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Master Data Integration Job Status API for Operational Procurement



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Master Data Integration Job Status API for Operational Procurement

This guide is for administrators seeking to use this REST API to monitor the status of master data native interface jobs.

Administrators can configure integration between SAP S/4HANA systems and SAP Ariba Procurement solutions to enable seamless transfer of master data.

This guide applies to:

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

About Master Data Integration Job Status API for Operational Procurement

SAP Ariba Procurement solutions use data from external systems as reference data. The SAP S/4HANA Cloud Public Edition and SAP Ariba Master Data Native Integration feature introduces seamless and end-to-end integration between SAP S/4HANA Cloud Public Edition and SAP Ariba Procurement solutions to transfer master data. If this feature is enabled, the SAP S/4HANA Cloud Public Edition system posts the master data to the Master Data Integration Service, which in turn pushes the data to SAP Ariba Procurement solutions.

In the default configuration, there was no way for the SAP S/4HANA system or for customers to track the status of the posted data. The SAP S/4HANA Cloud Public Edition and SAP Ariba master data native integration job status API allows a monitoring system to retrieve and report on the status of master data integration jobs. You can configure the API request to query on a job Id or on an object name. The response is in JSON format. If the master data integration job successfully posted the data to the buying solution from SAP Ariba, then the response includes the following details, among others: the number of records inserted, the number of records updated, and the number of records deleted. If there are any errors when the data is posted to the buying solution, the error details are included in the response.

Prerequisites

This API is designed for use with the SAP S/4HANA Cloud Public Edition and SAP Ariba Master Data Native Integration feature. As a prerequisite, this feature must be enabled in the buying solution from SAP Ariba to be able to use this API.

Accessing this API

This API is available as part of the SAP Ariba APIs. To access the API, the customer must be registered to use the SAP Ariba Developer Portal and the users on the developer portal must have created a client application and their production access request must be already pre-approved. The request for production access on the SAP Ariba Developer Portal triggers configuration of the parameters that enable the client application to access the API.

[Use of the SAP S/4HANA Cloud Public Edition and SAP Ariba Master Data Native Integration Job Status API \[page 5\]](#)

[Query Response Interpretation \[page 6\]](#)

Use of the SAP S/4HANA Cloud Public Edition and SAP Ariba Master Data Native Integration Job Status API

Message Format for Requests

The master data native integration job status API uses the JSON message format for API requests and responses.

API Request Format

The API request uses the following format:

```
GET /{api-version}/integrationJobs
```

Sample request URL:

```
{{runtime_url}}integrationJobs?tenantId=AN1111111111&objectName=Incoterms
```

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.

Request URL Parameters

Parameter Name	Mandatory	Description
tenantId	Yes	The ANID of the site on which the API is being run.
jobId	No	The job ID of the master data integration job for which the status is to be retrieved.
objectName	No	The object name of the master data object for which the status is to be retrieved.

Note

Specifying one of either the `jobId` or the `objectName` is essential. If `jobId` is not specified then the API returns the most recently uploaded request status for the specified `objectName` and `tenantId`.

Query Response Interpretation

[Sample Master Data Integration Job Status Response \[page 6\]](#)

[Interpretation of the Master Data Integration Job Status Response \[page 6\]](#)

[Error Messages Returned by Master Data Integration Job Status API for Operational Procurement \[page 7\]](#)

Sample Master Data Integration Job Status Response

The following sample shows a response to a master data integration job status request:

Sample Code

```
{
  "StartDate": "2017-12-22 11:50:00.929",
  "Status": 1,
  "FatalErrors": "",
  "RecordsDeleted": 1,
  "RecordsUpdated": 1,
  "EndDate": "2017-12-22 11:50:02.233",
  "Warnings": "Referenced data of type ariba.core.Account not found. FieldName :
Account, Value : { UniqueName = 0000474230;}\n",
  "NonFatalExceptions": "",
  "RecordsInserted": 1
}
```

Interpretation of the Master Data Integration Job Status Response

The master data integration job status response can be interpreted as follows:

- Errors, exceptions, and warnings are returned in the `FatalErrors`, `NonFatalExceptions`, and `Warnings` fields, respectively.
- The count of records inserted, updated, and deleted are returned in the `RecordsInserted`, `RecordsUpdated`, and `RecordsDeleted` fields, respectively.
- The `Status` field indicates one of the following statuses:
 - If `Status = 0`, then it is unprocessed.
 - If `Status = 1`, then it is processed.

Error Messages Returned by Master Data Integration Job Status API for Operational Procurement

When there is an issue with the master data native integration job, a JSON response containing one of the following HTTP response codes is returned to explain what the issue was.

Error Code	Message	Description
400	The API key passed in the request is not valid.	The API key passed in the query headers does not match the API key in the OAuth token.
401	Unauthorized	Authentication failure.
500	Internal Server Error.	Reports server errors that occurred during request processing. For example, exceptions encountered during JSON generation.
429	Rate limit error	You have exceeded the maximum permitted query rate. Refer to the developer portal discovery page for this API for the applicable query rates.
504	Gateway Time-out	The server timeout time has been exceeded, possibly due to network traffic or reliability issues. Retry your query.

Version History for the Master Data Integration Job Status API for Operational Procurement

API version	Status	As of release
v1	Deprecated	August 2023

Related Information

[API versioning and deprecation on the developer portal](#)

API-Specific Disclaimers and Legal Information

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