |
| ariba.core.GeneralLedger                  | GeneralLedger             | generalledgers          | X                  |                        |                           |
| ariba.core.Asset                          | Asset                     | assets                  | X                  |                        |                           |
| ariba.core.ItemCategory                   | ItemCategory              | itemcategory            | X                  |                        |                           |
| ariba.core.CompanyCode                    | CompanyCode               | companycodes            | X                  |                        |                           |
| ariba.core.GLIndicator                    | GLIndicator               | glindicator             | X                  |                        |                           |
| ariba.core.PurchaseGroup                  | PurchaseGroup             | purchasegroups          |                    |                        |                           |
| ariba.core.PurchaseOrg                    | PurchaseOrg               | purchseorgs             | X                  |                        |                           |
| ariba.core.AccountCategory                | AccountCategory           | accountcategories       | X                  |                        |                           |
| ariba.core.PlantPurchaseOrgCombo          | PlantPurchaseOrgCombo     | plantpurchaseorgcombo   | X                  |                        |                           |
| ariba.core.Region                         | Region                    | regions                 |                    | X                      |                           |
| ariba.procure.core.ChargeType             | ChargeType                | chargetype              |                    | X                      | X                         |
| ariba.core.Company                        | Company                   | companies               |                    | X                      |                           |

| <b>SAP Ariba<br/>ClassName</b>                 | <b>Master data entity</b> | <b>API lookup name</b>  | <b>SAP variant</b> | <b>Generic variant</b> | <b>PeopleSoft variant</b> |
|------------------------------------------------|---------------------------|-------------------------|--------------------|------------------------|---------------------------|
| ariba.core.BusinessUnit                        | BusinessUnit              | businessunits           |                    | X                      | X                         |
| ariba.core.SubAccount                          | SubAccount                | subaccounts             |                    | X                      |                           |
| ariba.core.Product                             | Product                   | products                |                    | X                      | X                         |
| ariba.core.Project                             | Project                   | projects                |                    | X                      | X                         |
| ariba.core.Department                          | Department                | departments             |                    |                        | X                         |
| ariba.core.SetId                               | SetId                     | setids                  |                    |                        | X                         |
| ariba.core.GLBusinessUnit                      | GLBusinessUnit            | glbusinessunits         |                    |                        | X                         |
| ariba.core.StatisticsCode                      | StatisticsCode            | statisticscodes         |                    |                        | X                         |
| ariba.collaborate.basic.PreferredSupplierLevel | PreferredSupplierLevel    | preferredsupplierlevels |                    |                        |                           |
| ariba.collaborate.basic.SegmentationLevel      | SegmentationLevel         | segmentationlevels      |                    |                        |                           |
| ariba.collaborate.basic.Department             | Department                | s4departments           |                    |                        |                           |
| ariba.collaborate.basic.Region                 | Region                    | s4regions               |                    |                        |                           |

# Error Messages Returned by the Master Data Retrieval API for Procurement

Use this information to troubleshoot your queries to the Master Data Retrieval API.

## List of Error Messages

| Error Message                                                                                                                                                   | Description                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The following fields are not valid in select: {0}.                                                                                                              | One or more of the fields in the <b>\$select</b> or <b>\$filter</b> parameters are not valid.                                                                |
| The following fields are not valid in filter: {0}.                                                                                                              |                                                                                                                                                              |
| The following fields are either not valid or not expandable: {0}.                                                                                               | One or more of the fields in the <b>\$expand</b> parameter are not valid or are not expandable.                                                              |
| Incorrect Parameters in the OData Query.                                                                                                                        | One or more of the parameters in the OData query are incorrect. See the server logs for more information about the incorrect parameters.                     |
| Some fields in the select have exceeded the highest permitted level of hierarchy levels: 4. The fields exceeding the level are: {0}. Only 4 levels are allowed. | One or more of the fields in the select have more than the permitted maximum limit of hierarchy levels, which is 4.                                          |
| The realm is not available in 2LO token.                                                                                                                        | The 2LO token does not contain information about the realm for which the master data search is done.                                                         |
| The SAP Business Network ID is not available in the 2LO token.                                                                                                  | The 2LO token does not contain the SAP Business Network ID of the realm for which the master data search is done.                                            |
| The product is not available in the 2LO token                                                                                                                   | The 2LO token does not contain information about the product for which the master data search is done.                                                       |
| The system is not available in custom_attributes in the 3LO token.                                                                                              | The 3LO token does not contain information about the system for which the master data search is done, in <b>custom_attributes</b> .                          |
| Invalid X-System name in the request header. Valid values are buyer, s4, sourcing, or All.                                                                      | The value for <b>X-System</b> in the request header is not supported. It can have only <b>buyer</b> , <b>s4</b> , <b>sourcing</b> , or <b>All</b> as values. |
| The realm is not available in custom_attributes or uniq_attr2 in the 3LO token.                                                                                 | The 3LO token does not contain information about the realm on which the master data search is done, in <b>custom_attributes</b> or <b>uniq_attr2</b> .       |
| Unsupported X-Header in the query. X-Realm is the only supported header.                                                                                        | The query contains one or more unsupported X-Headers. The only supported header is <b>X-Realm</b> .                                                          |

