



# **Configuration Guide - SAP Ariba Integration with SAP Ariba APIs**

## **Connect to the SAP Ariba APIs via OAuth2**

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# CONNECTING WITH SAP ARIBA OPENAPIS VIA SAP CLOUD INTEGRATION

SAP Ariba offers a bunch of Open APIs, which can be found among others in the [SAP API Business Hub](#). SAP Ariba Open APIs allow you to quickly extend, integrate, and optimize SAP Ariba applications and Ariba Network to meet unique domain- or region-specific business requirements.

By providing an open, secure, and scalable way to build new or extended functionality, they deliver a significantly higher level of data sharing and functionality for specific custom integrations with SAP Ariba solutions.

This document describes the configuration steps for the integration of SAP ARIBA Open APIs via Cloud Integration.

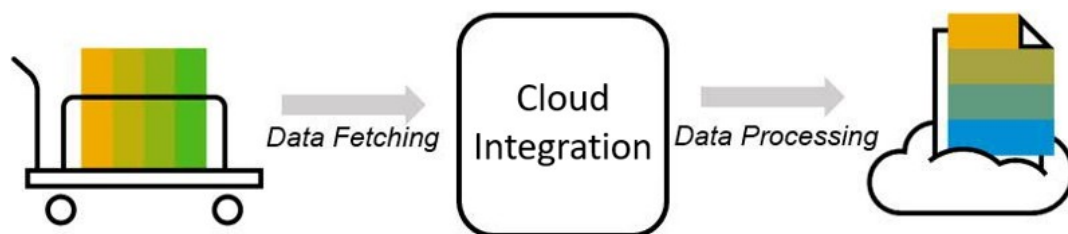
## About SAP ARIBA Open APIs

Besides the SAP API Business Hub, where you can already find a lot of integration flows to connect to ARIBA Open APIs, you can find more information about the Open APIs of ARIBA following this [link](#). SAP Ariba APIs provide an open, secure, and scalable way to build new functionality for SAP Ariba solutions and Ariba Network, gain access to SAP and third-party cloud-based data, and create valuable new end-user solutions utilizing the SAP Ariba platform technology. The developer portal includes a list and full description of available APIs, how-to guides, a sandbox environment for design-time activities, on-line support, and gateway to ensure run-time data flow.

SAP Ariba APIs help customers and partners transcend organizational boundaries to extend existing business processes, build new solutions catering to specific region or industry or simply drive analytics by sourcing business data. Removal of traditional software boundaries open-up new possibilities, internally as well externally.

## Basic Processes

The following figure shows an overview of the process between SAP ARIBA and Cloud Integration:



This integration flow handles the token and the request to SAP ARIBA to fetch data. In common processes this data is processed on Cloud Integration, and finally send to another system (SAP System in the Cloud or On-Premise or Non-SAP System). Note that this integration flow only shows a way to request data from SAP ARIBA.

# 1 INTEGRATION PROCEDURE

This chapter shortly describes the steps to connect SAP ARIBA Open APIs with the Cloud Integration.

It includes the following parts:

