



PUBLIC

SAP Build Process Automation

Mass Fixed Asset Retirement

Configuration and User Guide

Contents

Change Log.....	3
Overview	4
Prerequisites	6
Configuration Guide	9
Setup SAP S/4HANA	9
Configure SAP S/4HANA Destination	9
Setup Communication	10
Setup Build Process Automation Email.....	10
Setup Business Technology Platform Cockpit	10
Configure SAP Document Management Service	10
User Roles Configuration	11
Setup Build Process Automation Content	11
Import Content.....	11
Configuration & Modification	12
Configure Decisions	12
Configure Email.....	14
Configure Destination Settings.....	15
Release and Deploy the Process.....	16
Configure SAP Build Work Zone.....	17
SAP Business Application Studio for SAP UI5 Application	18
User Guide	19
Capabilities	19
Actions.....	21
Automation	22
Process	23
Forms	23
User Interface	24
Support.....	25

Change Log

Version	Date	Description
1.0.0	June 18, 2024	Document Created

This document contains 3 sections. Each section covers different information about this template content package.

1. Overview: In this section, you will get quick overview of the use case, what are high-level components used and how the template works in nutshell. Prerequisite section provides information of different services of SAP Business Technology Platform (BTP) that are required to use this template.

2. Configuration Guide: It contain sections which will guide you to setup your (a) SAP BTP Account with destination, cloud connector, user roles etc., (b) SAPUI5 application via SAP Business Application Studio and (c) Import and configure the template using SAP Build Process Automation design studio and (d) SAP Work Zone to access the My Inbox or Task Center and other applications.

3. User Guide: This section provides details about different artefacts that are used in this template like process definition, decision diagram, action project details, forms, email notifications etc. to better understand how different capabilities are used in this template.

Notes:

- This documentation is not a detailed guide to setup SAP BTP services. It assumes that IT admin who is setting the content is skilled with SAP BTP environment. Configuration section has to be mandatorily followed to import and configure the template.
- This template content is to accelerate your solution development. You must modify this template according to your requirements to achieve the desired business goal. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation and its capabilities.

Overview

This document provides information about setting up the SAP Business Technology Platform account to consume the SAP Build Process Automation **Mass Fixed Asset Retirement** template. The main audience of this document are technical IT/system administrators.

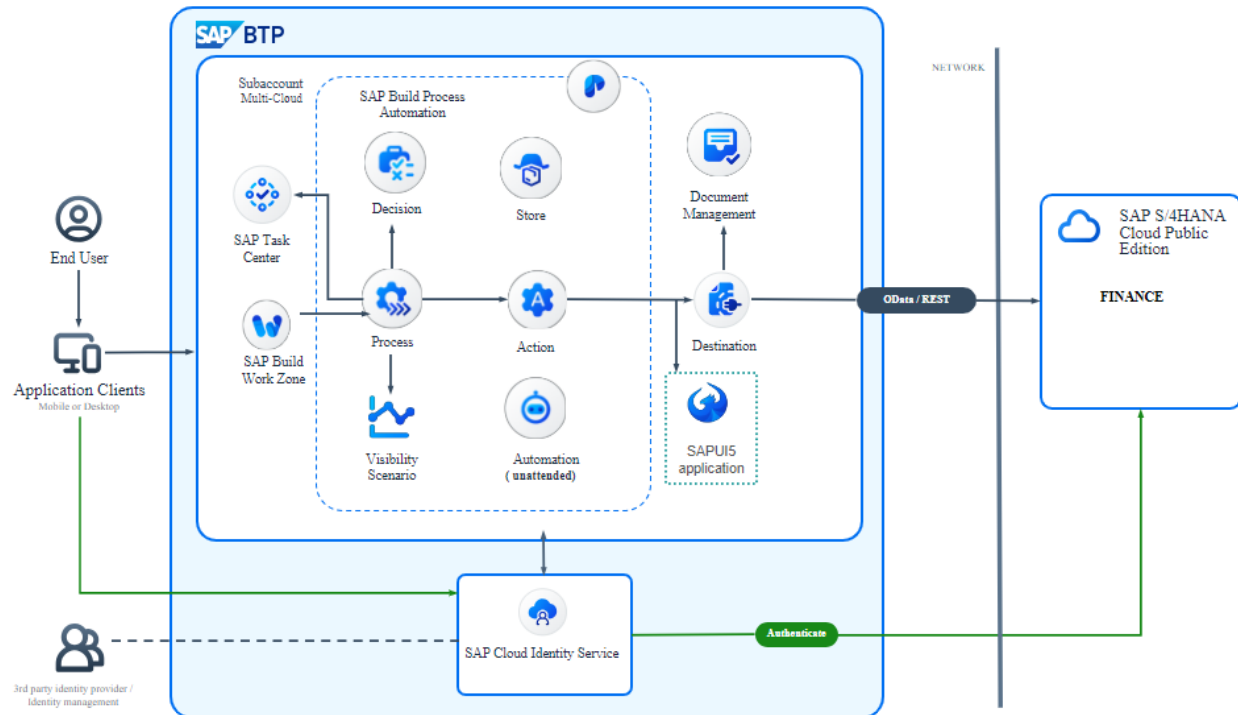
This package facilitates the posting of the mass fixed assets for retirement.

