

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

Real Estate Contract Valuation Posting Approval using SAP Build Process Automation

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Overview

This document provides information about configuration steps to consume the package **Real Estate Contract Renewals Posting Approval**. The main audience of this document are treasury experts, credit controllers, developers and product owners.

The objective of this workflow is to have an approval process in place for ROU 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.

Artifacts

A package consists of process templates, process steps, process variants, decisions, and process visibility models. During the setup of the live process package with name "Real Estate Contract Renewal Approval", all relevant artifacts would be imported, and this guide shows how they can be configured to make them work.

Process

A process template is a set of business activities and tasks that, once completed, fulfills an organization goal. The **Real Estate Contract Valuation Posting Approval** package contains the following process template:

Real Estate Contract Valuation Posting Approval– Deals with approval process for Right of Use assets in the event of change of contract.

A business process can be broken down logically into smaller parts or steps. Each process step is a collection of activities to perform a specific task. For example, an approval process step can contain activity to determine the approvers, approval task, notifications, and handle the approval result. Table 1 represents the list of process steps/sub flows available to be used in **Real Estate Contract Valuation Posting Approval**.

Table 1: Process Steps

Process Steps	Cardinality	Detailed Description
Cost Center Owner Approval	1..1 = mandatory step	Workflow for the Cost Center Owner to act on the Real Estate Contract Valuation Posting.
Approval	0.. N = Optional Step	Workflow for the Approver to act on the Real Estate Valuation Posting.
Post Real Estate Contract Valuation Posting	1..1 = mandatory step	Post Real Estate Contract Valuation Posting in the S/4 HANA system.

A process step can have customizable properties, and they could influence the outcome of the process step. For example, the Approval step can be reused multiple times and based on the properties the approver is determined. Please see Table 2 for more details.

Table 2. Process Step Properties

Process Attributes	Detailed Description
Company Code	Company code for which contract valuation posted.
Cost Center	Cost center for which contract valuation posted.
Document Date	Date on which contract valuation posted.
Contract Type	Type of contract valuation posted.
Contract	Contract valuation id.
Due Date	Date on which contract valuation posted is due.
Posting Date	Date on which contract valuation posted.
Contract Value	Value of contract posted.
Calculation Date To	Date on which contract valuation calculated.
Posting Period	Company code for which contract valuation posted.

Sample Context with & without Start Conditions:

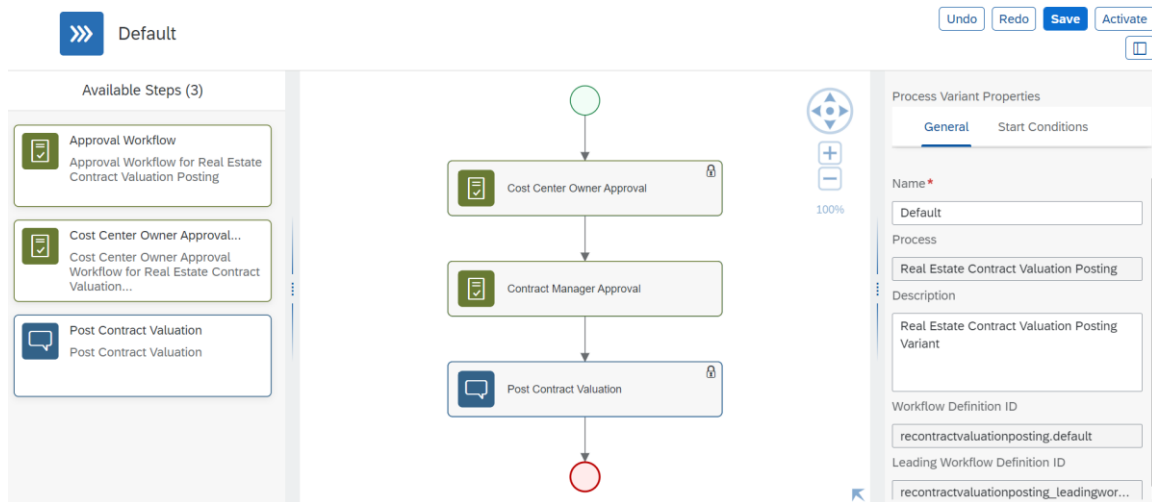
```
{
  "valuationPostingDetails": {
    "companyCode": "4001",
    "companyCodeDesc": "LP Company Code US- Ops",
    "documentDate": "2022-07-01",
    "costCenter": "40011000",
    "contractType": "CU05",
    "contractTypeDesc": "Lease-In Valuation BU/PR",
    "contract": "2000102",
    "contractDesc": "Workflow test data 12",
    "dueDate": "2022-07-31",
    "postingDate": "2022-07-01",
    "documentHeaderText": "Valuation: July 2022",
    "createdByEmail": "xyz@sample.com",
    "contractValue": "216000.00",
    "currency": "USD",
    "yearofPostingRun": "2022",
    "calculationDateTo": "",
    "createdBy": "xyz",
    "postingPeriod": "7",
    "monthofPostingRun": "7",
    "valuationPostingKey": "4001_2000102"
  }
}
```

