

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

Leased Asset Termination Approval

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Overview

This document provides information about setting up the SAP Business Technology Platform account to consume the workflow content package **Leased Asset Termination Approval**. The main audience of this document are technical IT/system administrators.

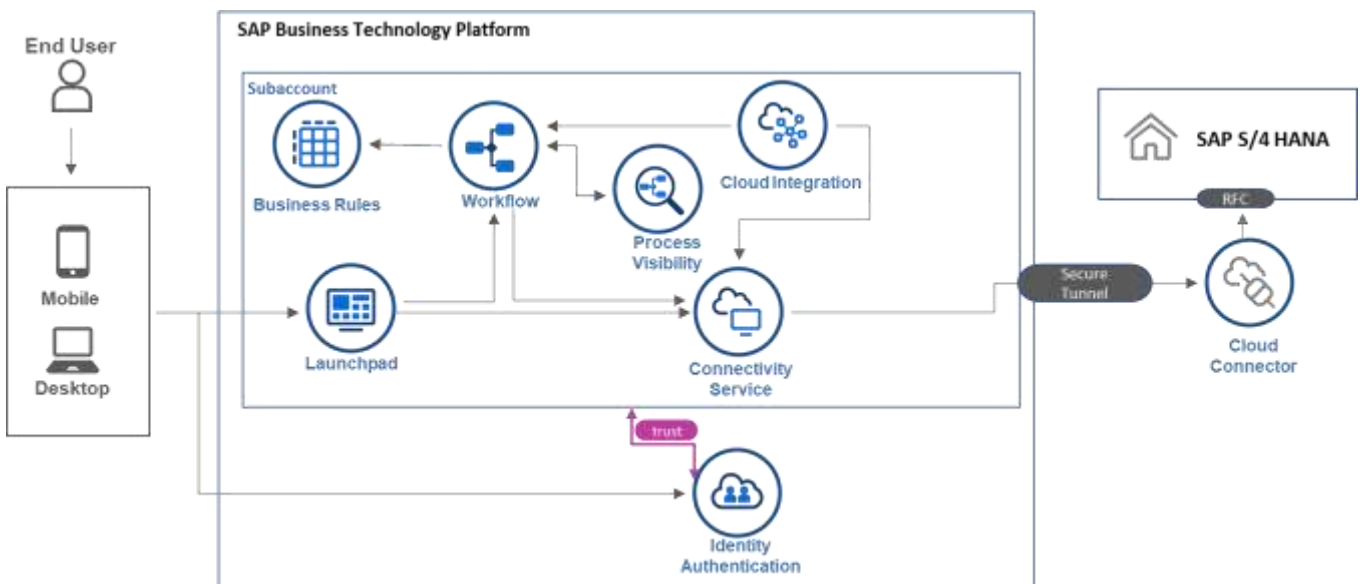
Objectives

The objective of the workflow is to take the approval for asset retirement as an outcome of early termination of contract.

Features

- Plug and Play with SAP S/4 HANA without additional development.
- New Process variants can be configured in a no-code approach.
- Agent/approver determination using Business Rules or external service.
- Pre-built integration content to call SAP S/4 HANA from SAP Workflow Management
- Out-of-the-box visibility into key process performance indicators.
- Pre-configured process steps to create new variants.
- Flexibility in determining process variants based on business conditions

Solution Diagram



Artifacts

A package consists of process templates, process steps, process variants, decisions, and process visibility models. Please refer [help documentation](#) about these artifacts.

Process

A process template is a set of business activities and tasks that, once completed, fulfills an organization goal. The **Leased Asset Termination Approval** package contains the following process template:

Leased Asset Termination Approval package where user can raise approval request for early termination of lease 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 Leased Asset Termination Approval.

