

PUBLIC

## **SAP Build Process Automation**

**Plan Activity Prices Approval  
Configuration and User Guide**



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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 that are required to use this template.
2. **Configuration Guide** It contain sections which will guide you to setup your (a) SAP Business Technology Platform Account with destination, cloud connector, user roles etc., (b) Integration Content via SAP Integration Suite, (c) SAPUI5 application via SAP Business Application Studio and (d) Import and configure the template using SAP Build Process Automation design studio (e) 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.

**Note:**

- Learning contents are published only for demo and reference purposes. We do not provide any support to learning / sample content.
- This documentation is not a detailed guide to setup SAP Business Technology Platform services. It assumes that IT admin who is setting the content is skilled with SAP Business Technology Platform environment. **Configuration section must be followed.**
- 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, SAP Integration Suite, and its capabilities.

## Overview

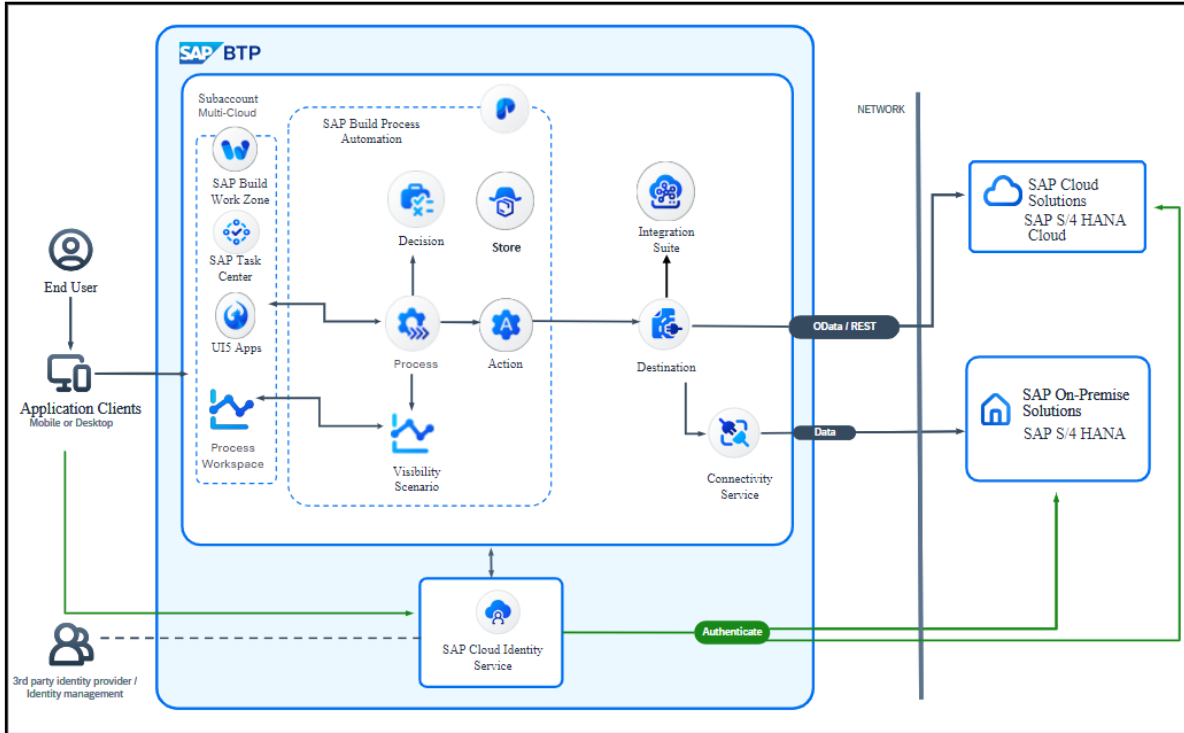
This document provides information about setting up the SAP Business Technology Platform account to consume the content package Plan Activity Prices Approval run. The main audience of this document are technical IT/system administrators.