Process Variants

A process variant consists of multiple process steps configured by a line of business experts. It is possible to

create multiple variants of the same process.

Please refer [help documentation](#) about how to configure a process variant.



Default Variant

Configure Process Variants for Real Estate Contract Renewals Posting Approval with SAP Build Process Automation

1. In the SAP Build Process Automation [Lobby](#), click to open the package with name Real Estate Contract Renewals Posting Approval. This opens the package in a new tab/window.
2. Click the + icon next to the process template to create a new process variant.
3. Enter Name of the new Process Variant (ex, Two Step Approval).
4. Click the newly created Process Variant tile to save and activate the process variant.
5. The process variant has a default implementation with two steps and at least one level of approval.
6. It is possible to remove steps like “Approval for Real Estate Contract Renewals Posting Approval” from a process variant only if there are multiple approvals. Please note that whether a step is mandatory or optional, and how many a times any step can be used within a variant, are dependent on the constraints defined on the process steps.
7. Save and activate the variant. A successful activation will create a new workflow definition in the account that can be viewed in the [Monitor Processes and Workflows app](#).

Decisions & Policies

Decisions allow to encapsulate the business logic from core applications and supports the reuse of Decisions across different business processes. Decisions enable customers to adopt changes in processes without changing the underlying workflows or application logic. SAP Build Process Automation has Decisions capabilities that enables customers to centrally manage all Decisions. Please go through the [Decisions capabilities](#) in-SAP Build Process Automation.

Real Estate Contract Renewals Approval package enable customers to flexibly configure Decisions to gain flexibility to

1. Approver Determination Strategy
2. Determine Task Due Date
3. Determine Administrators
4. Determine Approvers
5. Determine Position

Approver Determination Strategy

Based on the business requirement approval can be determined by external service or Decisions.

Rule Service Name: Approver Determination Strategy

Input

Name	Label	Description	Business Data Type
CompanyCode	Company Code	Company Code belongs to this posting valuation	String
ApprovalStep	Approval Step	Approval Step of the level of the approvers	String
DocumentDate	Document Date	Document date of contract valuation posting.	Date
PostingDate	Posting Date	Posting date of contract valuation posting.	Date
CalculationDateTo	Calculation Date To	Calculation date of contract valuation posting.	Date
ContractValue	Contract Value	Contract value of contract valuation posting.	String
PostingPeriod	Posting Period	Posting period of contract valuation posting.	String
MonthOfPostingRun	Month Of Posting Run	Month of Posting contract valuation posting.	String
YearOfPostingRun	Year Of Posting Run	Year of Posting contract valuation posting.	String
DueDate	Due Date	Due date of contract valuation posting.	Date
ContractNumber	Contract Number	Contract Number is created for this posting valuation.	String
ContractType	Contract Type	Contract Type to which valuation posting belongs to.	String
CostCenter	Cost Center	Cost Center belongs to this posting valuation	String

Result

Name	Label	Description	Business Data Type
DeterminationStrategy	Determination Strategy	Approver Determination Strategy can either "Business Rule" or "External Service" depending on contract details.	String

Rule

If		Then
☐	Approval Step	Determination Strategy
☐	MATCHES '*'	'Business Rule'

Determine Administrators

Determine administrators in case of any errors in fetching the approvers for Real Estate Contract Valuation Posting Approval.