Table 1. Process Steps

Process Steps	Cardinality	Detailed Description
Initialization	1..1 = mandatory step	Initialize the workflow attributes
Cost Center Owner Approval	1..1 = mandatory step	Workflow for the Cost Center Owner to take the action on the Leased Asset termination raised by the requestor
Approval	0..N = Optional step	Workflow for the approver to take the action on the Leased Asset termination raised by the requestor
Post lease terminated assets	1:1 = mandatory step	Workflow step for posting the lease terminated assets

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 Step	Properties	Detailed Description
Approval	Role	Role name of the approver who approves the Lease Termination Request

	Approval Step	Team ID which approves the Lease Termination Request which is used to determine approvers from business rules
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The process has attributes, and these attributes are available in process visibility to search approval process instances and to define process performance indicators. Please see Table 3 for more details.

Table 3. Process Attributes.

Process Attributes	Detailed Description
Requestor Name	Name of requestor who raised for lease termination of assets
Company Code	Company code of assets raised for lease termination
Approver Action	Net action taken by approvers on lease termination of assets
Contract Cost Center	Cost Center of assets raised for lease termination
Asset Retirement Value	Total retirement value of assets raised for lease termination
Currency	Currency of retirement value of assets raised for lease termination
Lease Key	Business key to uniquely identify lease termination approvals

Sample Context with Start Conditions

```
{
"assetContractDetails": {
"requestorEmail": "",
"requestorName": "XXX",
"requestedDate": "2021-11-01",
"companyCode": "4001",
"businessPartner": "10001",
"businessPartnerName": "LP Vendor 01",
"contract": "2000084",
"contractStartDate": "2021-04-01",
"contractEndDate": "2021-10-31",
"contractEarlyTerminationDate": "2021-10-31",
"contractValue": "86000.00 USD",
"contractCostCenter": "40011000",
"assetNumber": "800000000086",
"assetSubNumber": "0",
"assetDescription": "Leased Building - 1950 Lake Park Dr SE, Smyrna, GA 30080, US",
"assetAcquisitionDate": "2021-04-01",
"assetAcquisitionValue": "82799.79 USD",
"assetRetirementValue": "52294.61 USD",
"currency": "USD"
}
}
```

Sample Context without Start Conditions

```
{
"assetContractDetails": {
"requestorEmail": "",
```

```
"requestorName": "XXX",
"requestedDate": "2021-11-01",
"companyCode": "4001",
"businessPartner": "10001",
"businessPartnerName": "LP Vendor 01",
"contract": "2000084",
"contractStartDate": "2021-04-01",
"contractEndDate": "2021-10-31",
"contractEarlyTerminationDate": "2021-10-31",
"contractValue": "86000.00 USD",
"contractCostCenter": "40011000",
"assetNumber": "800000000086",
"assetSubNumber": "0",
"assetDescription": "Leased Building - 1950 Lake Park Dr SE, Smyrna, GA 30080, US",
"assetAcquisitionDate": "2021-04-01",
"assetAcquisitionValue": "82799.79 USD",
"assetRetirementValue": "52294.61 USD",
"currency": "USD"
}
}
```

Process Variants

A process variant consists of multiple process steps configured by a line of business expert. It is possible to create multiple variants of the same process.

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

The screenshot displays the SAP Process Flexibility Cockpit interface. On the left, a panel titled 'Lease UC Testing' shows 'Available Steps (3)'. The steps are: 'Approval: Approve Lease Termination Requests', 'Cost Center Owner Approval: Approve Lease Termination Requests', and 'Post Lease Terminated...: Post Lease Terminated Assets'. The central workspace shows a process flow diagram with a start node, followed by 'Cost Center Owner Approval' and 'PostLeaseTerminatedAssets', and ending at a red circle. On the right, the 'Process Variant Properties' panel is visible, showing 'Start Conditions' with a configuration: 'Asset Contract Details.Contract = 123' and 'Asset Contract Details.Compa... = 123'. The interface includes 'Undo', 'Redo', 'Save', and 'Activate' buttons at the top right.

Import and Configure Process Variants

1. In Process Flexibility Cockpit app, search for content package Leased Asset Termination Approval and import the same. Please refer the standard help document about [how to import a content package](#). This content package has 1 process template and process variant(s) for that template are required.