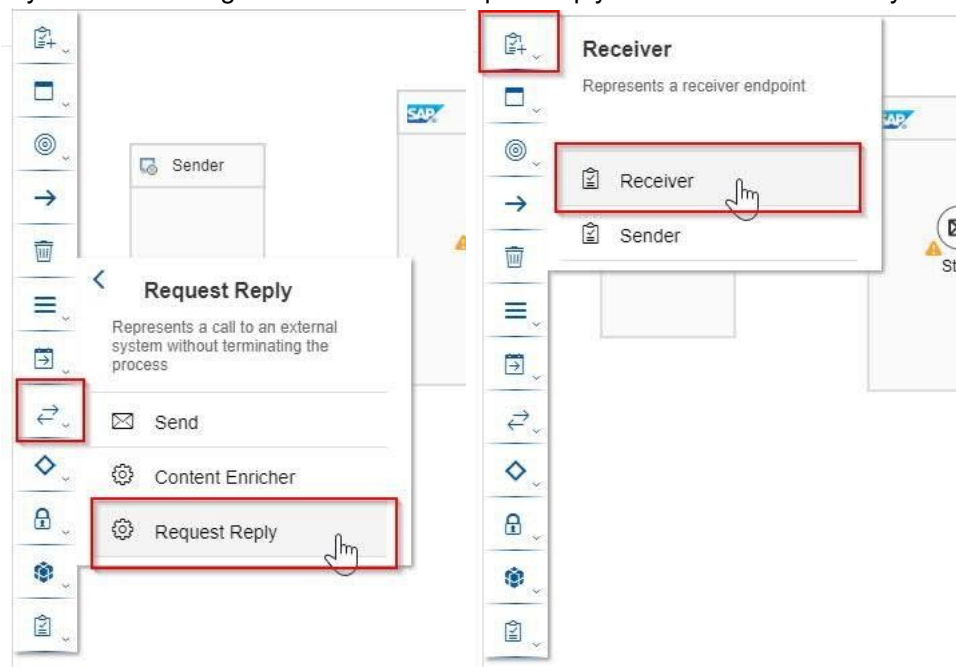
- Configuration in Cloud Integration

## 1.1 Cloud Integration - How to Call the Integration Flow

To work with the Ariba Open API package you first need to create a custom integration flow, with which you can call this standard integration flow and continue to work with the received data. The steps are described in the following:

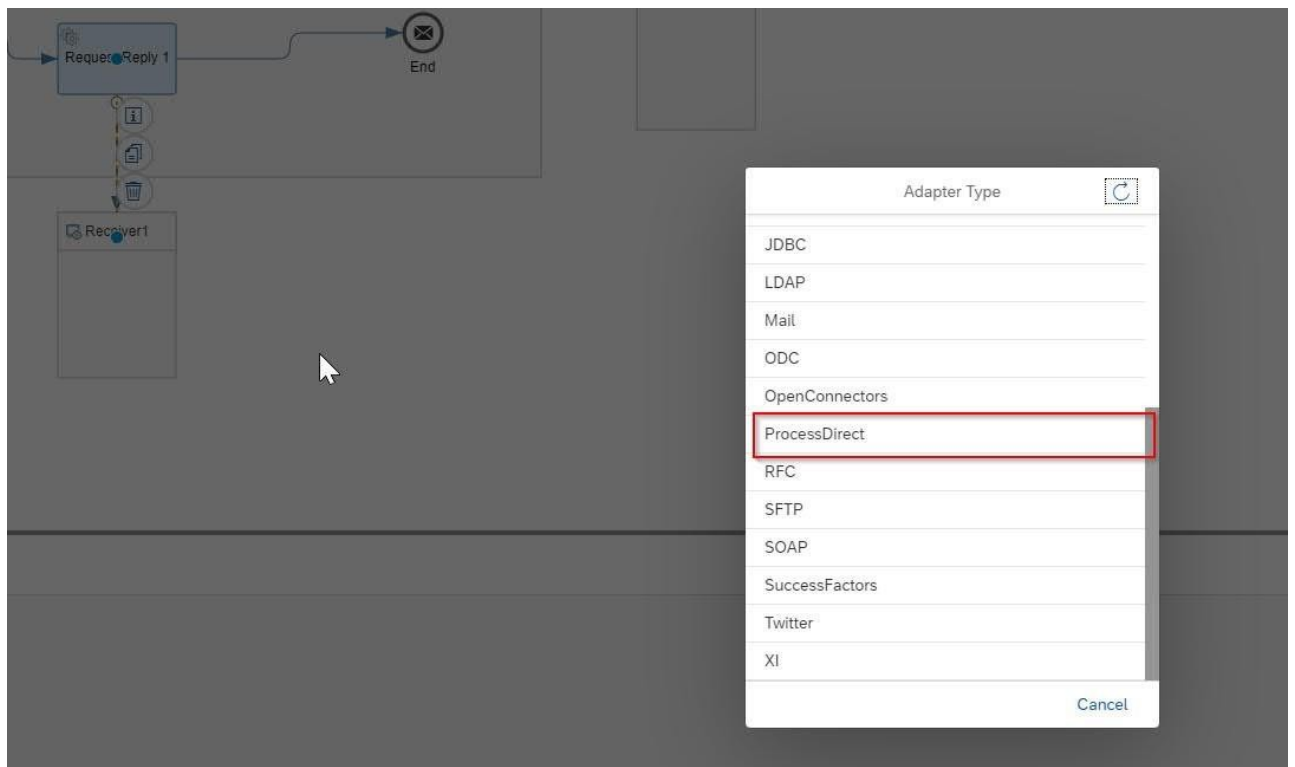
**Step 1:** Create Custom Integration Flow