This use case deals with updating the planned activity / capacity and price(fixed) and variable, etc. as per a specific cost center and an activity type. Controller will initiate the approval process in BTP from start UI. Data can be entered through manual input or from excel upload.

**Features:**

- Configurable decision for controlling area manager.
- Approval for updating price of planned activity by approvers using task center.
- After approving the price, it will be updated in SAP S/4HANA providing email notification.

## Process Flow Diagram



### Solution flow :

1. Planned activity with prices will be sent for approval from Start UI.
2. Cost center owner will be first level of approval who will review each item and either approves or rejects it. If all items are approved, the process moves forward. If any item is rejected, it's sent back to the requestor for revision.
3. Controlling area manager will be second level of approval who will review each item and either approves or rejects it. If all items are approved, the process moves forward. If any item is rejected, it's sent back to the requestor for revision.
4. After rejection, the requestor can either update the rejected items based on the approver's comments or remove the rejected items from the list.
5. Reworked items are sent again for approval process with the updated data.
6. Finally, all approved items for plan activity is posted to SAP S/4HANA system.
7. If posting fails, the requestor can either update the data based on the error messages or retry posting again.

### Note:

- The process can be triggered via a Start UI.
- My Inbox Application must be accessed through Work Zone.

## Required SAP Business Technology Platform Services

The following SAP Business Technology Platform services are required to consume the **Plan Activity Prices Approvals**:

- SAP Build Process Automation
- SAP Connectivity service
- SAP Business Application Studio
- SAP Application Runtime Service
- SAP Work Zone, standard or advanced
- SAP Cloud Identity Services - Identity Authentication (optional)

- SAP Business Technology Platform, Cloud Foundry runtime.

## Prerequisites

For this template to run successfully the following prerequisites are needed

- SAP Desktop Agent 3.28 or higher.
- Get access to BTP account.
- Need valid S/4HANA user.
- This template requires Integration package SAP Build Process Automation Integration with SAP S/4 HANA for Plan Activity Prices Approval to run. You can download this package separately from the store. The guide to set-up and configure integration package is mentioned along with the integration package itself.

## Configuration Guide

**Plan Activity Prices Approval** template requires SAP Build Process Automation subscription and Destination Setup for SAP Build Process Automation. Follow the [setup and configuration section](#).

### Setup SAP S/4HANA

#### Setup Communication

NOTE: This Section is needed only if you are connecting to SAP S/4HANA Cloud

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
Company Code - Read	<a href="#">Overview   Company Code - Read   SAP Business Accelerator Hub</a>
Cost Center - Read (A2X)	<a href="#">Overview   Cost Center - Read (A2X)   SAP Business Accelerator Hub</a>
Profit Center-Read(A2X)	<a href="#">Overview   Profit Center - Read (A2X)   SAP Business Accelerator Hub</a>

### Setup Business Technology Platform Cockpit

#### Configure SAP Build Process Automation Destination

To Access the SAP Build process Automation, you can configure the destination. Please create destination accordingly

Destination Property	Value
Name	sap_process_automation_service

Type	HTTP
URL	<" endpoints"."api">
Client ID	<"uaa"."clientid">
Client Secret	<"uaa"."clientsecret">
Token Service URL	<"uaa"."url"/>/oauth/token
Proxy Type Internet	Internet
Authentication	OAuth2ClientCredentials

Add the property **sap.processautomation.enabled** as **true** to view the destination in the SAP Build Process Automation tenant. Please refer [help document](#) for more details.

## Configure SAP S/4HANA Destination

This content package can be used with both SAP S/4HANA Cloud Private Edition (2023 onwards) and S/4HANA Cloud Public Edition (2502 onwards). Destinations can be created accordingly.

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

## Configure SAP Integration Suite Destination

Configure Destination to connect to Integration Suite destination system.

Destination Property	Value
Name	IntegrationSuite
Type	HTTP
URL	<Integration Suite Destination endpoint> <a href="https://&lt;CPI&gt;.hana.ondemand.com">https://&lt;CPI&gt;.hana.ondemand.com</a>
Proxy Type Internet	Internet
Authentication	Basic Authentication
Username	<Username> of the SAP S/4HANA Communication User
Password	<Password> of the SAP S/4HANA Communication User

## Configure SAP Build Process Automation Email Destination

Mail notifications are used in this template to send notifications to requestor, approver, and admin during different stages of the process. Follow the instructions to setup mail destination in your SAP Business Technology Platform Account.

