

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

# Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Free Form Payments Approval

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# Overview

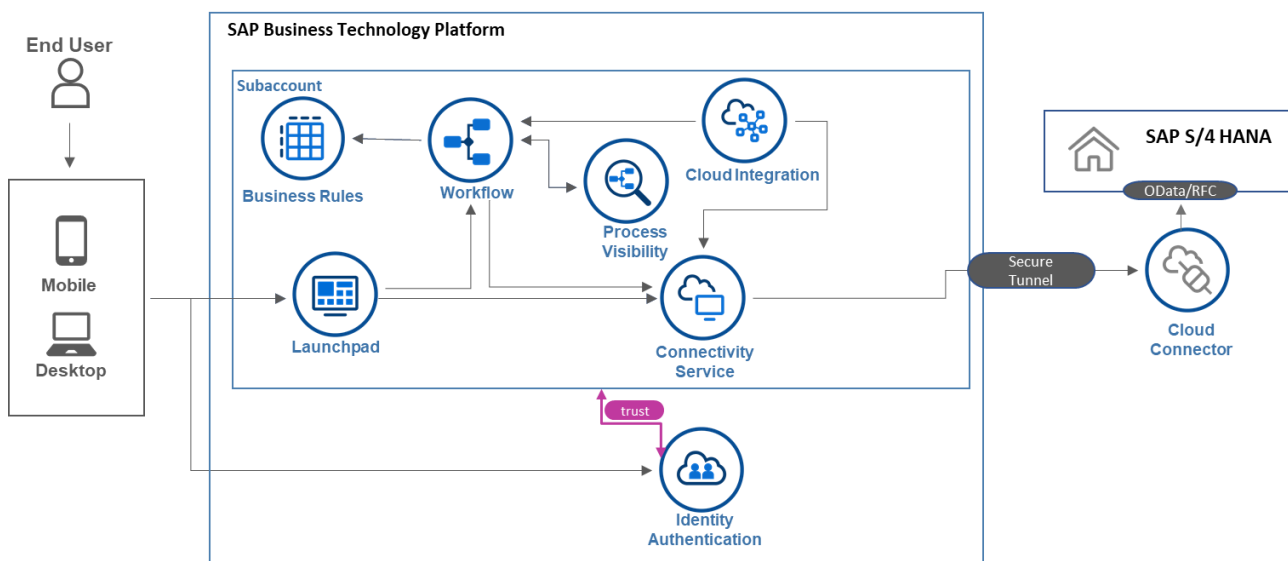
This document provides information about configuration steps to consume the package **Free Form Payment Approval**

The solution focuses on providing a live process content-based solution for postings to Free Form Payments Approvals. A Free Form Payment is the payment request is to be raised to an entity that is not registered as supplier or customer in SAP. SAP users can use My Free Form Payments to create payment requests and view, edit, or reverse payment requests that you have created.

This Integration Package contains the following salient features:

- Get Approvers for Free Form Payments Approval integration flow fetches approvers details for Free Form Payments from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management.
- Get Payment Details for Free Form Payments Approval integration flow fetches payment details from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management for determining approvers for Free Form Payments.

## Solution Diagram



- Update Payment Processing Status integration flow fetches the status of payment processing from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management.

# Required SAP Business Technology Platform Services

The workflow content package **Free Form Payment Approval** is intended to be used for SAP S/4HANA and requires the following services in SAP BTP:

- SAP Build Process Automation or SAP Workflow Management to orchestrate the process.
- Cloud Integration capability within SAP Integration Suite
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA.
- 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.
- SAP Cloud Identity Services (Optional)

# Setup and Configuration

This section will explain how to setup the integration content that is required for the workflow content package **Free Form Payment Approval**.

## Configure RFC Destination

Configure a RFC destination to connect with SAP S/4HANA on-premise. Below is a destination configuration for SAP S/4HANA on-premise.

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

Name	<RFC_DESTINATION_NAME>
Type	RFC
Proxy Type	OnPremise
User	<ONPREMISE_USER>
Password	<ONPREMISE_PASSWORD>
Repository User	<ONPREMISE_USER>
Repository Password	<ONPREMISE_PASSWORD>

Additional Properties	jco.client.ashost: <host>
Additional Properties	jco.client.client:<client number>
Additional Properties	jco.client.lang: <language>
Additional Properties	jco.client.sysnr:<system 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](#).

Services/Resources that need to be exposed from SAP S/4HANA on-premise using Cloud Connector

Resources	Protocol	Backend-Type
/sap/opu/odata/sap/FAP_PROCESS_FF_PAYMENTS_SRV	OData	ABAP System
ZWF_FM_HR_MASTER_GET_APPR	RFC	ABAP System

## Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the – **Free Form Payments Approval** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Free Form Payments Approval** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA. Integration models use RFC and OData to integrate with SAP S/4HANA. The following integration models are available in this package.

1. Get Approvers for Free Form Payments Approval
2. Get Payment Details for Free Form Payments Approval
3. Update Payment Processing Status

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 Free Form Payments Approval**”.
- Click on the package “**SAP Build Process Automation Integration with SAP S/4HANA for Free Form Payments Approval**”.
- 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. In Integration Suite, open Operations view, then click on Security Material to create and deploy security materials.

- **S4HANA** – (User Credentials) To call the OData APIs

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 OData adapter configuration.

### RFC Adapter Configuration

- Open the integration model *Get Approvers for Free Form Payments Approval*.
- Click **Configure** button, choose receiver "SAP\_S4HANA\_RFC" and set the required destination name.
- Go to **More** tab and enter the RFC Name and if required, change the values for HTTP Session Reuse and Transaction Handling.
- Save the integration model.

### OData Adapter Configuration

- Open the integration model Update Payment Processing Status.
- Click **Configure** button, choose receiver "SAP\_S4HANA" and set the respective endpoint (host and port) and credential details.
- Go to More tab and enter the Client\_No (i.e. SAP Client Number) and if required, change the values for HTTP\_Session\_Reuse and Transaction\_Handling.
- Save the integration model.
- Maintain same OData adapter configurations in integration model Get Payment Details for Free Form Payments Approval and save the integration model.

Once all the required configurations are done, deploy all the integration models.

Note: If Approver Determination Strategy is selected as "External Service" in workflow configurations, then a cloud integration model Get Approvers for Free Form Payments Approval with the below mentioned endpoint, input and output details will be called to get the required approver details. In case there is a need for implementation of custom cloud integration model then the same needs to have the below mentioned endpoint, input, and output structure.

API Attributes	Values
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Path	/http/getApproversffpawfm
HTTP Method	POST
Payload sent by workflow (sample data)	<pre>{   "d": {     "companyCode": "4001",     "positionID": "50000508"   } }</pre>
Response Payload from integration flow	<p><b>RESPONSE STATUS, Ex 200 OK</b></p> <pre>{   "d": {     "status": "Success",     "message": "Data fetched successfully",     "companyCode": "4001",     "positionID": "50000508",     "approvers": [       {         "userID": "ABCXYZ",         "emailID": "abcxyz@example.com",         "name": "Mr Example Approver"       }     ]   } }</pre>
Payload Type	Application / JSON



