

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA
for Direct Supplier Down Payment Request

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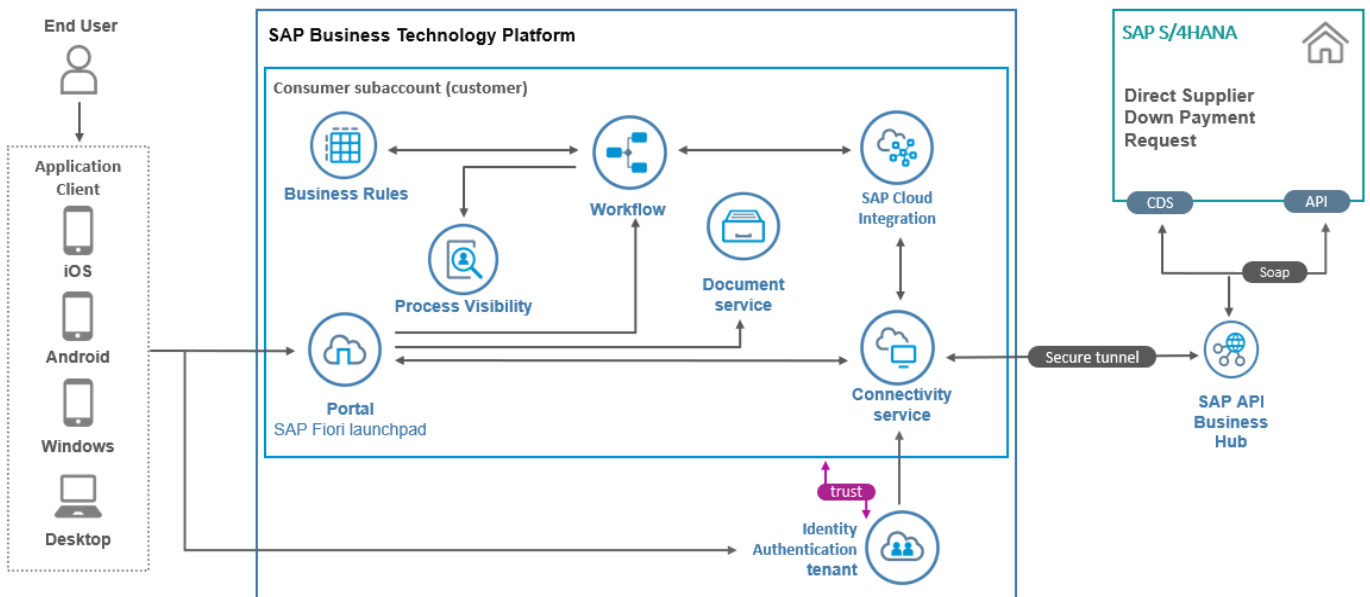
Overview

This package contains Integration flow to create Down payment Request in SAP S/4HANA Cloud from SAP Build Process Automation or SAP Workflow Management and to receive confirmation from SAP S/4HANA Cloud and update in SAP Build Process Automation or SAP Workflow Management.

This package contains the below Integration flow.

- **Supplier Down payment Request Creation and Confirmation** - This is a synchronous process. On Reception of Message from SAP Build Process Automation or SAP Workflow Management, Down payment request is created in SAP S/4HANA cloud and response containing document number is automatically processed in the same integration flow. Any failures/Exceptions caught during the process would be sent to SAP Build Process Automation or SAP Workflow Management to handle.
- Down payment Request Creation and Confirmation workflow processes are in place to automate Down payment Request approval process so that these transactions can be tracked and monitored before actual document postings in SAP S/4HANA Cloud.
- This extension will enable the SAP Build Process Automation or SAP Workflow Management Approval Process for Supplier Down Payment Request Creation and Confirmation.

Direct Supplier Down Payment Request



Required SAP Business Technology Platform Services

The live process content package “**SAP Build Process Automation Integration with SAP S/4HANA for Direct Supplier Down Payment Request**” is intended to be used for SAP S/4HANA (cloud) and requires the following services in SAP BTP:

- SAP Build Process Automation or SAP Workflow Management to orchestrate the process.
- Cloud Integration capabilities within SAP Integration Suite for data activities with Down Payment Request Creation and Confirmation.
- SAP Launchpad service to access the apps that are involved in the process.
- SAP Business Application Studio to modify/deploy the SAPUI5 applications.
- SAP BTP, Cloud Foundry runtime.

