

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP
S/4HANA for Supplier Locks

Table of Contents

Table of Contents.....	2
Overview.....	3
Required SAP Business Technology Platform Services.....	4
Setup and Configuration.....	5
Configure SAP S/4HANA Destination.....	5
Configure Cloud Connector.....	5
Import, configure and deploy cloud integration content.....	5
Import pre-packaged Integration content in SAP Integration Suite.....	6
HTTP Adapter Configuration.....	7

Overview

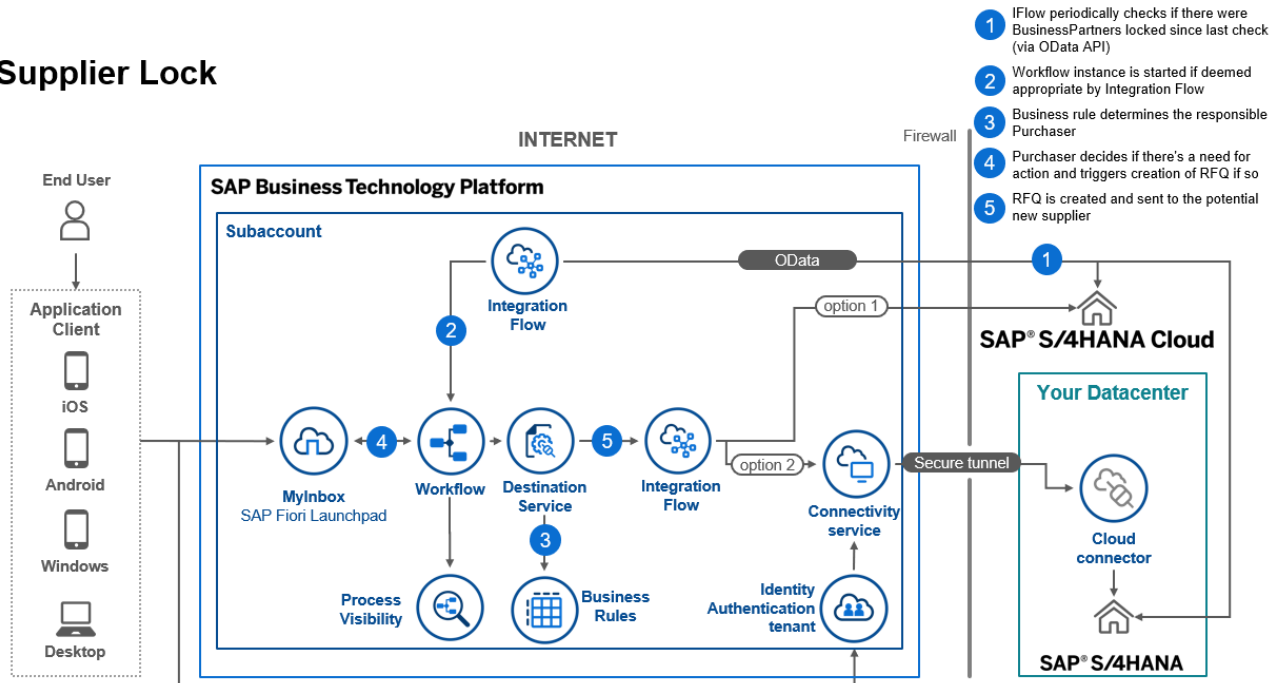
This document provides information about configuration steps to setup the integration content to consume the live process content packages **Supplier Lock**. The primary audience of this document is integration administrators and developers.

This integration package enables an automatic query of Business Partner with a Supplier tag in SAP S/4HANA based on a timer and start workflow instance(s) if there is a business partner lock within the given period. This package also enables SAP Build Process Automation or SAP Workflow management to create a Request for Quotation (RFQ) in SAP S/4HANA.

Salient features of this content package are:

- Starts workflow instance(s) when there a business partner is locked
- Creates RFQ in SAP S/4HANA

Supplier Lock



Required SAP Business Technology Platform Services

The live process content packages **Supplier Lock** is intended to be used for SAP S/4HANA (on-premise and cloud) and requires the following services in SAP BTP:

- SAP Build Process Automation or SAP Workflow Management
- Cloud Integration capability within SAP Integration Suite
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA (only for on-premise system)

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content packages **Supplier Lock**.