Features:

- Package provides Start UI application with download option that allows fetching of fixed asset retirement details from SAP S/4HANA system & gets the values in the excel that is sent to requester through email.
- It also provides upload option for uploading of excel with asset retirement details that needs to be posted.
- It includes approval flow for determining approvers and notifying them about the request for approval of the provided asset retirement details.
- Log reports are generated post approval and asset retirement posting.

Solution Diagram:

Mass Fixed Asset Retirement



Steps:

1. In Start UI, on selection of 'Download' request, user can provide required selection criteria and submit the form for fetching of asset details for retirement posting.
2. Fixed asset retirement details are fetched from SAP S/4HANA system in the excel template and is downloaded in the folder as provided in "Save To Folder" field.
3. Requester is notified with excel template as attachment via email.
4. User updates required additional data in excel template and uploads it in the Start UI by selecting "Upload" request type, then submits it for approval.
5. Approver is determined from decision table based on asset class & company code and is notified with an approval task in MyInbox.
6. Once tasks are approved, fixed asset retirement excel file is stored in predefined folder.
7. Automation reads the excel file and posts the fixed asset retirement data to SAP S/4HANA system.
8. Execution log file is created in excel format and sent to the requester through email.

Following explains the different excel template files that are used or created during the execution of this package:

- This package provides input excel template **MassAssetRetirementTemplate.xlsx** that needs to be kept in the base folder.
- Automation uses the input excel template to save the fetched data with name **"FixedAssetRetirementInput_<Timestamp>.xlsx"** in the 'Download' folder that is dynamically created in the base folder during the execution of the package. User must update the details of fixed asset for posting retirement to the SAP S4HANA system.

- Automation also generates the log report on completion of fetch operation with name **FixedAssetRetirementDownloadLogReport_<Timestamp>.xlsx in the base folder.**
- After POST call, the log report will be generated with the name of **"FixedAssetRetirementUploadLogReport_<Timestamp>.xlsx** and will be placed in the folder **"LogReport"** inside the base folder and notifies the requester through email about the completion with the log report attached to it.

Prerequisites

The following SAP Business Technology Platform services are required to consume the content package Mass Fixed Asset Retirement:

- SAP Build Process Automation to orchestrate the process.
- SAP Cloud Identity Services - Identity Authentication (Optional)
- SAP Connectivity service to establish access to SAP S/4HANA, Cloud Public Edition.
- SAP Business Technology Platform, Cloud Foundry runtime
- SAP Work Zone, standard or advanced edition for accessing MyInbox and Process Visibility workspaces.
- SAP Business Application Studio for SAP UI5 application
- SAP Document Management Service, Integration Option

Other Prerequisites

For this template to run successfully the following other prerequisites are needed

- SAP Desktop Agent 3.28 or higher.
- Outlook mailbox configured on the system where the automations will run to send mails with attachments.
- Make sure desktop agent is in unattended mode during the execution of this package.

Notes:

- This package is designed to work with the provided input template file structures. Do not change any column properties and structure. If any changes done in the input template structure, respective process & automation implementation also need to be updated to handle those changes.
- You can decide the base folder where the input template should be placed & required excel reports & output folders will be created. This must be provided in environment variable while deploying the package.
- The input template **MassAssetRetirementTemplate.xlsx** is available with this package & must be placed inside the base folder.
- The input excel has 3 sheets 'FieldList', 'Asset Retirement' and "Ledger". For asset retirement posting, required asset details needs to be provided in "Asset Retirement" & "Ledger" sheets.

In Field List sheet, mandatory fields details are updated. Please fill mandatory fields and upload input template. If mandatory fields are not filled, then Automation will throw errors.

Note: Please refer to this link for detailed information:
https://balo.san.com/docs/SAP_64HANA_CLOUD/5bcca49988234de2b552c36602e52a2/d83dbf95e8523412daa1997e66cc9de89.html

With download operation, asset retirement details such as Asset number, sub number, company code, asset class etc are fetched from SAP S/4HANA system & updated in the excel.

For asset retirement posting, data needs to be updated in this excel sheet with correct asset retirement details.



Template: Mass Asset Retirement

MasterFixedAsset	Ledger						
Text	Text						
Main Asset Number	Ledger						
500004	0L						
500004	2L						
500004	3L						

FieldList
Asset Retirement
Ledger
+

Note: For detailed information on asset retirement data properties & values that needs to be provided for different business transaction types , [click here](#)

Configuration Guide

Mass Fixed Asset Retirement template requires SAP Build Process Automation subscription or CPEA contract. Follow the [setup and configuration section](#)

Setup SAP S/4HANA

Configure SAP S/4HANA Destination

Configure Destination to Connect to SAP S/4HANA cloud public edition.

Destination Property	Value
Name	<Name>
Type	HTTP
URL	<SAP S/4HANA endpoint> Example: https://<s4system-name>-api.xxxxxxxx
Proxy Type	Internet
Authentication	Basic Authentication
Username	<Username> of the SAP S/4HANA Communication User
Password	<Password> of the SAP S/4HANA Communication User

Note: Add the following additional properties to the destination

Destination Additional Property	Value
HTML5.DynamicDestination	True
sap.applicationdevelopment.actions.enabled	True
sap.processautomation.enabled	True

Setup Communication

To run this template, you must have a communication user, create communication arrangements between the communication user and the following communication scenarios, and assign those communication arrangements to a communication system.