**Step 2:** In your custom integration flow enter a request-reply as well as a receiver to your flow



**Figure 1a and 1b:** Add Request Reply and Receiver to you flow

**Step 3:** Now connect the request-reply with the Receiver and choose ProcessDirect as Adapter Type



**Figure 2:** Choose ProcessDirect as Adapter Type

**Step 4:** In the Connection Tab of the Process Direct Adapter enter the Address defined in the receiver Process Direct, e.g. "/ GetAribaData" as shown in this figure:

 The image shows the 'ProcessDirect' adapter configuration window. The 'General' tab is selected, and the 'Connection' sub-tab is active. Under the heading 'CONNECTION DETAILS', there is a field labeled 'Address: \*' with the value '/GetAribaData' entered.

**Figure 3:** ProcessDirect Adapter

With this address you call the internal integration flow to request the data from the Ariba Open API.

As a result, you will receive an XML file as a response from this separate integration flow call with which you can continue to work.

In the next section the steps on how to configure the integration flow to connect to Ariba Open API are described.

# Configuration of the Integration Flow in Cloud Integration

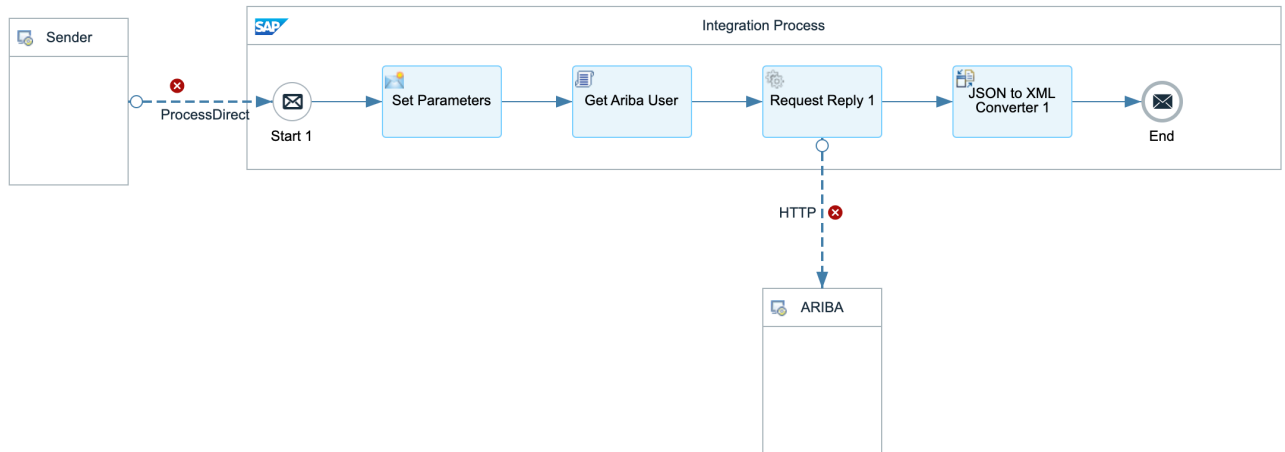
## Step-by-step Instructions

**Step 1:** Download the .zip-file. It comprises the package for the integration flow.

**Step 2:** Import the package to your Cloud Integration tenant and open the integration flow Connect to Ariba Open API on the Artifacts tab.

**Step 3:** Click Configure on the right upper corner:

A screen with a *Receiver* and a *More* tab will appear as shown in Figure 2.