Configure SAP S/4HANA Destination

Configure a HTTP destination to connect with SAP S/4HANA on-premise or SAP S/4HANA Cloud, refer to documentation [here](#) for the same. The below is a destination configuration for for SAP S/4HANA Cloud.

Name	S4HANA
Type	HTTP
Proxy Type	Internet
User	<COMMUNICATION_USER>
Password	<COMMUNICATION_PASSWORD>
Authentication	BasicAuthentication
URL	<OData URL of SAP S/4HANA System>
Additional Properties	sap-client: <client number>

Configure Cloud Connector

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP BTP tenant. Please refer the help documentation to [configure Cloud Connector](#).

Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the **Business Partner** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Supplier Locks** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA. The following integration models are available in this package.

The screenshot displays the SAP Cloud Integration interface. At the top, the header shows 'SAP Cloud Integration' and 'Integration Advisor'. The main content area is titled 'Design / SAP Build Process Automation Integration with SAP S/4HANA for Supplier Locks / SAP Build Process Automation Integration with SAP S/4HANA for Supplier Locks'. Below the title, there are tabs for 'Overview', 'Artifacts (2)', 'Documents (2)', 'Tags', and 'Comments'. The 'Artifacts (2)' tab is active, showing a table of integration artifacts. The table has columns for 'Name', 'Type', 'Version', and 'Actions'. Two artifacts are listed: 'Create RFQ in SAP S4HANA' and 'Poll SAP S4HANA for recently locked Suppliers'. Both are of type 'Integration Flow' and version '1.1.0'. The 'Actions' column for each artifact contains a copy icon and a right-pointing arrow.

Name	Type	Version	Actions
<input type="checkbox"/> Create RFQ in SAP S4HANA Enables SAP Build Process Automation or SAP Workflow Management to create RFQ in SAP S/4HANA Unmodified	Integration Flow	1.1.0	>
<input type="checkbox"/> Poll SAP S4HANA for recently locked Suppliers Query SAP S/4HANA for any business partner change based on configured value through SAP Build Process Automation or SAP Workflow Management Unmodified	Integration Flow	1.1.0	>

Import the integration package to your SAP Cloud Integration tenant. To be able to import and deploy integration flows, you need the role AuthGroup.IntegrationDeveloper (in Neo environment) or PI_Integration_Developer (in cloud foundry environment) assigned in your tenant.

Import pre-packaged Integration content in SAP Integration Suite

- Access your SAP Integration Suite tenant management node (<https://<integrationtenant>/itspaces>).
- View all pre-packaged integration flow under Discover->Integration. (<https://<integrationtenant>/itspaces/shell/discover>)
- Search content package “SAP Build Process Automation Integration with SAP S/4HANA for Supplier Locks”.
- Click on the package SAP Build Process Automation Integration with SAP S/4HANA for Supplier Locks .
- Click Copy to import the Integration content package to your workspace.
- Navigate to the Monitor view (<https://<integrationtenant>/itspaces/shell/monitoring>) to setup the security materials required for the package.
- Deploy the following credentials using the *Security Material* app.
 - **Workflow** – (OAuth2 Client Credentials) To start the approval workflows in SAP Build Process Automation or SAP Workflow Management. Make sure that the process automation or workflow service instance was created with the following scopes - WORKFLOW_INSTANCE_GET, WORKFLOW_INSTANCE_START, WORKFLOW_INSTANCE_CANCEL.

- **S4HANA** – (User Credentials) To create RFQ and query business partner in SAP S/4HANA. Make sure that the user has the relevant communication scenarios as mentioned in section Configure SAP S/4HANA Communication User.

Note: The credential names can be different from what is mentioned above. Make sure that you configure the appropriate credential names in the integration flow's HTTP adapter configuration.

HTTP Adapter Configuration

- Open the integration model **Poll SAP S4AHAN for recently locked Suppliers**
- Click **Configure** button, choose the appropriate receivers (workflow, or SAP S/4HANA) and set their respective API endpoint and credential names.
- Configure Timer. By default, it will run every 30 minutes

- Go to the **More** tab and configure additional parameters:
Last changed in minutes – If timer has been changed from default, period to query needs to be changed here as well to match the timer's value

Configure "Poll SAP S4HANA for recently locked Suppliers"

Timer Receiver **More**

Type: All Parameters

Last changed in minutes: 30

- Save and Deploy the integration model.
- Similarly, configure the **Create RFQ in SAP S4HANA** integration model with SAP S/4HANA OData URL and credentials and deploy them.