Steps to Create Communication System and Communication Arrangement are available in below documentation links:

[How to Create Communication Systems | SAP Help Portal](#)

[How to Create a Communication Arrangement | SAP Help Portal](#)

[Configuration and Role Details for accessing "Communication Systems" application.](#)

[Configuration and Role Details for accessing "Communication Arrangements" application.](#)

List of communication scenarios to be configured.

Communication Scenario	Related API
Finance - Fixed Asset Integration (SAP_COM_0563)	https://api.sap.com/api/CE_FIXEDASSETRETIREMENT_0001/overview
Public Sector API Integration(SAP_COM_0761)	https://api.sap.com/api/API_COMPANYCODE_SRV/overview

SAP Build Process Automation Email

Configure email destination which will be used to send email to the approver, requestor, and admin at different staged of the process execution.

Follow the steps to [Configure a SMTP Mail Destination](#) in your BTP account.

- For more information refer to [Create HTTP Destinations](#) and [OAuth Client Credentials Exchange Authentication](#).

Setup Business Technology Platform Cockpit

Configure SAP Document Management Service

In this template, the Input Template document for Mass Fixed Asset Retirement and any supporting documents can be uploaded in the approval form which are then made available as attachments for review and approval to the respective participants. To upload the document from the form, you will need SAP

Document Management Service or equivalent CMIS repository and a corresponding destination in SAP BTP to connect to the repository.

- Follow the instructions to configure [SAP Document Management Service for Attachments](#)
- Add service instance and service key (follow [this](#)) and repository (follow [this](#)) to Configure the Destination
- Configuring destination, refer [Configure SAP Document Management Service Destination](#)

Note: The destination needs to be created with **sap_process_automation_document_store** name.

User Roles Configuration

To access this template, the business user will need these roles:

Role Collection Name	Purpose
Process Automation Developer	Standard Business User, can model and publish processes
TaskCenterAdmin	Permission to execute calls to the Connector Status API and monitor configured destinations and running background jobs.
ProcessAutomationParticipant	To execute (like accessing MyInbox, running the automations, etc.) this content package, you need to have this role assigned to the respective user.
ProcessAutomationAdmin	To perform process admin activities like accessing monitoring application etc., you need to have this role assigned to the respective user.
Business_Application_Studio_Administrator	Allows administrators to manage (export and delete) user data.
Business_Application_Studio_Developer	Allows developers to load and develop applications using SAP Business Application Studio.

For more information about SAP Build Process Automation roles, see [Authorizations](#).

Setup Build Process Automation Content

Standard automation packages released by SAP will be available at the [SAP Build Store](#)

Import Content

This template can be downloaded from the Store:

1. Navigate to the Store in your SAP Build Process Automation account.
2. Select the Project Type filter as “process automation”.
3. In the Search bar type “**Mass Fixed Asset Retirement**”

4. Select the “Create from Template” button to add the template into your lobby.
5. After successfully adding the template, navigate back to the lobby to find the “Mass Fixed Asset Retirement” template available for use.

Configuration & Modification

Once you have added the content to your lobby, you will find the project in your project list. Adapt the content template based on your requirements, and then release and deploy from the Lobby. In case any enhancement needs to do then follow the below reference links.

Create an Automation

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-automation-process-automation>

Create a Business Process

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-business-process>

Create a Forms

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-form>

Create a Decision

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-decision>

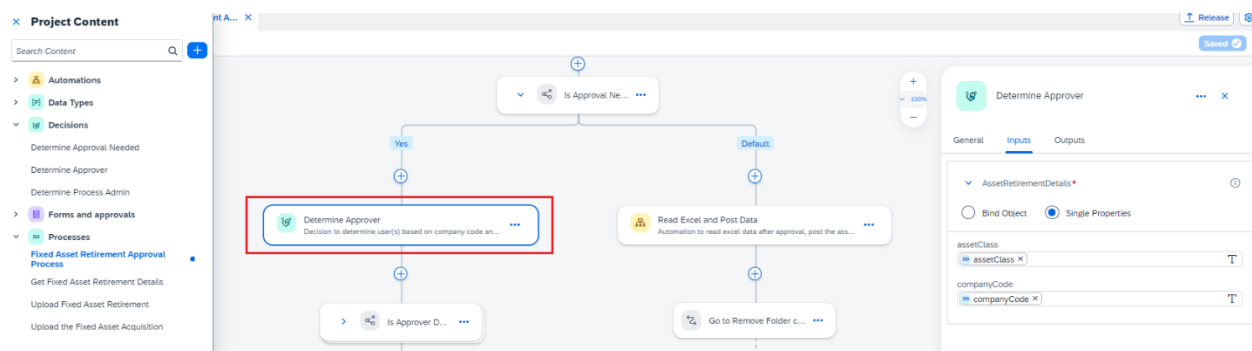
Create a Datatype

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-data-type-process-automation>

Configure Decisions

We have following decisions in this template.

Determine Approver - This decision is used to determine the approver email id, user id, user group based on company code and asset class where the approval task for the grouped Asset Retirement will be sent.



These decisions must be modified for conditions and result values based on your business policies and requirements. To modify the decision:

- In process editor, double click to open the Decision.
- Select the rule from the decision diagram.

The screenshot shows the SAP Process Editor interface. On the left, a process diagram highlights the 'Determine Approver' decision node. On the right, the configuration panel for 'Determine Approver' is displayed. The 'Inputs/Output' tab is active, showing input and output parameters. A red box highlights the configuration fields.