Configuring destination, [Configure Mail Destination](#)

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

## User Roles Configuration

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

Role Collection Name	Purpose
TaskCenterAdmin	Permission to execute calls to the connector status API and monitor configured destinations and running background jobs.
Process Automation Developer	Standard Business User, can model and publish processes
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 applications 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](#).

## Cloud Connector Configuration

For SAP S/4HANA on-premise 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-premise using Cloud Connector.

Resources	Protocol	Backend-Type
/sap/opu/odata/sap/API_COMPANYCODE_SRV/A_CompanyCode	OData	SAP S/4HANA
/sap/opu/odata/sap/API_COSTCENTER_SRV/A_CostCenterText	OData	SAP S/4HANA
/sap/opu/odata/sap/API_PROFITCENTER_SRV/A_ProfitCenterText	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_PROJECTS	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_PROJECT_JV	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_STATISTICAL_WBS	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_PROJECT_STATUS_CDS/ZWF_PROJECT_STATUS	OData	SAP S/4HANA
/sap/opu/odata/sap/ZWF_PROJECT_TYPE_CDS/ZWF_PROJECT_TYPE	OData	SAP S/4HANA

ZWF RFC PS SET STATUS	RFC	SAP S/4HANA
ZWF RFC PS UPDATE BUDGET	RFC	SAP S/4HANA

## Setup Content Package

### Import SAP Build Process Automation content

Standard automation packages released by SAP will be available at the store. To know more about the store visit [SAP Build Process Automation Store](#).

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 "Business Process."
3. In the Search bar type "**Plan Activity Prices Approval**"
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 "**Plan Activity Prices Approval**" template available for use.

**Caution:** Be sure to select the **Project Type** as "**Business Process**" in the filters.

### Import and deploy TASK UI application

The content package requires the SAP UI5 user interface which is available in Plan Activity Prices Approval Process content package. Below are details of Task UI application:

Task UI Application: ActivityPriceApprovalUI

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

- Download the SAPUI5 application Task UI from the imported store project.
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- Build SAPUI5 project using mta.yaml file and the generated project (generated mtar file will be available in the mta\_archives folder) file can be deployed.

## 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.

### Configure Decisions

There are 3 decisions in this template. We can configure as required.

#### 1. Determine Approvers

This Decision is used in approvers for an approval step in plan activity prices approval process. To modify the decision:

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

**Determine Approvers**

Description: Decision to determine approvers for a approval step in plan activity prices approval process

**Inputs/Output** Rules Variables

**Input Parameters**

Name*	Description:*	Type*	List
Approval Step	Current step of approval	String	<input type="checkbox"/>
Plan Activity Pricing Header D...	Header details of plan activity prices	Plan Activity Pricing Hea...	<input type="checkbox"/>

**Output Parameter**

Name*	Description:*	Type*	List
Approver Details	Approver details for approving plan activi...	Approver Details	<input type="checkbox"/>

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

**Determine Approvers**

General Information: Status: Draft Hit Policy: FIRST MATCH

Description: Determine approvers for a approval step in plan activity prices approval process

**Decision Table**

If	Then
<input type="checkbox"/> Controlling Area Cost Center Gr... Approval Step	User Id User Group Email Supervis
<input type="checkbox"/> MATCHES "*" MATCHES "*" = "Controller...	

## 2. Determine Process Administrator

This decision is used to determine the process administrators who need to be notified to take relevant actions if the approvers are not found

The screenshot displays the configuration interface for the 'Determine Process Administrator' process. On the left, a process diagram shows an 'Input' step leading to a 'Decision' step, which then leads to a 'Result' step. Below the diagram, the 'Input Parameters' section lists 'Approval Step', 'Plan Activity Pricing Header Details', and 'Current step of approval'. The 'Decision' step is described as 'Decision to determine the process administrators who need to be...'. The 'Output Parameter' section lists 'Admin Details'. On the right, the configuration panel shows the 'Inputs/Output' tab with fields for Name, Description, and Type for both input and output parameters.

