

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Urgent Payment Request Approval

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Overview

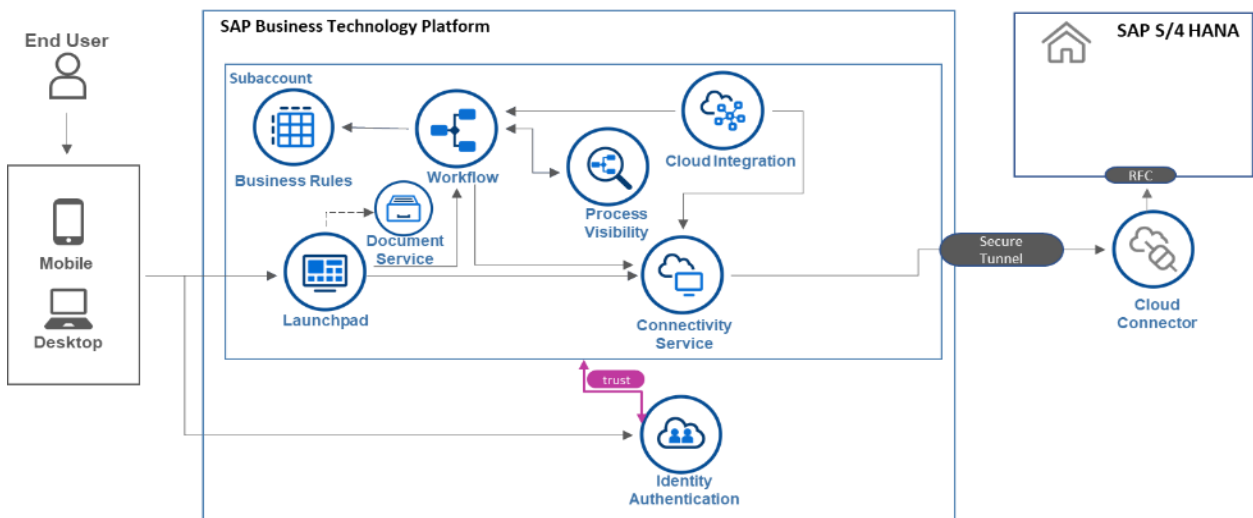
This document provides information about setup steps to consume the package **Urgent Payment Request Approval**.

This use case deals with urgent payment request scenario, where there is a requirement for user from non-finance team to raise a payment request. Once the request is raised and approved, it is cascaded to a relevant finance team persona along with the business data that is required information to trigger a free form payment to a vendor/customer. This workflow deals with approval required by the non-finance team persona.

This Integration Package contains the following salient features:

- Get Approvers for Asset Acquisition integration flow fetches approvers details for Urgent Payment Request Approval from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management.
- Get Customer Bank Details integration flow Get customer bank details from SAP S/4 HANA to SAP Build Process Automation or Workflow Management.

Solution Diagram



Required SAP Business Technology Platform Services

The live process content package **Urgent Payment Request 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 live process content package **Urgent Payment Request 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
BAPI_CUSTOMER_GETDETAIL2	RFC	ABAP System
ZWF_FM_HR_MASTER_GET_APPR_MULT	RFC	ABAP System

Import, configure and deploy cloud integration content

This live process content requires the cloud integration to process the – Journal Entry Data in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Urgent Payment Request 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 Urgent Payment Request Approval
2. Get Customer Bank Details

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 Urgent Payment Request Approval”.
- Click on the package “SAP Build Process Automation Integration with SAP S/4HANA for Urgent Payment Request 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.

RFC Adapter Configuration

- Open the integration model *Get Approvers for Urgent Payment Request Approval*.

- Click **Configure** button, choose receiver “SAP_S4HANA_RFC” and set the required destination name.

Receiver More

Receiver:

Adapter Type:

Connection

Destination:

- Go to More tab and enter the custom RFC_Name and if required, change the values for HTTP Session Reuse and Transaction Handling.

Configure "Get Approvers for Urgent Payment Request Approval"

Sender Receiver **More**

Type:

HTTP_Session_Reuse:

RFC_Name:

Transaction_handling:

- Save the integration model.
- Configure similar parameters for receiver “SAP_S4HANA_RFC” in *Get Customer Bank Details* model and save the configurations.
- Once all the required configurations are done, deploy all the integration models.

Notes:

1. If Approver Determination Strategy is selected as “External Service” in workflow configurations, then a cloud integration flow **Get Approvers for Urgent Payment Request 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 flow then the same needs to have the below mentioned endpoint, input and output structure.

API Attributes	Values
Path	/http/getApproversruprawfm

HTTP Method	POST
Payload sent by workflow (sample data)	<pre>{ "d": { "positions": [{ "companyCode": "4001", "positionID": "50000508" }] } }</pre>
Response Payload from integration flow	<p>RESPONSE STATUS, Ex 200 OK</p> <pre>{ "d": { "status": "Success", "message": "Data fetched successfully", "approvers": [{ "userID": "ABC", "emailID": "abc@abc.com", "name": "ABC ABC", "companyCode": "4001", "positionID": "50000508" }] } }</pre>
Payload Type	Application / JSON

- If Accountant Determination Strategy is selected as "External Service" in workflow configurations, then a cloud integration flow needs to be created with the below mentioned endpoint, input and output details for fetching the required Accountant details.

API Attributes	Values
Path	/http/getAccountantsuprawfm
HTTP Method	POST
Payload sent by workflow (sample data)	<pre>{ "urgentPaymentRequestDetails": { "headerInfo": { "headerKey": "1647483116384", "companyCode": "4001", "documentDate": "2022-03-17", "reference": "fff", "account": "customer", "vendor": "", "vendorName": "", "customer": "2", "customerName": "Company Customer - Payer 1/90001 Florida", "bankCountry": "US", "bankCountryName": "USA", "bankKey": "10500086", "bankName": "Test", "bankAccount": "112232", "amount": 100, "currency": "USD", </pre>

	<pre> "remarks": "ddd", "createdBy": "xyz", "createdByEmail": "xyz@email.com" } } } </pre>
Response Payload from integration flow	<pre> { "d": { "status": "Success", "message": "Data fetched successfully", "accountants": [{ "userID": "app1", "emailID": "app1@test.com", "name": "Approver 1" }] } } </pre>
Payload Type	Application / JSON