Input Parameters			
Name *	Description *	Type *	List
AssetRetirementDetails	Fixed Asset Retirement Details	Asset Retirement Grouping ...	☐

Output Parameter			
Name *	Description *	Type *	List
ApproverDetails	Approver Details	Approver Details	☐

The attributes used in the decision rule can be selected as per requirement.

The screenshot shows the 'Edit Rule' dialog box for the 'Determine Approver' decision rule, specifically the '2. Configure Conditions' step. The 'Vocabulary' section on the left lists available fields. The 'Condition Details' table on the right shows selected conditions. A red box highlights the selected conditions.

Condition Attributes	Label
☐ AssetRetirementDetails.companyCode	companyCode
☐ AssetRetirementDetails.assetClass	assetClass

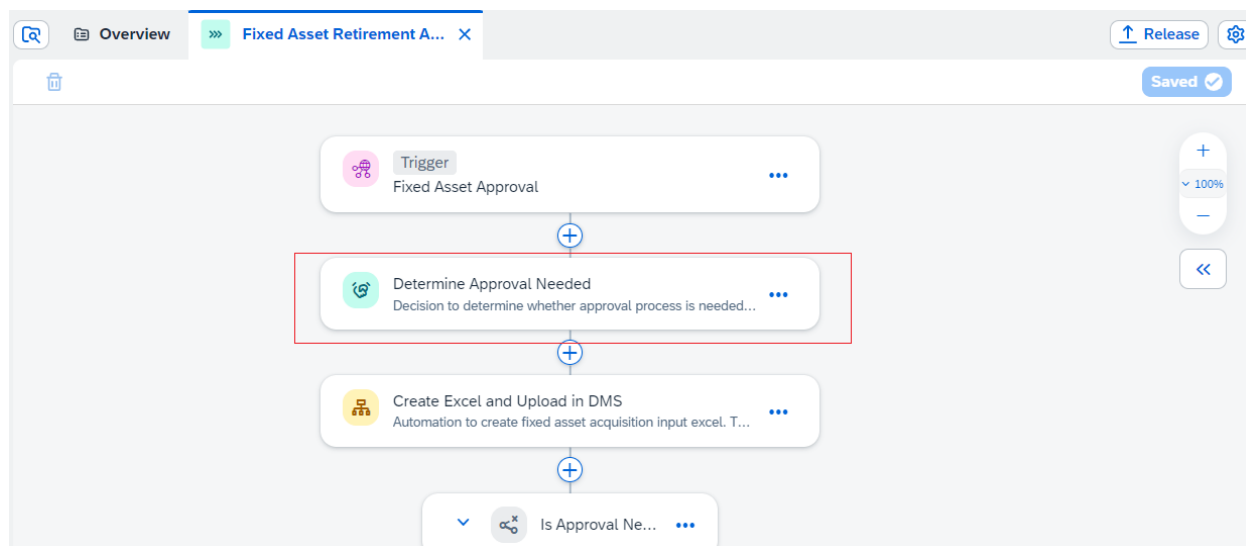
- Edit the rule to add more rows or update existing values.

The screenshot shows the SAP Process Editor interface. On the left, a process diagram highlights the 'FixedAssetApprover' decision node. On the right, the configuration panel for 'FixedAssetApprover' is displayed. The 'Decision Table' is shown with a red box highlighting the table structure.

Decision Table				
If	Then			
☐ companyCode	assetClass	ApproverEmailId	UserId	UserGroup
☐				

Determine Approval Needed – This decision is used to determine whether the approval is required or not for Asset Retirement. If required, it will group the Asset Retirement and send for the approval else automation for posting of asset retirement gets executed.

This decision can be selected from process “**Fixed Asset Retirement Approval Process**” and these decisions must be modified for conditions and result values based on your business policies and requirements. To modify this decision, follow similar steps as those mentioned for Decision **Determine Approver**.



Determine Admin- This decision is used to determine the admin email id, user id, user group based on company code and asset class if approver is not maintained in Determine Approver decision.

This decision can be selected from process “**Fixed Asset Retirement Approval Process**” and these decisions must be modified for conditions and result values based on your business policies and requirements. To modify this decision, follow similar steps as those mentioned for Decision **Determine Approver**.

Configure Email

Email notifications are sent to requestor and approver at different places during process and task execution. All the email artefacts in the process have default template body which can be changed.

To update the email body content, do the following:

- Open “**Fixed Asset Retirement Approval Process**” process artefacts
- Select the mail artefact in the process.
- From the **Settings** in the right-side panel, check the **Mail Header** to confirm the **To** field (or email recipients) and the **Subject**. You can adjust the subject and recipient, if needed.
- You may also add someone in **CC**.
- Click to ‘**Open Mail Body Editor**’.

Value Binding

Search

Determine Admin

AdminDetails
EmailId
UserGroup
UserId

Determine Approver

ApproverDetails
ApproverEmailId
UserGroup
UserId

B

i

U

Dear Admin,

The approval process is blocked for the below company code and asset class for Fixed Asset Acquisition as the approver is not maintained. Please assign an appropriate user or group to the process instance for the approval process to continue from the monitoring application.

Company Code: » companyCode x

Asset Class: » assetClass x

Process Instance Id: » Process Instance Id x

Please follow below steps to assign approver:

1. Open "SAP Build Process Automation"
2. Go to "Monitoring" tab
3. Open "Process and Workflow Instances" app
4. Search for above mentioned "Process Instance Id"
5. Click on the searched process instance
6. Click on "Additional Options" (denoted by three dots i.e. "...")
7. Click on "Show Tasks"
8. Click on "Assign Processor"
9. Enter the approver user-id

Apply

Cancel

- The mail editor allows you to write and adjust text according to your needs. You can also reuse information that has been collected during the process. If you want to use additional process context data, you can simply drag the fields from the left menu to the editor on the right.