Rule Service Name: Determine Administrators

Input: Refer – Approver Determination Strategy Rule [Input section](#).

Result

Name	Label	Description	Business Data Type
UserId	User ID	User ID of the administrator	String
UserGroup	User Group	User Group of the administrator	String
Email	Email	Email ID of the administrator	String

Rule

If		Then		
☐	Approval Step	Email	User Group	User ID
☐	MATCHES '*'	'admin@example.com'	'Admin_GroupId'	'Admin_UserId'

Determine Approvers

Determine approvers for an approval step in Real Estate Contract Valuation Posting Approval.

Rule Service Name: Determine Approvers

Input: Refer – Approver Determination Strategy Rule [Input section](#).

Result

Name	Label	Description	Business Data Type
UserId	User ID	User ID of the approver	String
UserGroup	User Group	User Group of the approver	String
Email	Email	Email of the approver	String
DueDuration	Due Duration	Due Duration for approval	Number
UnitofTime	Unit of Time	Unit of Time for duration	String

Rule Definition

Decision Table									
If					Then				
☐	Contract Number	Contract Type	Cost Center	Company Code	Approval Step	Email	User Group	User ID	
☐	MATCHES '*'	MATCHES '*'	MATCHES '*'	MATCHES '*'	MATCHES '*'	'example@email...	'Approver_Grou...	'Approver_UserId'	

Determine Task Due Date

Determine the due date duration for each step of the Real Estate Contract Valuation Posting Approval

Rule Service Name: Determine Task Due Date

Input: Refer – Approver Determination Strategy Rule [Input section](#).

Refer – Determine Approver Rule Result section.

Rule Definition

Text Rule

✓ If

Contract Valuation Posting Details.Approval Step = 'Cost Center Owner'

Then

Unit of Time: 'D'

Due Duration: 1

Text Rule

> If

✓ Else

Unit of Time: 'D'

Due Duration: 1

Determine Position

Determine the position who approves for each step of the Real Estate Contract Valuation Posting Approval

Input: Refer – Approver Determination Strategy Rule [Input section](#).

Result

Name	Label	Description	Business Data Type
PositionNumber	Position Number	Position number of person who approves contract posting valuation request.	String
PositionName	Position Name	Position Name of person who approves contract posting valuation request.	String

Rule

If					Then	
☐	Company Code	Contract Number	Contract Type	Cost Center	Approval Step	Position Name
☐	MATCHES '*'	MATCHES '*'	MATCHES '*'	MATCHES '*'	MATCHES '*'	'XYZ'
						'1'

Vocabulary Business Rule

Name	Label	Description	Business Data Type
companyCode	Company Code	Company Code to which contract valuation is posted.	String
contractType	Contract Type	Type of contract of contract valuation posted.	String

Determine Approvers from SAP S/4HANA via Integration Suite

Get approvers details for Real Estate Contract Renewal Approval from SAP S/4HANA through SAP Integration Suite. Refer to the [Integration section](#) for more information.

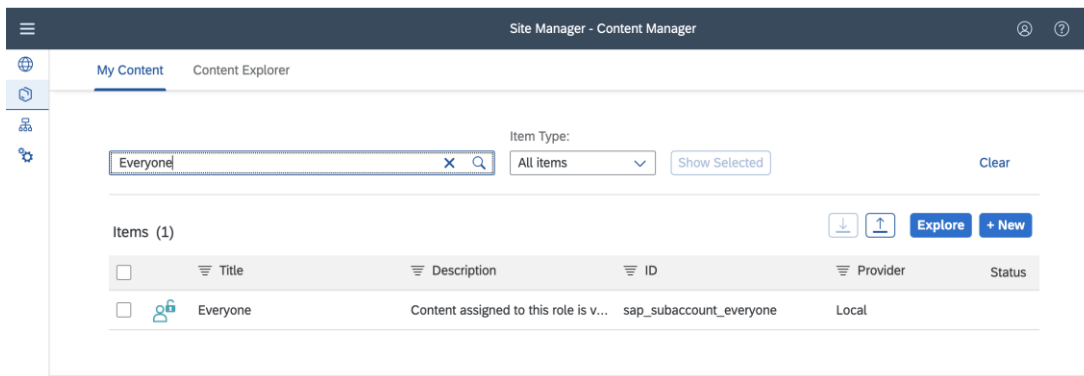
API Attributes	Values
Path	/http/getApproversrecvpawfm
HTTP Method	GET
Payload sent by workflow (sample data)	<pre>{ "d": { "positions": [{ "companyCode": "4001", "positionID": "50000508" }] } }</pre>
Response Payload from integration flow	RESPONSE STATUS, Ex 200 OK <pre>{ "d": { "approvers": [{ "userID": "app1", "emailID": "app1@test.com", "name": "Approver 1" }] } }</pre> Note: When Status is not 200, then it is considered a failed service call.
Payload Type	Application / JSON