**Figure 4:** Overview – integration flow

**Step 4:** Enter the relevant information in the tab Sender:

Address: Enter the Sender Process Direct address

Configure "Connect to the SAP Ariba APIs via OAuth2"

	Sender	Receiver	More
Sender:	Sender		
Adapter Type:	ProcessDirect		
Address:	<GetAribaData>		

**Step 5:** Enter the relevant information in the tab Sender:

RCV\_Ariba\_Address: Enter the URL of the Ariba API

RCV\_Ariba\_API\_Endpoint: Enter the path of the Ariba API

RCV\_Ariba\_Realm: Enter the Realm of the Ariba API

RCV\_Ariba\_Filter: Enter the query to specify the API request

Credential Name: Enter the OAuth2 Credential Name alias that you have maintained in the Security Material of the Ariba API

**Figure 6:** Configure Open API Ariba

Configure "Connect to the SAP Ariba APIs via OAuth2"

Sender
Receiver
More

Receiver:
ARIBA

Adapter Type:
HTTP

Connection

Address:
{{RCV\_Ariba\_Address}}{{RCV\_Ariba\_API\_Endpoint}}

RCV\_Ariba\_Address:
&lte.g. https://openapi.ariba.com>

RCV\_Ariba\_API\_Endpoint:
&lte.g. /api/retrieve-contract-workspaces/v1/prod/contractWorkspaces>

Query:
realm={{RCV\_Ariba\_Realm}}&user=\${property.Username}&passwordAdapter=\${pro...

RCV\_Ariba\_Realm:
&lte.g. Ariba-realm-T>

RCV\_Ariba\_Filter:
&lte.g. &\$top=10&\$count=true&\$select=contractId,title,contractStatus,expirationDate...

Credential Name:
&ltEnter OAuth2 Client Credential Alias>

**Figure 6:** Receiver Ariba\_Authentication

**Step 6:** Click on the tab *More* and enter the following information:

Ariba\_APIKey:                      Enter the Api Key of the SAP Ariba Open API. This one is needed to request the correct Ariba API. Request the Ariba expert for this information.



Ariba\_CredentialName\_User\_PW

Enter the Credential Name alias that you have maintained in the Security Material of the Ariba API

**Configure "Connect to the SAP Ariba APIs via OAuth2"**

Sender

Receiver

More

Type:

All Parameters

▼

Ariba\_APIKey:

<Ariba API Key>

Ariba\_CredentialName\_User\_... :

<e.g. AribaUser>

**Figure 7:** More – Configure all Parameters

Click on *Save & Close*.

Step 7: Configure Security Material – OAuth2 Client Credential

Maintain the parameters that you will receive in the Ariba Developer Portal here.

Click on *Deploy*

**Figure 8:** Security Material – OAuth2 Client Credentials

### Edit OAuth2 Client Credentials

Name: *	<input type="text" value="Ariba_Demo"/>
Description:	<input type="text"/>
Runtimes: *	<input type="text" value="Cloud Integration x"/> ▼
Token Service URL: *	<input type="text" value="https://api.ariba.com/v2/oauth/token"/>
Client ID: *	<input type="text" value="&lt;Client ID&gt;"/>
Client Secret: *	<input type="text"/>
Client Authentication: *	<input type="text" value="Send as Request Header"/> ▼
Scope:	<input type="text"/>
Content Type:	<input type="text" value="application/json"/> ▼
Resource:	<input type="text"/>
Audience:	<input type="text"/>

#### Step 8: Configure Security Material – User Credentials

Configure the User and Password that you will receive from the Ariba Developer Portal.

**Figure 9:** *Security Material – User Credentials*

## Create User Credentials

Name: *	<input type="text" value="Ariba_API"/>
Description:	<input type="text"/>
Runtimes: *	<input type="text" value="Cloud Integration x"/>
Type: *	<input type="text" value="User Credentials"/>
User: *	<input type="text" value="AribaUser"/>
Password:	<input type="password"/>
Repeat Password:	<input type="password"/>

Deploy

Cancel