For more information on email configuration and text, refer to the below link:

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/add-mail-notifications-to-process?q=email%20body>

Configure Destination Settings

Actual destinations that are created in SAP BTP cockpit will be required when you deploy the process. This actual destination will be mapped the destination environment variables during deployment.

For this package following destination needs to be configured in the SAP BTP cockpit:

- S4HANA_CLOUD**
- sap_process_automation_document_store**

Note: Above destination names have been configured in BTP but can be named as per the project requirement.

To configure destination,

- Click on **Settings**.

- Select **Destinations** from the left panel.
- Click **New Destination**

Select these destinations to be added (Created in the above section). For more information and screen shots, please refer to the below link:

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/manage-destinations?q=destination%20setting>

Release and Deploy the Process

After configuring your process, it's time to publish, test and run it. To run a process, you must first release and deploy it.

Release - This locks the version of your process, meaning that no further edits can be made to that version. At this stage, the process can't be run and isn't available to participants yet.

To release a version of your process,

- First ensure that the status is listed as 'Editable'.
- Then click 'Release'.

The screenshot shows the SAP Build Process Automation interface for a process named 'Mass Fixed Asset Retirement'. The status is 'Editable'. The interface includes a top navigation bar with 'Overview', 'Notify Requestor On Rej...', 'Upload Fixed Asset Retir...', 'Process Input Excel Doc...', and 'Fixed Asset Retirement A...'. A 'Release' button is visible in the top right. Below the navigation bar, the process details are shown, including 'Update' (Last Updated On: May 10, 2024), 'Creation' (Created On: April 10, 2024), and 'Bundle Size' (Project Size: 505.83 KB, Estimated Package Size: 153.92 KB). Below this, there are tabs for 'Artifacts (36)', 'Triggers (3)', and 'Dependencies (5)'. The 'Artifacts' tab is active, showing a table with columns: Name, Description, Type, Last Edited, Last Edited By, and Created On. One artifact is listed: 'Add Asset Retirement Details in Excel'.

Name	Description	Type	Last Edited	Last Edited By	Created On
Add Asset Retirement Details in Excel	Automation to add fixed asset retirement details which are grouped on the basis of company code and asset class into the input excel template and save it in a predefined folder.	Automation	12 days ago	hari.pradhan@sap.com	April 23, 2024

If this is the first time you've released the process, a version labelled 1.0.0 is released. For subsequent releases, you're prompted to select a version type before the process is released.

Deploy – This takes a released version of a process and enables it to be actively run and monitored. A deployed version of this approval process unlocks the request form, allowing participants to submit requests and the approvers to view items in their inbox.

To deploy a released version of your process,

- First ensure that the status is listed as 'Released'.
- Then click "Deploy"

Mass Fixed Asset Retirement 1.0.0 Released

Automates mass asset retirement posting in SAP S/4HANA system

Creation

Created On: May 15, 2024 Agent version: 3.27 Collaborators: You Attributes: 1

By: You

Artifacts (36) Triggers (3) Dependencies (5)

Name	Description	Type
Add Asset Retirement Details in Excel	Automation to add fixed asset retirement details which are grouped on the basis of company code and asset class into the input excel template and save it in a predefined folder.	Automation
Admin Details	Data type for maintaining administrator details like administrator email id, user id and user group.	Data Type

To deploy your project, you will be prompted to provide a Destination as an environment variable. Select the destination from the drop-down.

1. **BaseFolderPath:** provide base folder path where all log reports and processed excel files will be stored.
2. **Destination:** Destination to connect to SAP S/4HANA cloud public edition
3. **DMS_Destination:** Destination to connect to Document Management Service

Note: If you do not map your destination environment variable with correct SAP BTP destination during deployment, then the process will enter erroneous state when it tries to connect to the external system.

Configure SAP Build Work Zone

Configure SAP Build Work Zone to access the start UI for this automation. Please refer help documentation [Configuring SAP Build Work Zone](#)

Once SAP Build Work zone is configured, perform the following steps to create the tile for the start UI:

1. Open Content Manager and click on the HTML5 Apps
2. Select the M Asset Retirement Start UI from the list of apps and choose Add.

Site Manager - Content Manager

Content Manager

M Asset Retirement Start UI All Items Show Selected Clear

Filtered Search Results (1)

Type	Title	Description	ID	Channel	Last Modified
HTML5 Apps	M Asset Retirement Start UI	M Asset Retirement Start UI	com.sap.MAssetRetirementStartUIModule	HTML5 Apps	19/04/2024

Items (1-1)