Decisions & Policies

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

Leased Asset Termination Approval enable customers to flexibly configure decisions to gain flexibility to

1. Approver Determination Strategy
2. Determine Task Due Date
3. Determine Approver
4. Determine Administrator

Approver Determination Strategy

Based on the business requirement approver can be determined by external service or business

rules.

Rule Service Name: Approver Determination Strategy

Input:

Asset Contract Details

Details | **Attributes** | Associations | Annotations

Simple Attributes

Name	Label	Description	Business Data Type
companyCode	Company Code	Company code of contract to be early terminated from lease.	String
approvalStep	Approval Step	Unique identification of the approval step.	String

Output:

Approver Determination Strategy

Details | **Attributes** | Associations | Annotations

Simple Attributes

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

Rule Definition

Approver Determination Strategy

Details | **Decision Table**

If		Then
Company Code	Approval Step	Determination Strategy
= 'XYZ'	= 'Approval Team'	'External Service'
		'Business Rules'

Determine Task Due Date

Based on the business requirement , due date until which approver can approver be determined by


this business rule.

Rule Service Name: Determine Task Due Date

Input:

Asset Contract Details

Details **Attributes** Associations Annotations


Simple Attributes + 

Name	Label	Description	Business Data Type	
companyCode	Company Code	Company code of contract to be early terminated from lease.	String	>
approvalStep	Approval Step	Unique identification of the approval step.	String	>

Output:

Approver Details

Details **Attributes** Associations Annotations

Simple Attributes + 

Name	Label	Description	Business Data Type	
Userid	User ID	User ID of the approver responsible for lease termination.	String	>
UserGroup	User Group	Group ID of the approvers responsible for lease termination.	String	>
Email	Email	Email address of the approvers responsible for lease termination.	String	>
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String	>
DueDuration	Due Duration in Days	Due Duration in Days	Number	>

Rule Definition



Determine Task Due Date

Details

Text Rule

Text Rule

▼ If

Asset Contract Details.Approval Step = 'Cost Center Owner'

Then

Due Duration in Days: 1

▼ Else

Due Duration in Days: 1

Determine Approver

Determine approvers for an approval step in lease termination approval process.

Rule Service Name: Determine Approver

Input:



Asset Contract Details

Details

Attributes

Associations

Annotations

Simple Attributes

Name	Label	Description	Business Data Type
companyCode	Company Code	Company code of contract to be early terminated from lease.	String
approvalStep	Approval Step	Unique identification of the approval step.	String

Output:

Approver Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type
Userid	User ID	User ID of the approver responsible for lease termination.	String
UserGroup	User Group	Group ID of the approvers responsible for lease termination.	String
Email	Email	Email address of the approvers responsible for lease termination.	String
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String
DueDuration	Due Duration in Days	Due Duration in Days	Number

Rule Definition

Determine Approvers

Details **Decision Table**

Decision Table

If		Then			
Company Code	Approval Step	Supervisor Email	Email	User Group	User ID
= 'XYZ'	= 'Approval Team'	'email@example.com'	'email@example.com'	'Approver_GroupId'	'Approver_Userid'

Determine Administrator

Determine administrators in case of any errors in fetching the approvers for lease termination approval.

Rule Service Name: Determine Administrator

Input:

Asset Contract Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type
companyCode	Company Code	Company code of contract to be early terminated from lease.	String
approvalStep	Approval Step	Unique identification of the approval step.	String

Output:

Administrator Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type	
Userid	User ID	User ID of the administrator.	String	>
UserGroup	User Group	Group ID of the administrator	String	>
Email	Email	Email address of the administrator.	String	>

Rule Definition

Determine Administrators

Details **Decision Table**

Decision Table

If	Then
Approval Step	Email User Group User ID
= 'Cost Center Owner'	'email@example.com' 'Admin_Groupid' 'Admin_Userid'
= 'Approval Team'	'email@example.com' 'Admin_Groupid' 'Admin_Userid'