| Error Message                                                          | Description                                                                                                                                            |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| anId is not available in custom_attributes in the 3LO token            | The 3LO token does not contain the SAP Business Network ID corresponding to the system for which the master data search is done, in custom_attributes. |
| You are not authorized to access the data for the following realm :{0} | The specified realm is not one of the realms configured for the organization on the SAP Ariba Developer Portal.                                        |
| Invalid entity specified in the request : {0}                          | One or more of the parameters in the OData query are incorrect. See the server logs for more information about the incorrect parameters.               |
| The value for \$top must be between 1 and 10000.                       | The value for \$top must be an integer. The maximum value that can be specified is 10000 and the minimum is 1.                                         |
| Unsupported data type in the value for \$top.                          | The value for \$top must be an integer. String values are not supported.                                                                               |
| The value for \$skip cannot be negative.                               | The value for \$skip must be an integer. It cannot have a negative value.                                                                              |
| Unsupported data type in the value for \$skip.                         | The value for \$skip must be an integer. String values are not supported.                                                                              |
| Invalid value in the \$count parameter. It can only be true or false.  | The \$count query parameter takes a Boolean value. The value can only be either true or false.                                                         |
| The following parameter in the request is invalid: {0}                 | The request contains a parameter that is not supported.                                                                                                |
| Invalid value specified for \$orderby.                                 | The value specified for \$orderby is invalid. It can only be desc or asc.                                                                              |
| More than two locales cannot be specified in the header.               | The Accept_Locale header parameter can be used to specify only two comma-separated locale values.                                                      |
| \$orderby must be specified along with \$top or \$skip.                | The \$orderby is a required parameter when you specify the \$top or \$skip pagination parameters.                                                      |
| Unsupported Operations in the OData Filter                             | One or more of the operations in the OData query are not supported.                                                                                    |
| Unsupported Methods in the OData Filter.                               | One or more of the methods in the OData query are not supported.                                                                                       |
| Internal Server Error                                                  | This indicates a system error such as memory or network issues. Contact your system administrator.                                                     |

## Error Messages Returned by the GET /entityTypes Query

| Error Code | Message    | Description                                          |
|------------|------------|------------------------------------------------------|
| 200        | Successful | This indicates that the HTTP request was successful. |

| Error Code | Message                | Description                                                                                                                                                                                                     |
|------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 201        | Created                | This indicates that the request was successful, and a new resource has been created.                                                                                                                            |
| 204        | No Content             | This indicates that the server has successfully processed the request and is not returning any content.                                                                                                         |
| 400        | Bad Request            | This indicates that there is an issue with the request. For example, it could indicate an invalid entity specified in the request.                                                                              |
| 401        | Unauthorized           | This indicates that the authentication has failed. The user does not have valid authentication credentials for the target resource.                                                                             |
| 403        | Forbidden              | This indicates that the request contained valid data and the server recognized it, but the server did not respond because the client was not authorized.                                                        |
| 404        | Not Found              | This indicates that the requested resource could not be located as the URL is not recognized by the browser. This can also occur with an API if the endpoint is correct but the resource itself does not exist. |
| 405        | Method Not Allowed     | This indicates that the request method is not supported for the resource.                                                                                                                                       |
| 415        | Unsupported Media Type | This indicates that the requested entity has a media type that the server or resource does not support.                                                                                                         |
| 500        | Internal Server Error  | This indicates a system error such as memory or network issues. Contact your system administrator.                                                                                                              |
| 502        | Bad Gateway            | This indicates that the server was functioning as a gateway or proxy and received an invalid response from the upstream server.                                                                                 |
| 503        | Service Unavailable    | This indicates that the server is unable to process the request because it is overloaded or down for maintenance.                                                                                               |

