

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
Required SAP Business Technology Platform Services	3
Setup and Configuration	4
Configure RFC Destination	4
Configure Cloud Connector.....	4
Configure and deploy Integration Suite content.....	5
Import pre-packaged Integration content in SAP Integration Suite	5
RFC Adapter Configuration.....	5
OData Adapter Configuration	6

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.

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 Business Technology Platform:

- SAP Build Process Automation
- SAP Integration Suite
- SAP Connectivity service
- SAP Business Application Studio
- SAP Application Runtime Service
- SAP Work Zone, standard or advanced
- SAP Cloud Identity Services - Identity Authentication (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 Integration Suite (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-premises landscape, configure cloud connector to enable secure tunnel to SAP Business Technology Platform tenant. Please refer the help documentation to [configure Cloud Connector](#).

Services/Resources that need to be exposed from SAP S/4HANA on-premises 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

Configure and deploy Integration Suite content

This live process content requires the Integration Suite 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 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 Integration Suite tenant. To be able to import and deploy integration flows, you need the role Auth Group. Integration Developer (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)

Create User Credentials

Name: * S4HANA

Description: To connect to SAP S/4 HANA

Type: * User Credentials

User: *

Password:

Repeat Password:

Deploy Cancel

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.

Receiver More

Receiver:

Adapter Type:

Connection

Destination:

- 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:

HTTP_Session_Reuse:

RFC_Name:

Transaction_handling:

- 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:

httpSessionReuse:

rfcName:

timeout:

transactionHandling:

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 an Integration Suite iFlow model 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 Integration Suite iFlow model 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)

```
{
  "d": {
    "positions": [
      {
        "companyCode": "4001",
        "positionID": "50000508"
      }
    ]
  }
}
```

Response Payload from integration flow

RESPONSE STATUS, Ex 200 OK

```
{
  "d": {
    "status": "Success",
    "message": "Data fetched successfully",
    "approvers": [
      {
        "userID": "ABC",
        "emailID": "abc@abc.com",
        "name": "ABC ABC",
        "companyCode": "4001",
        "positionID": "50000508"
      }
    ]
  }
}
```

Payload Type

Application / JSON