### 3. Determine Task Due Date

The decision is used to determine task due duration for cost center owner approval of plan activity prices

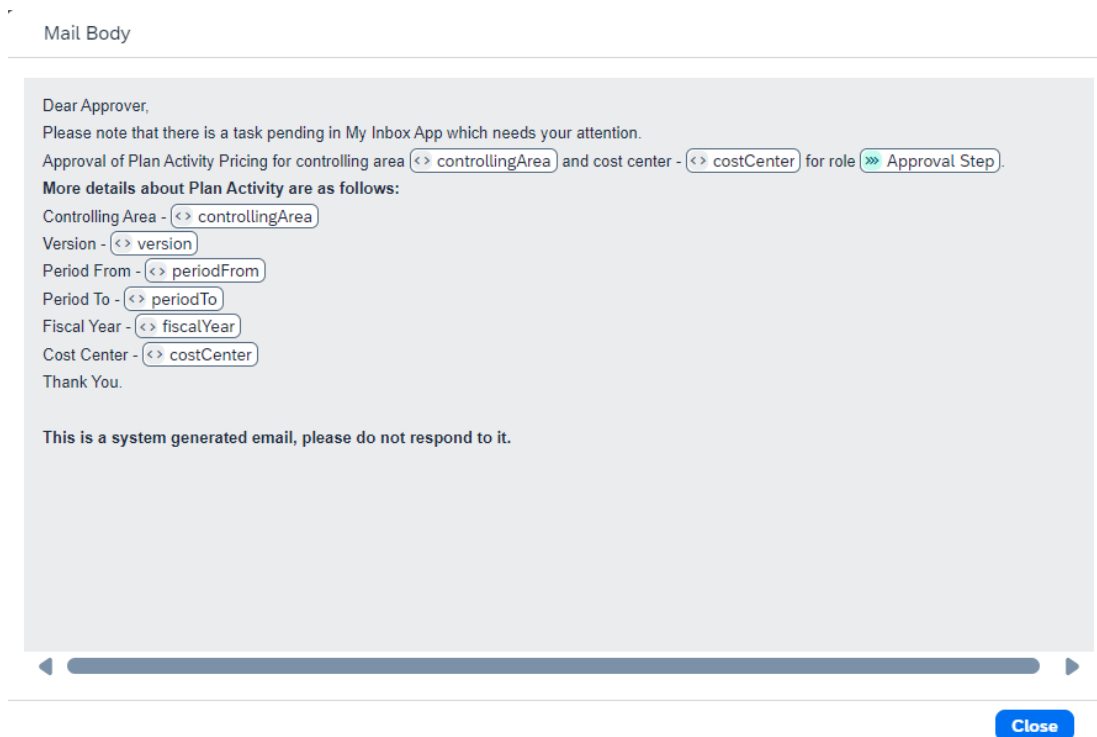
The screenshot displays the configuration interface for the 'Determine Task Due Date' process. On the left, a process diagram shows an 'Input' step leading to a 'Decision' step, which then leads to a 'Result' step. Below the diagram, the 'Input Parameters' section lists 'Plan Activity Pricing Header Details' and 'Header details of plan activity prices'. The 'Decision' step is described as 'Decision to determine task due duration for cost center owner approval...'. The 'Output Parameter' section lists 'Task Due Duration'. On the right, the configuration panel shows the 'Inputs/Output' tab with fields for Name, Description, and Type for both input and output parameters.

## 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 modified.

To update the email body content, do the following:

- 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**'.



- 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 this [link](#)

In case any further extension needs to be made then follow the reference links below.

