

Fetch Vendor Data and Questionnaire from Ariba

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Purpose

To fetch vendor data and Questionnaire from Ariba to SFTP

Integration Specification

Type of Integration (outbound or inbound)	Outbound
Data Source Entities	Ariba
Average Number of Records	
Maximum number of Records	
Processing Type	Request-Reply
Job Schedule	Will be schedule in SAP Cloud Integration
Data Description (xml, comma delimited etc...)	Xml
Target Location	SFTP

External Parameter

Name	Value	Description of Parameter
Full Load (true/false)	false	To run iflow in Full or Delta load
Tmp File Name	\${file:name}.tmp	For Temp file
OAuth Token URL	https://ariba.com/v2/oauth/token	Ariba Oath token URL
Time Stamp	1	
Enable Logging(True/ False)	false	For Attaching payload send value as true
Generate Questionnaire(tru e/false)	true	To generate questionnaire, send value as true
SFTPAddress		SFTP address
Timeout	10000	
Vendor Directory		SFTP Directory
Supplier Pagation URL	https://ariba.com/api/supplierdat apagination/v4/vendors/vendorId/ workspaces/questionnaires/qna/? realm	Ariba Supplier URL
ARIBA Address	https://ariba.com/v2/oauth/tok en	Ariba token URL
Questionnaire File Name		Questionnaire File Name
Realm ID		
Questionnaire Directory		Questionnaire Directory-where file will be placed
Time Out		
Timer		
Vendor Page Size	200	
Questionnaire Directory		Directory for Questionnaire
Authentication user_pass word		Credential of SFTP
Automatically Disconnect	1	
Handling Existing File Ignore		
Generate Vendor File(true/false)	true	Vendor file need to be generated send true
Starting Vendor Page	0	
File Name		

Scripting

Name	Description
getQueryParameter.groovy	This Script is used to set property for query parameter like-URL, Authorization, API key
getVendorNumber.groovy	This Script is used to get Vendor Number and set payload
setVendorPaginationToken.groovy	To set pagination token in property
Logging.groovy	Log Payload
readQuestionnaireDetails.groovy	This script is used to read Questionnaire Details
RemoveEmptyVendorIDs.groovy	Is used to remove empty vendor ID
retrieveToken.groovy	Is used to retrieve token
convertJsonToCSV.groovy	This will be used to convert Json to CSV structure

Endpoint Configuration

HTTP Receiver-getQuestionnaireHTTP

HTTP

General **Connection**

CONNECTION DETAILS

Address:*

https://ariba.com/api/supplierdatapagination/v4/prod.

Query:

realm= <Ariba Realm> &\$skip=\${property.skipVendor}&\$top=200\${property.P_VendorQue

Proxy Type:

Internet

Method:

POST

Authentication:

None

Timeout (in ms):

600000

SFTP Receiver (SFTP_Vendor)

SFTP

General **Target** Processing

FILE ACCESS PARAMETERS

Directory: <SFTP Directory>

File Name: <SFTP FileName>

Append Timestamp: ☒

CONNECTION PARAMETERS

Address:* <SFTP Address>

Proxy Type: Internet

Authentication: User Name/Password

SFTP Receiver (SFTP_Questionnaire)

SFTP

General **Target** Processing

FILE ACCESS PARAMETERS

Directory: <SFTP Directory>

File Name: <SFTP FileName>

Append Timestamp: ☒

CONNECTION PARAMETERS

Address:* <SFTP Address>

Proxy Type: Internet

Authentication: User Name/Password

HTTP Receiver (AribaPostCall)

HTTP

General

Connection

CONNECTION DETAILS

Address:

https://ariba.com/v2/oauth/token

Query:

Proxy Type:

Internet

Method:

POST

Authentication:

None

Timeout (in ms):

60000

HTTP Receiver (Ariba)

HTTP

General

Connection

CONNECTION DETAILS

Address:*

\${property.fetchURI}

Query:

realm= <Ariba Realm> &\$skip=\${property.pageToken}&\$top=1...

Proxy Type:

Internet

Method:

GET

Send Body:

☐

Authentication:

None

Timeout (in ms):

60000

Additional Details

- This iFlow extracts the entire content to CSV – For custom logic you can use the output content as your input for customized flow.
- iFlow can be modified to remove the vendor CSV if it is not required.

Limitations SAP Cloud Integration

- i) No standard mechanism to hold a process to handle API usage limits/minute. Workaround Implemented- Method `java.lang.Object.wait()` invoked via scripts.
- ii) SAP Cloud Integration HTTP adapter cannot be used directly for consumption of FileDownload API since it does a temporary redirect with an auto generated token on receiving an initial request to another URL.

Workaround Implemented – Custom RestClient was initialized via script and was used for consumption of the API.

Response – Error statusCode: 307 (Temporary Redirect)

Limitations Ariba OpenAPIs

- i) Restrictions on the number of calls that can be made - This restricts the usage of API simultaneously for multiple scenarios as well as extraction parameters needs to be maintained accordingly so that the API usage limits are not exceeded.
- ii) Accessibility of fields via OpenAPI Certain fields cannot be accessed via OpenAPI e.g. FMDs / Calculated custom fields & Certain fields which are not defined the OpenAPI specific groups .