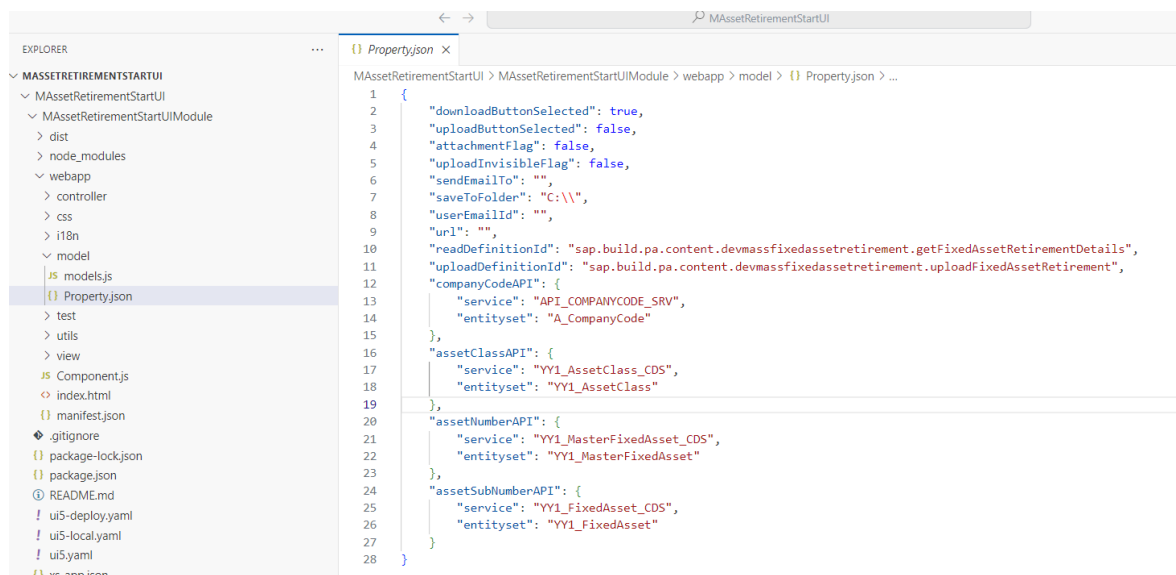
3. Add the relevant roles to the user. The M Asset Retirement application start UI will be available to the user as a tile in the launchpad.

SAP Business Application Studio for SAP UI5 Application

Import and deploy SAPUI5 application:

Following steps can be followed to utilize the SAP UI5 application provided with this process package:

- Download the SAPUI5 application tar file from the imported store project, it will available under the file section in the package.
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- Ensure that you have already created the SBPA instance and the same instance details need to be updated in the mta.yaml file available in the SAP UI5 application project.
- Update your process definition id (Package needs to be deployed) in the 'Property.json' file (property: readDefinitionId, uploadDefinitionId) as shown in the following snippets (definition id only needs to be updated in start UI application).
- **readDefinitionId** process will be used to read and download the data.
- **uploadDefinitionId** process will be used for approval process.



```

1  {
2    "downloadButtonSelected": true,
3    "uploadButtonSelected": false,
4    "attachmentFlag": false,
5    "uploadInvisibleFlag": false,
6    "sendEmailTo": "",
7    "saveToFolder": "C:\\\\",
8    "userEmailId": "",
9    "url": "",
10   "readDefinitionId": "sap.build.pa.content.devmassfixedassetretirement.getFixedAssetRetirementDetails",
11   "uploadDefinitionId": "sap.build.pa.content.devmassfixedassetretirement.uploadFixedAssetRetirement",
12   "companyCodeAPI": {
13     "service": "API_COMPANYCODE_SRV",
14     "entityset": "A_CompanyCode"
15   },
16   "assetClassAPI": {
17     "service": "YY1_AssetClass_CDS",
18     "entityset": "YY1_AssetClass"
19   },
20   "assetNumberAPI": {
21     "service": "YY1_MasterFixedAsset_CDS",
22     "entityset": "YY1_MasterFixedAsset"
23   },
24   "assetSubNumberAPI": {
25     "service": "YY1_FixedAsset_CDS",
26     "entityset": "YY1_FixedAsset"
27   }
28 }

```

- Build SAPUI5 project using mta.yaml file & the generated project (generated mtar file will be available in the mta_archives folder) file can be deployed.
- After successful deployment of the project, it can be accessed using through SAP standard work zone & user can provide the required asset retirement details & submit the form for the approval & posting.

User Guide

Capabilities

The following are the capabilities of this template:

Icon	Type	Name	Description
	Automation	Add Asset Retirement Details in Excel	Automation to add fixed asset retirement details which are grouped on the basis of company code and asset class into the input excel template and save it in a predefined folder.
	Automation	Read Excel and Post Data	Combined automation for read excel after approval process and post the data to create mass asset retirement in system and generate log report
	Automation	Create Excel and Upload in DMS	Automation to create fixed asset retirement input excel by adding grouped company code and asset class details and call the automation to upload the excel in document management service which is displayed in asset retirement approval form to help the approver to review the fixed asset retirement details.
	Automation	Create Folder	Automation to create a new folder only if the folder doesn't already exist in the base folder path provided by user.
	Automation	Create Folder in DMS	Automation to create folder in document management service to store the excel file
	Automation	Create Log Report for Download Operation	Generates log report which indicates how many records being fetched from api and update it in the excel file.
	Automation	Delete item from DMS	Automation to delete item from document management service using object id
	Automation	Download DMS Document	Automation to download excel from document management service and fill the data coming from get api into the excel.
	Automation	Folders Deletion in DMS	Automation to delete file folder from document management service after the processing using folder object id
	Automation	Generated Excel File After Download Operation	Automation to fill data of fixed asset from download operation into Excel template file and save with a new filename.
	Automation	Generating Log file for Upload Operation	Automation to generate log report for fixed asset retirement upload operation which will show how many records are success or failed and give the detailed information regarding each and every record

