

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Real Estate Contract Valuation Posting Approval

Table of Contents

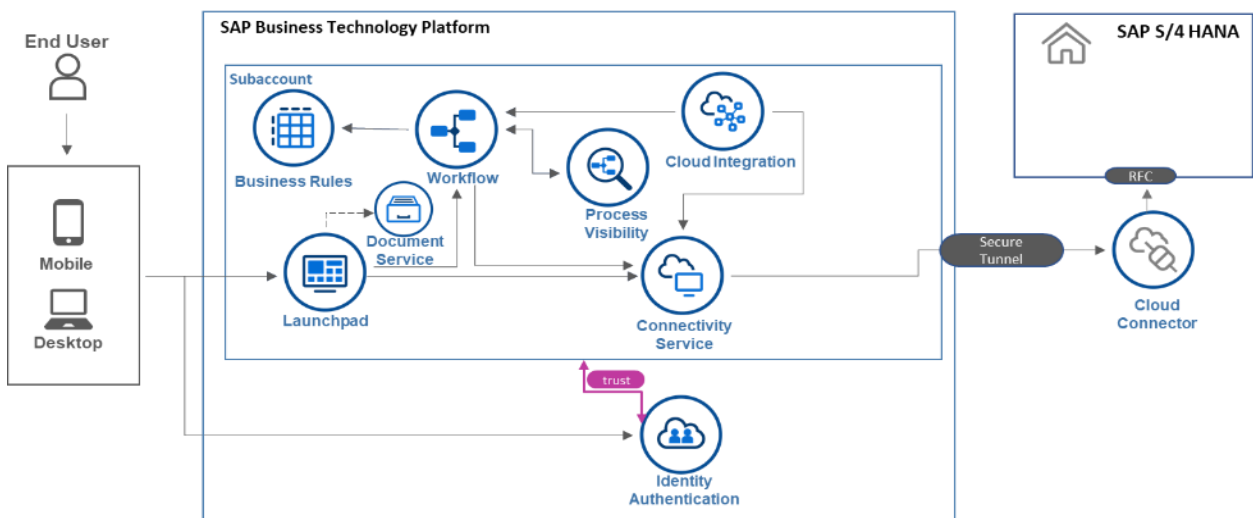
Table of Contents	2
Overview	3
Solution Diagram	3
Required SAP Business Technology Platform Services	4
Setup and Configuration	5
Configure RFC Destination	5
Configure Cloud Connector	5
Import, configure and deploy cloud integration content	6
Import pre-packaged Integration content in SAP Integration Suite	6
RFC Adapter Configuration	7
OData Adapter Configuration	8

Overview

This document provides information about setting up the SAP Business Technology Platform account to consume the live process content package **Real Estate Contract Valuation Posting Approval**. The main audience of this document are technical IT/system administrators.

Objective of this live process content is to have approval process in place for Right of Use asset values in case of any changes to contract. Valuation posting approvals are required in case of Contract Extensions, Contract Termination, Change in Interest Value etc.

Solution Diagram



This Integration Package contains the following salient features:

- Get Approvers for Real Estate Contract Valuation Posting Approval iFlow fetches approvers details for Real Estate Contract Valuation Posting Approval from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management.
- Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval iFlow fetches cost center owner address for Contract Valuation from SAP S/4HANA to SAP Build Process Automation or SAP Workflow Management.
- Post Real Estate Contract Valuation iFlow posts contract valuation in SAP S/4HANA from SAP Build Process Automation or SAP Workflow Management.

Required SAP Business Technology Platform Services

The live process content package **Real Estate-Contract Renewals 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 withing 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 **Real Estate Contract Valuation Posting 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/API_COSTCENTER_SRV	OData	ABAP System
ZWF_FM_HR_MASTER_GET_APPR_MULT	RFC	ABAP System
BAPI_USER_GET_DETAIL	RFC	ABAP System
ZWF_FM_RECEEP_POST_VLTN	RFC	ABAP System

Import, configure and deploy cloud integration content

This live process content requires the cloud integration to process the – Treasury Payment Request in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Real Estate Contract Valuation Posting 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 Real Estate Contract Valuation Posting Approval
2. Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval
3. Post Real Estate Contract Valuation

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 Real Estate Contract Valuation Posting Approval”.
- Click on the package “SAP Build Process Automation Integration with SAP S/4HANA for Real Estate Contract Valuation Posting 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)

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 RFC adapter configuration.

RFC Adapter Configuration

- Open the integration model Get Approvers for Real Estate Contract Valuation Posting 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.

Configure "Get Approvers for Real Estate Contract Valuation Posting Approval"

Sender	Receiver	More
Type:	All Parameters	
HTTP_Session_Reuse:	onExchange	
RFC_Name:	ZWF_FM_HR_MASTER_GET_APPR_MULT	
Transaction_handling:	Not Required	

- Save the integration model.
- Configure similar parameters for receiver "SAP_S4HANA_RFC" in Post Real Estate Contract Valuation and Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval models and save the configurations.
- Open the integration model *Post Real Estate Contract Valuation Approval Request*.
- Click **Configure** button.
- Go to More tab and enter the rfcName and if required, change the values for HTTP_Session_Reuse and Transaction_Handling.

Configure "Post Real Estate Contract Valuation"

Sender	Receiver	More
Type:	All Parameters	
httpSessionReuse:	onExchange	
rfcName:	ZWF_FM_RECEEP_POST_VLTN	
timeout:	30	
transactionHandling:	Not Required	

OData Adapter Configuration

- Open the integration model Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval.
- Click **Configure** button, choose receiver "SAP_S4HANA_ODATA" and set the respective endpoint (host and port) and credential details.

Configure "Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval"

Sender Receiver **More**

Connection

Receiver: SAP_S4HANA_ODATA

Adapter Type: HCIOData

Address: {{{OData_Address}}}/sap/opu/odata/sap/API_COSTCENTER_SRV

OData_Address: [REDACTED]

Proxy Type: On-Premise

Location ID: [REDACTED]

Authentication: Basic

Credential Name: [REDACTED]

Processing

Timeout (in min): 1

- Go to More tab and enter the ClientNo and if required, change the values for HTTP_Session_Reuse and Transaction_Handling.

Configure "Get Cost Center Owner Address for Real Estate Contract Valuation Posting Approval"

Sender Receiver **More**

Type: All Parameters

ClientNo: [REDACTED]

HTTP_Session_Reuse: onExchange

Transaction_handling: Not Required

- 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 flomodel Get Approvers for Plan Activity Prices 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 flomodel then the same needs to have the below mentioned endpoint, input and output structure.

API Attributes	Values
Path	/http/getApproversrecvpawfm

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