## Create Process

[Create a Business Process | SAP Help Portal](#)

## Create Forms

[Create a Form | SAP Help Portal](#)

## Create Automation

[Create an Automation | SAP Help Portal](#)

## Create Decision

[Create a Decision | SAP Help Portal](#)

## Create Process Visibility Scenario

[Create a Visibility Scenario | SAP Help Portal](#)

## 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'.

For more information please visit: [SAP Build Process Automation](#)

**Note:** 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.

### Import Destination

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

To configure destination,

- Click on **Control Tower**.
- Select **Destinations** from the right panel.
- Click **Add**

Select the destinations created in the setup section to be added.

For more information and screen shots, please refer to the below link: [Manage Destinations](#)

**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**'.

For more information and screen shots, please refer to the below link: [Deploy Project](#)

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

- **S4HANA:** Business Technology Platform destination to connect with SAP S/4HANA system. As shown in SAP S/4HANA destination set-up-section.
- **IntegrationSuite:** Business Technology Platform destination to connect with IntegrationSuite APIs.

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

## Configure and Deploy Start UI

The content package requires the SAP UI5 user interface which is available in Project Manager Project Creation content package. Below are details of Start UI application

Start UI Application: ActivityPriceStartUI

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

- Download the SAPUI5 application Start UI from the imported store project.
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- The definition id can be found in the Monitoring section, inside Process and Workflow Definitions. You need to enter the project name and go to the main process. The ID mentioned

in the process would be the definition id. Refer [determine the workflow definition ID](#) for more details

- This definition id must be updated in Start UI application. It will be maintained either in the i18n file or controller.js file. Please refer below screenshot

```
startWorkflowInstance: async function (planActivityPricingDetails) {
  var that = this;
  var definitionId = "sap.build.prc.content.id.plan.activity.prc.approval.plan.activity.prc.approval.prc";

  var data = {
    definitionId: definitionId,
    context: { "planActivityPricingDetails": planActivityPricingDetails }
  };
  BusyIndicator.show();
  $.ajax({
    url: this._getWorkflowRuntimeBaseUrl() + "/workflow-instances",
    method: "POST",
    async: false,
    contentType: "application/json",
    headers: {
      "X-CSRF-Token": this._fetchToken()
    },
    data: JSON.stringify(data),
    success: function (result, xhr, data) {
      BusyIndicator.hide();
      MessageToast.show(that.oBundle.getText("successMsg"));
    }
  });
}
```

- 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.

## Configure SAP Work Zone

Configure SAP Work Zone to access the start UI for this automation.

Once SAP 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 Plan Activity Prices Start UI from the list of apps and choose Add.
3. Add the relevant roles to the user. Plan Activity Prices start UI will be available to the user as a tile in the SAP Work Zone.

If you plan to use SAP Work Zone service, then configure [SAP Work Zone with SAP Build Process Automation Applications](#) using help documentation.

## User Guides

### Capabilities

The following are the capabilities of this template:

For detailed information about different artifacts, please refer [help documentation](#)

Type	Name	Description
Decision	Determine Approvers	Decision to determine approvers for a approval step in plan activity prices approval process



Decision	Determine Process Administrator	Decision to determine the process administrators who need to be notified to take relevant actions if the approvers are not found
Decision	Determine Task Due Date	Decision to determine task due duration for cost center owner approval of plan activity prices
Process	Approval Process	Process to approve plan activity prices by approver maintained in the decision
Process	Cost Center Owner Approval Process	Process to approve plan activity prices by cost center owner
Process	Plan Activity Prices Approval Process	Process to get approval and post approved plan activity prices
Process	Post Plan Activity Prices Process	Process to post approved plan activity prices to SAP S/4HANA system
Form	Admin Form	Form for assigning approvers manually if not determined by decisions
Form	Approval Form	Form for plan activity prices approval
Data type	Admin Details	Data type for details of process administrators who will be notified to take action if there is any issue with determining the approvers
Data type	Approver Details	Data type for approver details to approve plan activity prices
Data type	History Details	Data type for history details like processor decision and comments
Data type	Plan Activity Pricing Details	Data type for header and item details of plan activity prices
Data type	Plan Activity Pricing Header Details	Data type for header details of plan activity prices
Data type	Plan Activity Pricing Item Details	Data type for item details of plan activity prices