Vocabulary Rule Project (Start Condition and Step Condition)

Asset Contract Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type	
companyCode	Company Code	Company code to which the asset belongs to.	String	>
contract	Contract	Lease Contract for early termination.	String	>

Determine Approvers from External Service

API Attributes	Values
Path	/http/getApproversLTleastermwfm
HTTP Method	GET
Payload sent by workflow (sample data)	<pre>\$.context.fetchApproversPayload = { "d": { "AssetContractDetails" : \$.Refer to Sample Context without Start Conditions under section Process --, "Role" : \$.context.role } };</pre>
Response Payload from integration flow	<p>RESPONSE STATUS, Ex 200 OK</p> <pre>"ApproverRulesResult": {"d": {"approvers": [{"supervisorEmail": "email@example.com", "email": "email@example.com", "userGroup": "Approver_GroupId", "userId": "Approver_UserId"}]}}</pre> <p>Note: When Status is not 200, then it is considered a failed service call.</p>
Payload Type	Application / JSON

Process Visibility

Process Visibility capability in SAP Workflow Management 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.

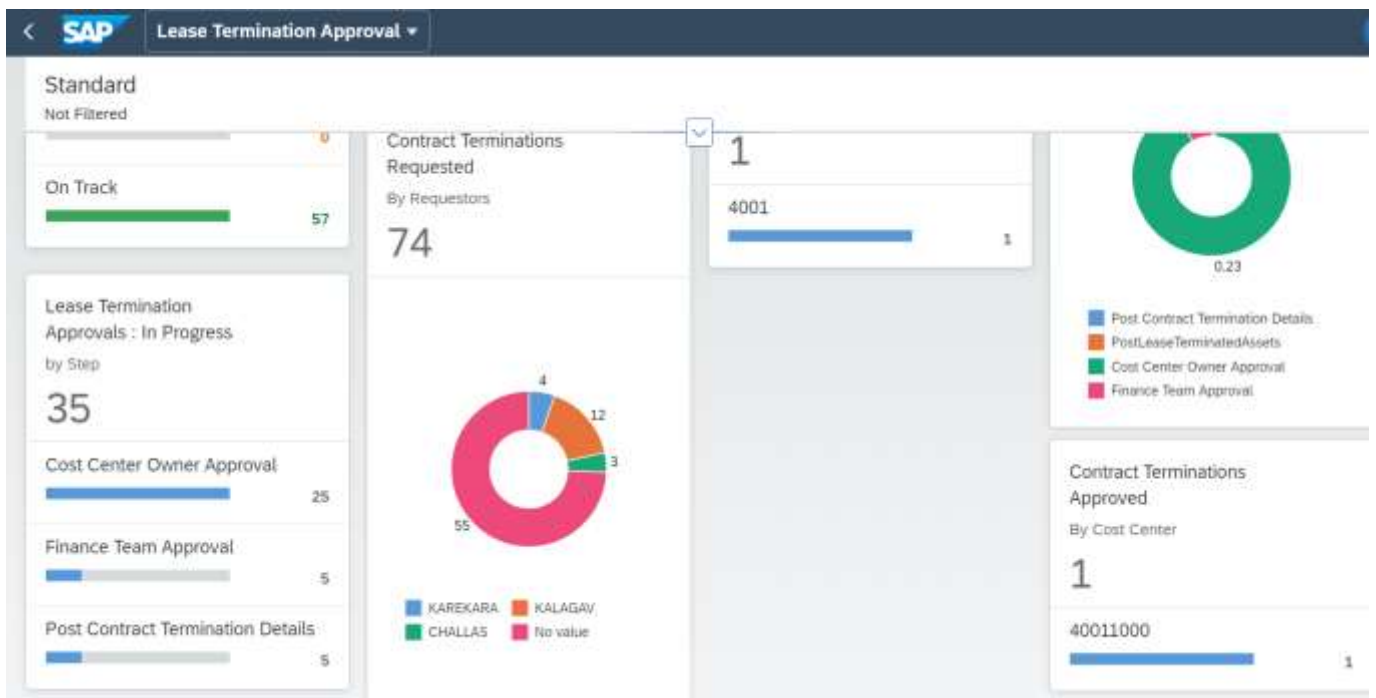
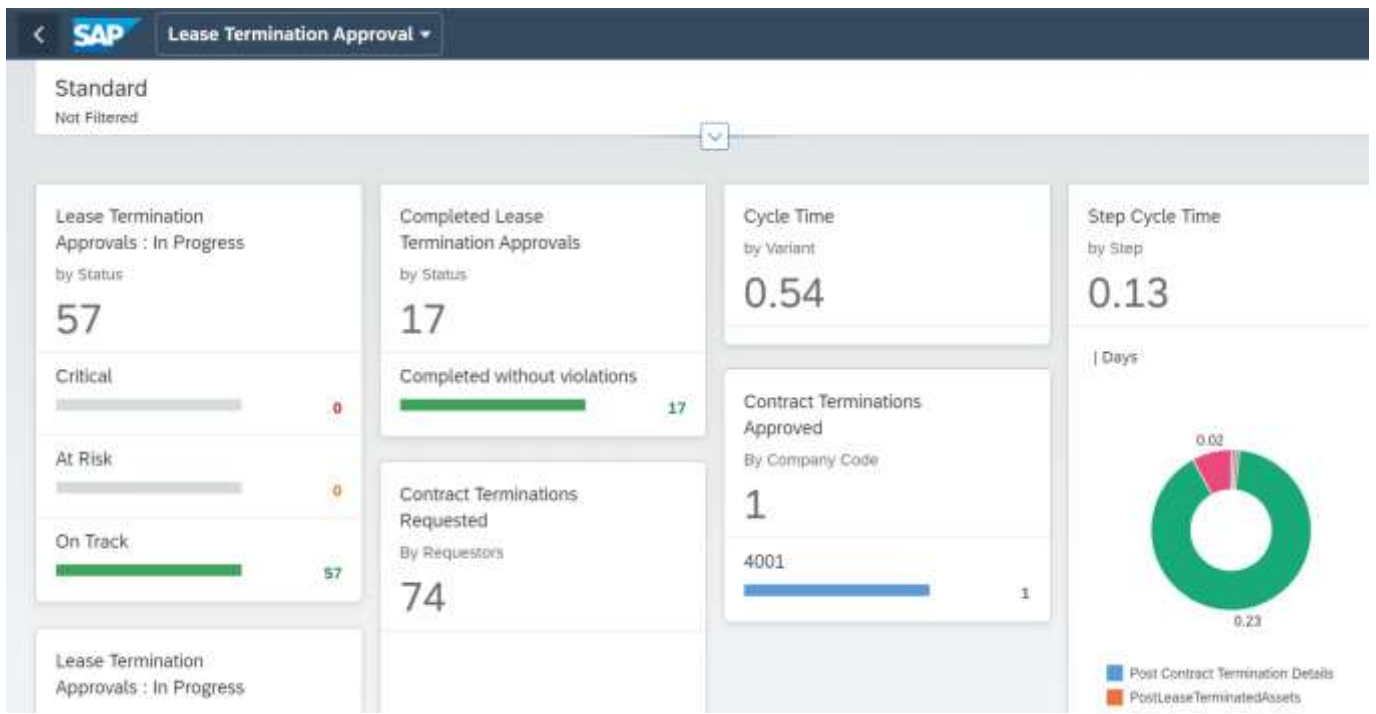
Leased Asset Termination Approval process content package provide out of the box visibility on all the process variants in SAP Workflow Management. Line of business expert will be able to enhance the visibility scenario to their requirements.

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

Access Process Workspace

1. Go to Process Flexibility Cockpit

2. Select **Leased Asset Termination Approval**
3. Click Live Process Insights **Lease Termination Approval**
4. User will see the below detailed process visibility dashboard.



Please go through [help documentation](#) on how to access process workspace.