## Error Messages Returned by the GET /entityTypes/{UniqueName} Query

| Error Code | Message                | Description                                                                                                                                                                                                     |
|------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 200        | Successful             | This indicates that the HTTP request was successful.                                                                                                                                                            |
| 201        | Created                | This indicates that the request was successful, and a new resource has been created.                                                                                                                            |
| 204        | No Content             | This indicates that the server has successfully processed the request and is not returning any content.                                                                                                         |
| 400        | Bad Request            | This indicates that there is an issue with the request. For example, it could indicate an invalid entity specified in the request.                                                                              |
| 401        | Unauthorized           | This indicates that the authentication has failed. The user does not have valid authentication credentials for the target resource.                                                                             |
| 403        | Forbidden              | This indicates that the request contained valid data and the server recognized it, but the server did not respond because the client was not authorized.                                                        |
| 404        | Not Found              | This indicates that the requested resource could not be located as the URL is not recognized by the browser. This can also occur with an API if the endpoint is correct but the resource itself does not exist. |
| 405        | Method Not Allowed     | This indicates that the request method is not supported for the resource.                                                                                                                                       |
| 415        | Unsupported Media Type | This indicates that the requested entity has a media type that the server or resource does not support.                                                                                                         |
| 500        | Internal Server Error  | This indicates a system error such as memory or network issues. Contact your system administrator.                                                                                                              |
| 502        | Bad Gateway            | This indicates that the server was functioning as a gateway or proxy and received an invalid response from the upstream server.                                                                                 |
| 503        | Service Unavailable    | This indicates that the server is unable to process the request because it is overloaded or down for maintenance.                                                                                               |

## Error Messages Returned by the GET /entities/{UniqueName} Query

| Error Code | Message                | Description                                                                                                                                                                                                     |
|------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 200        | Successful             | This indicates that the HTTP request was successful.                                                                                                                                                            |
| 201        | Created                | This indicates that the request was successful, and a new resource has been created.                                                                                                                            |
| 204        | No Content             | This indicates that the server has successfully processed the request and is not returning any content.                                                                                                         |
| 400        | Bad Request            | This indicates that there is an issue with the request. For example, it could indicate an invalid entity specified in the request.                                                                              |
| 401        | Unauthorized           | This indicates that the authentication has failed. The user does not have valid authentication credentials for the target resource.                                                                             |
| 403        | Forbidden              | This indicates that the request contained valid data and the server recognized it, but the server did not respond because the client was not authorized.                                                        |
| 404        | Not Found              | This indicates that the requested resource could not be located as the URL is not recognized by the browser. This can also occur with an API if the endpoint is correct but the resource itself does not exist. |
| 405        | Method Not Allowed     | This indicates that the request method is not supported for the resource.                                                                                                                                       |
| 415        | Unsupported Media Type | This indicates that the requested entity has a media type that the server or resource does not support.                                                                                                         |
| 500        | Internal Server Error  | This indicates a system error such as memory or network issues. Contact your system administrator.                                                                                                              |
| 502        | Bad Gateway            | This indicates that the server was functioning as a gateway or proxy and received an invalid response from the upstream server.                                                                                 |
| 503        | Service Unavailable    | This indicates that the server is unable to process the request because it is overloaded or down for maintenance.                                                                                               |

# Version History of the Master Data Retrieval API for Procurement

Please use the active version of the Master Data Retrieval API for Procurement.

| API Version | Status | As of Release |
|-------------|--------|---------------|
| 1           | Active | N/A           |

## Related Information

<https://help.sap.com/viewer/b61dd8c7e22c4fe489f191f66b4c48d6/cloud/en-US/792a3139e5c04f0cbbcbdd404506bc04.html>

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