Configure SAP Work Zone Site for SAP Build Process Automation

If you plan to use SAP Work Zone, then configure SAP Build Work Zone content using help documentation.

Add SAP Build Process Automation start UI in Work Zone Site

- Open SAP Work Zone site manager application.
- Select Content Manager and Content Explorer.
- Search **com.sap.RealEstateContract.RealEstateContractPostingStartUIModule** and select SAP UI5 component.
- Click Add to My Content button to include the UI5 component.
- Select My Content tab and Search Everyone.
- Click the role where you want to enable this application (for ex, Everyone) from the result and navigate to the details.



- Click Edit button to enable all users to access the new Start UI tile.
- Click New button and Select Group to create a new group.
- Add a Title for eg: Asset Acquisition under PROPERTIES.
- Click + button and Save button.

Process Visibility

Process Visibility capability in SAP Build Process Automation enables process owners and process operators to gain real time visibility on processes and key process performance indicators. It also enables customers gain out of the box process visibility into their deployed processes. Please refer [help documentation](#) for more details.

Real Estate Contract Valuation Posting Approval process content package provide out of the box visibility on all the process variants in SAP Build Process Automation. Line of business expert will be able to enhance the visibility scenario to their requirements.

Configure Visibility Scenarios in SAP Build Process Automation

1. Go to the SAP build process automation lobby.
2. Select Real Estate Contract Renewals Posting Approval Project.
3. Click to open **Real Estate Contract Renewals Posting Approval** scenario.
4. Click Activate button.

Please go through the [help documentation](#) on how to configure the visibility scenario.

Access Process Workspace in SAP Build Process Automation

The content package includes a process visibility scenario enable you to get real time visibility into the Real Estate Contract Renewal Approval Workflow. There is some performance indicators enable business users to gain transparency on how these workflows are performing. The process visibility configuration tool enables customers to further enhance the performance indicators to fulfill their requirements. Please go through [help documentation](#) on how to configure a visibility scenario.

You can access visibility workspace for Real Estate Contract Renewal Approval Workflow from the Process Workspace tile in Work Zone. If you do not see that tile in your Work Zone workspace then request your admin to give you the access. Please go through [help documentation](#) on how to access process workspace

Configure Work Zone to access the Real Estate Contract Renewal Approval Visibility Dashboard

1. Once you have added the applications process Visibility Scenario Instances (with app ID com.sap.spa.pv.instances) and Visibility Scenario Dashboard (with app ID com.sap.spa.pv.ovp), follow the below steps to add a tile to access the Real Estate Contract Renewals Posting Approval dashboard.
 - Navigate into “Visibility Scenario Dashboard”.
 - On the screen that opens, choose Create a Local Copy.
 - To use custom texts, choose Edit and adapt the texts in the General section.
 - You can use a custom title, description, and subtitle for the title.
 - Choose the Navigation tab.
 - Under the Intent section, ensure that the value in the Action tab is unique for every application.
 - Under the Parameters section, provide the following:

Parameter Name	Parameter Value
Name	scenariold
Default Value	com.sap.content.Real_Estate_Contract_Valuation_Posting_Approval
Required	Toggle to Yes

- Choose Save.
 - Assign the local copy to a group and make sure that they're visible to users. For more information, see [Assign Apps to a Group and to a Catalog](#) and [Assign Content to a Role](#).
2. Once created, select app that corresponds to “Real Estate Contract Renewals Posting Approval”.
 3. User will see the process visibility dashboard relevant to the “Real Estate Contract Renewal Approval” use case.