## Actions

### Plan Activity Prices - Post Approved Items Action

Action project to post the approved items of the plan activity with pricing to SAP S/4HANA system

Method	API	API Path	Purpose
POST	N/A	/http/updateActivityTypePricePlanningpapawfm	This service will update the approval status of planned activity items with pricing

### Plan Activity Prices - Get Cost Center Owner Action

Action project to fetch the cost center owner details related to cost center of the plan activity prices

Method	API	API Path	Purpose
--------	-----	----------	---------

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GET	N/A	/http/getCCOwnerAddp apawfm?CostCenter={C ostCenter}&CompanyC ode={CompanyCode}	This service will fetch the cost center owner details based on cost center and company code
-----	-----	--	--

## Appendix

Perform the below mentioned steps for implementation of custom ABAP objects. To get the list of F4 Help Values from SAP S/4HANA, create a custom CDS views.

### Creating CDS (using ABAP Development Toolkit)

#### Pre-requisite:

1. Eclipse must be installed along with ADT plugins.
2. Developer access and authorizations should be available in SAP S/4HANA to create CDS views

#### Steps:

1. Open Eclipse in ABAP perspective
2. Go to Files -> New -> ABAP Project
3. Select the system in which you want to create the CDS view
4. Enter the system connection details and credentials
5. Right click on project and the go to New -> Other and select "Data Definition" (Name of CDS will be "ZWF\_CDS\_DIST\_KEY\_CDS")
6. Copy paste the attached code for "ZWF\_CDS\_DIST\_KEY\_CDS" from **SAP NOTE 3159133** in code editor
7. Click on Save
8. Click on Activate
9. Repeat steps 1 to 8 for following CDS views
  - a. ZWF\_CDS\_CO\_VERSION\_CDS

### Register OData Services in SAP Gateway

#### Steps:

1. Go to t-code "/IWFND/MAINT\_SERVICE"
2. Click on "Add Service"
3. Select the required System Alias
4. Enter Technical Service Name as "ZWF\_CDS\_DIST\_KEY\_CDS" and click on "Get Services"
5. Select "ZWF\_CDS\_DIST\_KEY\_CDS" and click on "Add Selected Services"
6. Enter the required package and click on OK
  - Repeat steps 1 to 6 for Technical Services listed below
  - ZWF\_CDS\_CO\_VERSION\_CDS

### Creating Function Group

#### Steps:

1. Go to t-code "SE37"
2. In Menu, select Go to -> Function Groups -> Create Group
3. Enter Function Group name as "ZWF\_FG\_BTP\_UTIL" and enter a meaningful Short Text (Select the required package name to save this object)
4. Go to t-code "SE80"
5. Select "Function Group" from dropdown
6. Enter "ZWF\_FG\_BTP\_UTIL" as the name of function group and click on Display button
7. Click on Save
8. Right click on the Function Group "ZWF\_FG\_BTP\_UTIL" on the left side panel and "Click on Activate" (Click OK button on the pop-up which shows list of inactive objects)

### Creating Function Modules

#### ZWF\_FM\_HR\_MASTER\_GET\_APPR\_MULT

#### Steps:

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1. Go to t-code “SE37”
2. Click on “Create” button
3. Enter “ZWF\_FM\_HR\_MASTER\_GET\_APPR\_MULT” as name of Function Module
4. Enter “ZWF\_FG\_UTIL\_BTPWF” as Function Group
5. Enter a meaningful short text
6. Click on “Save” (Click on OK in successive pop-ups)
7. Go to “Import” tab and enter the below mentioned entries.