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content packages **SAP Build Process Automation Integration with SAP S/4HANA for Direct Supplier Down Payment Request**.

Configure SAP S/4HANA Communication User

Communication User is setup, which is required for the Message exchange between Cloud Integration flow, workflow and SAP S/4HANA Cloud. Perform the below steps to create communication user.

- In SAP S/4HANA cloud, Search for the section “Communication management” and select the tile “Maintain Communication users”.
- Click “New Button” and enter the below Information.

Name	<User Name>
Description	<Enter desired description for the system/user>
Password	<Password>

Configure SAP S/4HANA Communication system

Communication system is setup, which is required for the flows between Cloud integration flow, workflow and SAP S/4HANA Cloud. Perform the steps below to create a communication system.

- In SAP S/4HANA cloud, Search for the section “Communication management” and select the tile “Communication systems”.
- Click “New Button” and enter the Information as per below configuration.

New Communication system	
System ID	<System ID>
System Name	<System name>
General	

Host Name	<Host Name of System>
Logical System	<Enter a Desired logical system name>
Port	443
Users for Inbound Communication	
User Name	<Select the user created in the previous step using '+' Icon>
Authentication Method	User Name and Password
Users for Outbound Communication	
Authentication Method	User Name and Password
User Name	<Mention the integration flow user to connect to cloud integration flow>
Password	<Enter Password of user of connect to Cloud integration flow>

Configure SAP S/4HANA Communication Arrangement

Configure SAP S/4HANA communication arrangement that combines the system and user created in the above steps. Below is an arrangement configured in SAP S/4HANA cloud.

Note: This destination is required by Cloud Integration (Suite).

- In SAP S/4HANA cloud, Search for the section “Communication management” and select the tile “Communication Arrangements”.
- Click “New Button” and enter the below Information.

New communication Arrangement	
Scenario	SAP_COM_0002- Finance - Posting Integration
Arrangement Name	SAP_COM_0002 <Automatically populates on selecting Scenario>
Common Data	
Communication System	<Select Communication system from previous step>
Inbound Communication	
User Name	<Automatically populates on selecting communication system>
Authentication Method	<Automatically populates on selecting communication system>
Inbound Services	
Service	<Inbound Services automatically populate>
Outbound Communication	
User Name	<Automatically populates on selecting communication system>
Authentication Method	<Automatically populates on selecting communication system>
Outbound Services - Not requires Since the scenario is synchronous	
Service status	NA
Path	NA
Port	NA

Import, configure and deploy cloud Integration content

The live process content requires cloud integration to process Down Payment creation and confirmation from SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Direct Supplier Down Payment Request** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA.

- Supplier Down Payment Request – Creation and Confirmation

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 Direct Supplier Down Payment Request**”.
- Click on the package SAP Build Process Automation Integration with SAP S/4HANA for Direct Supplier Down Payment Request.
- 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.
- S4HANA – (Credentials) To call the POST API in SAP S/4HANA. Make sure the user has the relevant communication scenarios as mentioned in section Configure Communication Scenarios in SAP S/4HANA.

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 SOAP and HTTP adapter configurations.

Supplier Down Payment Request Creation and Confirmation

- Open the integration model Supplier Down Payment Request Creation and Confirmation.
- Click Configure button, choose the appropriate Sender (SAP Build Process Automation or SAP Workflow Management) and receiver (SAP S/4HANA) and set their respective API endpoint and credential names.
- Configure cloud integration parameters to enable the End-to-end flow of business data. Navigate to the Integration flow and click on configure on the top right. Once all parameters are configured, Click on Deploy.

Supplier Down Payment Request Creation and Confirmation	
Sender - Workflow	
User Role	ESBMessaging.Send
CSRF Protected	It is recommended to not change
Body Size	<Enter Desired Maximum Payload body size allowed>
Receiver - SAP S4HANA	
Host	<Maintain SAP S/4HANA API host name>
Authentication	<Ex, Basic>
Credential Name	<Select the Corresponding Credential Name from security Material>
Timeout	<Enter desired connection Timeout in ms>
More	
HTTP Session Reuse	<Select “On Exchange” or “On Integration flow”> based on requirement Recommended to leave as “None”

- Deploy the integration model.