	Automation	Get Fixed Asset Retirement Detail	Automation to get fixed asset retirement details using get api and prepare a log report and send it to user through email
	Automation	Get Folder Content	Automation to get folder content like object id, object name, object type from document management service
	Automation	Move Files from ToBeProcessed Folder to Processed Folder	Automation to move input excel template from to be processed folder to processed folder.
	Automation	Notify Requestor On Rejection	Automation to send task rejected email to user with attachment if approver rejects the task.
	Automation	Prepare Payload and Post the data	Automation to prepare payload using excel data and post the data to for asset retirement after approval
	Automation	Process Input Excel Document from DMS	Automation to download and read document from document management service and group the data based on company code and asset class and call fixed asset retirement approval process
	Automation	Read the Excel and Get Data	Automation to read the excel file after approval and get the data from the excel sheet
	Automation	Remove Folder content in DMS	Automation is to remove the folder content and folder details in document management service after the approval process.
	Automation	Sending Email with Input Template and Log Report for Download Operation	Automation to send generated excel file with data after download operation to the user with log report
	Automation	Upload DMS Document	Automation to upload excel with data in document management service which is being used to show in approver task as attachment
	Process	Fixed Asset Retirement Approval Process	Process to send approval request to approver using form and post the data into SAP S/4HANA system after approver approves the task and send email to requestor if task is rejected
	Process	Get Fixed Asset Retirement Details	Process to call automation to get asset retirement details and create log report for complete data and send email to requestor with log report
	Process	Upload the Fixed Asset Retirement	Initial process to trigger automation to post the mass asset retirement details in SAP S/4HANA
	Form	Asset Retirement Approval Form for Approver	Mass fixed asset retirement approval form which will be shown to approver (maintained in decision table) in MyInbox task with company code, asset class and excel file.

	Decisions	Determine Admin	Decision to determine process administrator who will assign approvers when no approver is maintained in determine approver decision.
	Decisions	Determine Approval Needed	Decision to determine whether approval process is needed or not for the fixed asset retirement.
	Decisions	Determine Approver	Decision to determine approver details such as approver email id based on company code and asset class who will approve the posting of asset retirement
	Data type	Admin Details	Data type for maintaining administrator details like administrator email id, user id and user group.
	Data type	Approver Details	Data type for maintaining approver details like approver email id, user id and user group.
	Data type	Asset Retirement Data Type	Created an asset retirement data type which contains all the excel fields required in process to be used as input.
	Data type	Asset Retirement Grouping fields	Created a data type (asset retirement grouping fields) which is having company code and asset class grouping fields to use it in process
	Data type	DMS Objects	Data type used to store objectid, name and object type for document management service file and folders
	Data type	Document Folder Path	Data type to store document folder path which will be used in processes to pass the file from one artifact to another artifact
	Data type	ReadScreenData	Data type for download operation to get the fields like URL, requestor email id, 'save to folder' from download UI
	Data type	UploadScreenData	Data type to store the user email id, file object id, file name which is coming from upload operation UI and use it in the process
	File	MassAssetRetirementTemplate.xlsx	Standard input template used in mass fixed asset retirement scenario
	File	MAssetRetirementStartUI.tar	Start UI application file

Actions

Fixed Asset – Get Asset Details for Retirement Posting:

This action is responsible to read the fixed asset details that can be posted for retirement.

Fixed Asset– Post Asset Retirement:

This action is responsible for postings of assets for retirement using provided data in the payload.

Automation

Following provides brief information about some of the automation used in this package:

Get Fixed Asset Retirement Data:

Automation to get fixed asset retirement details using get api and prepare a log report and send it to user through email.

API	API Path	Purpose
https://api.sap.com/api/CE_FIXEDASSETACQUISITION_0001/path/get_FixedAssetAcquisition	/sap/opu/odata4/sap/api_fixedassetacquisition/srvd_a2x/sap/fixedassetacquisition/0001/FixedAssetAcquisition	Get the Fixed Asset details that can be posted for retirement.

Note: Automation fetches the assets that can be posted for retirement (i.e. asset with Business transaction types as RA10(Acquisition (Net)) or RA50(Post-Capitalization))

Create Excel and Upload in DMS:

Automation to create fixed asset retirement input excel by adding grouped company code and asset class details in fixed asset input excel template and call the automation to upload the excel in document management service which is displayed in asset retirement approval form to help the approver to review the fixed asset retirement details.

Read Excel and Post Data:

This Automation will read the excel file by automation “Read the Excel and Get Data” and post the data to SAP S/4HANA and it will generate the log file for the posted data by executing the automation “Prepare Payload and Post the data”.

API	API Path	Purpose
API_FIXEDASSETRETIREMENT	/sap/opu/odata4/sap/api_fixedassetretirement/srvd_a2x/sap/fixedassetretirement/0001/FixedAssetRetirement/SAP_self.Post'	POST API to Create the maintenance orders

Create Log Report for Download Operation:

Generates log report which indicates how many records being fetched from api and put it in excel sheet.

Generated Excel File After Download Operation:

Automation to fill data of fixed asset from download operation into Excel template file and save as new filename.

Generating Log file for Upload Operation:

Automation to generate log report for fixed asset retirement upload operation which will show how many records are success or failed and give the detailed information regarding each record.

Notify Requestor On Rejection:

Automation to send task rejected email to user with attachment if approver rejects the task.

