



Feature at a Glance

Integration Monitoring API for Procurement and Strategic Sourcing

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Target GA: August, 2018

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Feature at a Glance

Introducing: Integration Monitoring API for Procurement and Strategic Sourcing

Ease of implementation

Low touch / simple

Geographic relevance

Global

Customer challenge

The data integration options that are currently available in SAP Ariba applications, allows customers to import or export master and transaction data, to and from their ERP system. The only way customers can determine the status of the integration job runs, is by directly logging into the SAP Ariba solution and viewing the details for the specific import or export task (or) by checking the email notifications they receive through the Integration Toolkit/ Data Transfer Tool setup. These options are not scalable for customers.

Solution area

This feature applies to:

- SAP Ariba Strategic Procurement solutions
- SAP Ariba Operational Procurement solutions

Meet that challenge with SAP Ariba

The introduction of this feature, will enable customers to call the Integration monitoring API URL, from their third party systems , which will return the status of a particular integration event (i.e. A data import or export task).

Integration Monitoring API, is a RESTful API, that enables buyer organizations to retrieve the status of:

- Individual import and export file channel integration events
- Batch import integration events
- Transaction and Master Data

Implementation information

This feature is “off” by default. To enable this feature, please submit a Service Request to have this feature turned on for you.
Feature Name: ITK-Integration-Event-Status-Monitoring-V2-API

If the organization uses OAuth authentication, the customer should:

- Already be registered on the SAP Ariba developer portal
- Create a client application and request for production access on the SAP Ariba developer portal. Once approved, the client application can access the API.

Experience key benefits

The Integration Monitoring API returns the current running status of the specified event, (or) if the event is not currently running, the system returns details of the last run status of the specific event. This information is useful for customers to automate batch import /export jobs, schedule sequential runs and take follow-up action on failed integration runs.

Prerequisites and Limitations

Limitations:

The rate at which Integration monitoring API requests can be made is limited as follows:

Time	Max. Requests
Per second	1
Per minute	3
Per hour	50
Per day	1000

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Integration Monitoring API Authentication Mechanism

Authentication is performed using one of the following methods:

- Shared-secret-based authentication
- Certificate-based authentication
- OAuth authentication **

** OAuth authentication enables access to the Integration Monitoring APIs published on the SAP Ariba developer portal. Customer Support Administrator will need to follow additional steps to use the RESTful API with OAuth authentication.

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Integration Monitoring API Request and Response

The Integration event monitoring APIs uses the JSON message format for API requests and responses.

API Request Format:

GET /{api-version}/events/statusShared-secret-based authentication

API response Fields:

- Event Name
- Event Start Time
- Event End Time
- Event Status
- Records Created
- Records Updated
- Records Deleted
- Records Exported
- Unique Identifier key (i.e. The Unique Identifier key (UID), that is used to identify the specified Integration Event)
- Error Details
- Sub Event (It shows the event status of an individual event which is part of the batch event.)

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Use Case 1: Get status based on 'File Channel Event Name'

Customers can get the task status based on the File Channel Event Name.

API Request Input: eventname

The 'eventname' can be either the 'Event Display Name' (or) 'ITK Display Name' (or) 'Topic Name' .

The API returns:

- Current running status of the specified event (i.e. If the event is still in progress)
- In case the event is not currently running, the system returns details of the last run status of the specific event.

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Use Case 2: Get status of a 'File Channel Event' that ran in the past

Customers can get the task status of a file channel event that ran in the past, by sending the Unique Identifier key.

API Request Input: UID (Unique Identifier key)

The Unique Identifier key (UID) is used to identify the specified Integration Event

The API returns:

Current status of the specified Unique Identifier key, along with the detailed status information of the File Channel Event (i.e. Detailed Warning and error information, as displayed on the user interface).

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Use Case 3: Get summary information of 'Historical Event Runs'

Customers can get the task status of previous runs of the integration task.

API Request Input: eventname, histcount

The 'eventname' can be either the 'Event Display Name' (or) 'ITK Display Name' (or) 'Topic Name'.

The 'histcount' in request specifies the maximum number of historical count that can be fetched. The input value of histcount must be Integer value ($0 < \text{histcount} \leq 50$) and the event must have run in the last 6 months.

The API returns:

Summary of task run - If the Ariba System holds fewer historical records, the API will return the details of those previous runs only.

Note: The user can also query the API based on Unique Identifier returned in response to get additional details for the Historical run.