

Building block Configuration Guide  
Ariba Template - Async Fetch and Reporting  
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English

CUSTOMER

# Ariba Template - Async Fetch and Reporting

# Document History

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# 1 Purpose

Quick start to development of generation of CSV output based on content extracted for Analytical Reporting ( Standard/Custom Templates)

## 2 Integration Specification

Type of Integration (outbound or inbound)	Outbound
Data Source Entities	Ariba Open APIs - Analytical Reporting
Rate Limits & Restrictions	<a href="https://developer.ariba.com/api/apis">https://developer.ariba.com/api/apis</a> <a href="https://help.sap.com/viewer/bf0cde439a0142fbbaf511bfac5b594d/cloud/en-US">https://help.sap.com/viewer/bf0cde439a0142fbbaf511bfac5b594d/cloud/en-US</a>
Processing Type	Adhoc & Scheduled
Job Schedule	Flexible – As per business Requirement
Data Description (xml, comma delimited etc...)	CSV Output
Target Location	SFTP Server

# 3 Parameters Usage Guide

Configure "Ariba Template - Async Fetch and Reporting"

Timer Receiver [More](#)

Type: All Parameters

Adhoc-VariableName: <TemplateName>\_OPENAPI\_Adhoc

FetchJobs(Adhoc/Timer): Adhoc

FileName - (Prefix): TEST

Generate File (Yes/No): Yes

Logging(Yes/No): Yes

Post Processing (DEL) - Adhoc V: <TemplateName>\_OPENAPI\_Adhoc

Post Processing (DEL) - Schedule...: <TemplateName>\_OPENAPI

RealmHostName: eu.openapi.ariba.com

RealmID: <realmID>

Scheduled-VariableName: <TemplateName>\_OPENAPI

Sleep Time - File(in ms): 6000

Sleep Time - Jobs(in ms): 3000

Name	Remarks
Adhoc-VariableName	Variable Name for storing Adhoc Jobs requests
FetchJobs(Adhoc/Timer)	Time of execution – Adhoc or Scheduled
FileName - (Prefix)	File Name modify to add a prefix to generated file name
Post Processing (DEL) - Adhoc Variable	Variable Name of stored Adhoc Job
Post Processing (DEL) - Scheduled Variable	Variable Name for storing Adhoc Jobs requests
RealmHostName	Ariba Realm HostName
RealmID	Ariba RealmID
Scheduled-VariableName	Variable Name for storing Scheduled Jobs requests
Sleep Time - File(in ms)	Adding delay to fetching files request
Sleep Time - Jobs(in ms)	Adding delay to job requests

# 4 Endpoint Configuration

## 4.1 SFTP Server

Timer **Receiver** More

**Target**

Receiver: SFTP

Adapter Type: SFTP

Directory: /test

File Name: {{SFTP\_FileName}}.csv

SFTP\_FileName: \${property.fileName\_Prefix}\_\${property.JOBID\_PURGE}\_\${date:now:dd-MM-yyyy}

Append Timestamp:

Address: test.com

Authentication: Public Key

User Name: test

Timeout (in ms): 10000

Maximum Reconnect Attempts: 3

Reconnect Delay (in ms): 1000

## 4.2 Ariba OpenAPI

### OAuth Token Fetch

Configure "Ariba Template - Async Fetch and Reporting"

Timer **Receiver** More

**Connection**

Receiver: OAuthToken

Adapter Type: HTTP

Address: https://api-eu.ariba.com/v2/oauth/token

Timeout (in ms): 60000

### Report Generation – Integration Flow

Timer **Receiver** More

**Connection**

Receiver: CPI

Adapter Type: ProcessDirect

Address: /OpenAPI/ReportContentGeneration



## 5 Additional Details

- Copy the iFlow as many number of Templates
- This iFlow extracts the entire content to CSV – For custom logic you can use the output content as your input for customized flow.
- File Download is directly performed in the script to avoid

## 6 Limitations SAP Cloud Integration

- No standard mechanism to hold a process to handle API usage limits/minute.

Workaround Implemented- Method `java.lang.Object.wait()` invoked via scripts.

- SAP CI 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](#))

## 7 Limitations Ariba OpenAPIs

- 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.
- 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 .