Sending Email with Input Template and Log Report for Download Operation:

Automation to send generated excel file with data after download operation to the user with log report.

Process

Fixed Asset Retirement Approval Process:

This process will notify the approver to approve the asset details for retirement posting with the approval form and notifies the requester about the execution with the log report or rejection email based on approver action.

Upload the Fixed Asset Retirement:

The process "Upload the Mass Fixed Asset Retirement" gets triggered via Start UI form submission. This process will call the "Process input excel document from DMS" automation to read data from SAP Document Management Service.

Get Fixed Asset Retirement Details:

In Start UI, whenever user triggers the 'Download' request after filling selection criteria, this Process will be triggered to get all the fixed asset retirement details that matches based on the selection criteria.

Forms

Asset Retirement Approval Form for Approver:

Mass fixed asset retirement approval form which will be shown to approver (maintained in decision table) in approver task with company code, asset class and excel file to approve the task.

SAP

My Inbox

All Tasks (24)

REFRESH

Reserved by You

Approval form for Fixed Asset Retirement Documents Based o...

automation:aa6a32... Medium

Asset Retirement Approval Form for Approver

Review and approve fixed asset retirement

Download the attached excel to review the request to post the fixed asset retirement in SAP S/4HANA. Approve or reject the request with appropriate comments.

Company Code

1710

Asset Class

2000

Fixed Asset Retirement Details

FixedAssetRetirementInput_1...

↓

Comment*

Enter text

Approve

Reject

Show Log

Release

User Interface

Start UI

Users can provide the values for the filter criteria then click “Download” button to trigger ‘Get Fixed Asset Retirement Details’ process and get the data from SAP S/4HANA System and download it in the excel file.

<

SAP

Mass Asset Retirement

Q

Request Type*

☒ Download
 ☐ Upload

Company Code: *

Asset Class:

Asset Number:

Asset SubNumber:

Send Email To: *

Save To Folder: *

Download

Cancel

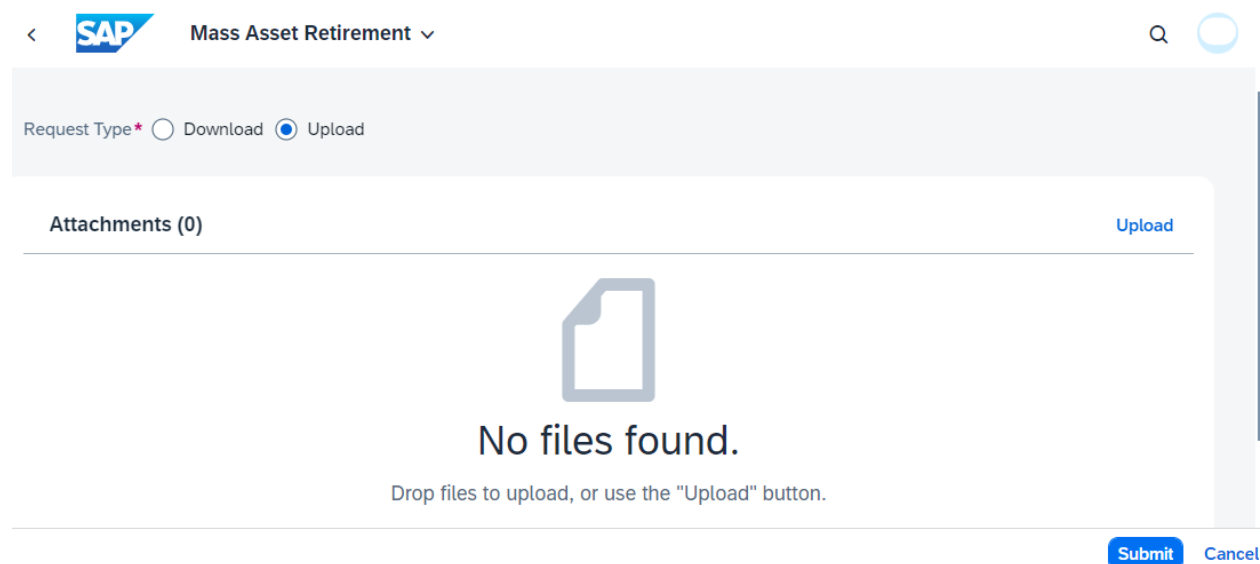
24

© 2023 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to SAP Materials for general audiences.

SAP

Choose “Upload” Request Type and upload the Fixed Asset Input Template and click “Submit” button. It will trigger ‘Upload the Fixed Asset Retirement’ process.

Note: Multiple files upload is not supported.



The screenshot shows the SAP interface for 'Mass Asset Retirement'. At the top, there is a navigation bar with the SAP logo and a dropdown menu. Below this, the 'Request Type' section has two radio buttons: 'Download' and 'Upload', with 'Upload' selected. The 'Attachments (0)' section displays a large document icon and the text 'No files found.' Below this, it says 'Drop files to upload, or use the "Upload" button.' There is an 'Upload' button in the top right corner of the attachments section. At the bottom right of the form, there are 'Submit' and 'Cancel' buttons.

Support

There is no support available for template content. If you experience general issues with SAP Build Process Automation, raise an incident via SAP Support Portal on **BPI-PA-BPC** component.

This template can be modified using SAP Process Automation. For example: add business rules to determine the approver based on a certain business logic or add an action to post collected information to backend SAP system. Refer [Help Portal](#) for more details.

www.sap.com