Fetch Vendor Data and Questionnaire from Ariba

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Purpose

To fetch vendor data and Questionnaire from Ariba to SFTP

Integration Specification

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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			

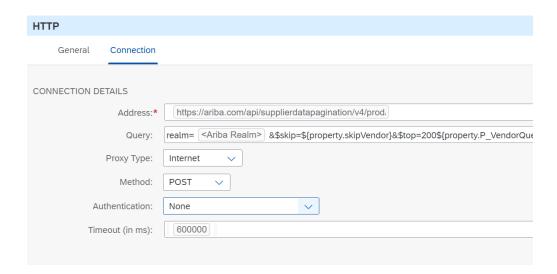
External Parameter

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

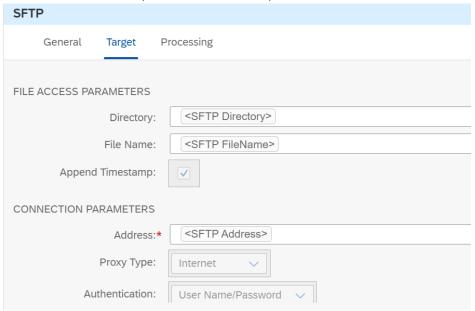
Scripting

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	
setVendorPaginationTokern.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 used to convert Json to CSV structure	

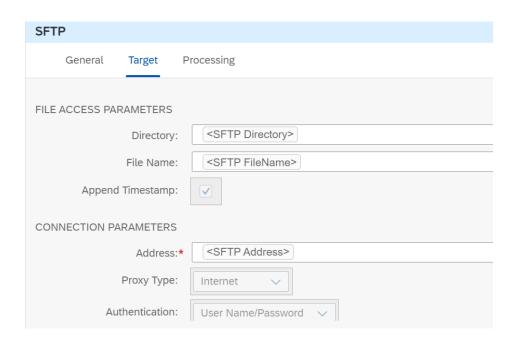
Endpoint Configuration HTTP Receiver-getQuestionnaireHTTP



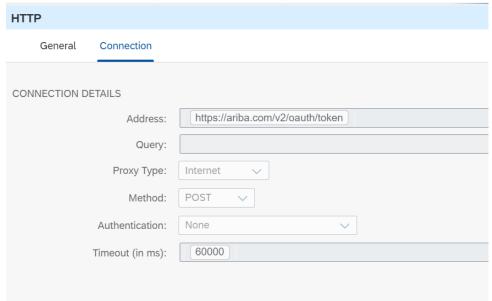
SFTP Receiver (SFTP_Vendor)



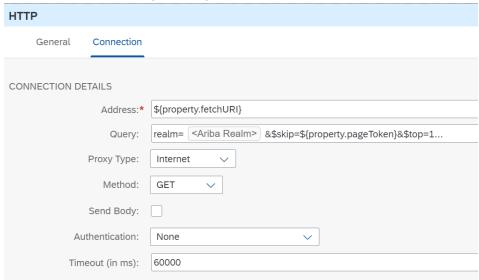
SFTP Receiver (SFTP_Questionnaire)



HTTP Receiver (AribaPostCall)



HTTP Receiver (Ariba)



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.