Function module: ZWF\_FM\_HR\_MASTER\_GET\_APPR\_MULT Active

Attributes **Import** Export Changing Tables Exceptions Source code

Parameter Name	Typing	Associated Type	Default value	Opti...	Pass...	Short text	Long ..
I_INPUT	TYPE	ZWF_IP_APPR_T		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Table Type for input of data to get approver det...	<input type="text"/>
				<input type="checkbox"/>	<input type="checkbox"/>		<input type="text"/>

8. Go to “Export” tab and create the below entries

Function module: ZWF\_FM\_HR\_MASTER\_GET\_APPR\_MULT Active

Attributes Import **Export** Changing Tables Exceptions Source code

Parameter Name	Typing	Associated Type	Pass by Val...	Short text	Long Text
E_OUTPUT	TYPE	ZWF_APPR_DET_MUL_T	<input checked="" type="checkbox"/>	Structure for Approver details	<input type="text"/>
E_STATUS	TYPE	BAPI_MTYPE	<input checked="" type="checkbox"/>	Message type: S Success, E Error, W Warning, I...	<input type="text"/>
			<input type="checkbox"/>		<input type="text"/>

9. Go to “Source Code” tab and paste the attached code for “ZWF\_FM\_HR\_MASTER\_GET\_APPR\_MULT” from **SAP NOTE 3159133**
10. Go to “Attributes” tab and select radio button for “Remote-Enabled”
11. Click on “Save”
12. Click on “Activate” (Click OK button on the pop-up which shows list of inactive objects)

Note: The details of required “Associated Type” (Table Type) used in the Tables tab are mentioned below:

Table Type: ZWF\_IP\_APPR\_T

< **SAP** Dictionary: Display Table Type

Table Type:  Active

Short text:

Attributes **Line Type** Initialization and Access Primary Key Secondary Key

Line Type

Built-in type

Data Type:

No. of Characters:  Decimal Places:

Reference type

Referenced type

Reference to built-in type

Structure: ZWF\_IP\_APPR

< **SAP** Dictionary: Display Structure

Structure:  Active

Short Description:

Attributes **Components** Input Help/Check Currency/quantity fields

1 / 2

Component	Typing Method	Component Type	Data Type	Length	Decimal...	Coordinate	Short Description
<input type="checkbox"/> COMPANYCODE	Types	▼ BUKRS	CHAR	4	0		0 Company Code
<input type="checkbox"/> POSITION	Types	▼ PLANS	NUMC	8	0		0 Position

Table Type: ZWF\_APPR\_DET\_MUL\_T



**SAP** Dictionary: Display Table Type

Table Type: ZWF\_APPR\_DET\_MUL\_T Active  
 Short text: Structure for Approver details

Attributes **Line Type** Initialization and Access Primary Key Secondary Key

Line Type ZWF\_APPR\_DET\_MUL

Built-in type  
 Data Type:   
 No. of Characters:  Decimal Places:

Reference type  
 Referenced type   
 Reference to built-in type

Structure: ZWF\_APPR\_DET\_MUL

**SAP** Dictionary: Display Structure

Structure: ZWF\_APPR\_DET\_MUL Active  
 Short Description: Structure for Approver details

Attributes **Components** Input Help/Check Currency/quantity fields

1 / 5

Component	Typing Method	Component Type	Data Type	Length	Decimal...	Coordinate	Short Description
<input type="checkbox"/> USER_ID	Types	▼ SYSID	CHAR	30	0		0 Communication Identification/Number
<input type="checkbox"/> ENAME	Types	▼ EMNAM	CHAR	40	0		0 Formatted Name of Employee or Applicant
<input type="checkbox"/> EMAIL_ID	Types	▼ COMM_ID_LONG	CHAR	241	0		0 Communication: Long Identification/Number
<input type="checkbox"/> BUKRS	Types	▼ BUKRS	CHAR	4	0		0 Company Code
<input type="checkbox"/> PLANS	Types	▼ PLANS	NUMC	8	0		0 Position

## SAP UI5 SCREEN

This is the starting point for the Plan Activity Prices Approval Process and values must be entered in Start UI to trigger the process.

The tile name that must be chosen in the Work Zone is: **'Plan Activity Prices'**.



## 1. Access App Plan Activity Prices

The screenshot shows the SAP Fiori dashboard interface. At the top, there is a navigation bar with the SAP logo, a 'Home' dropdown menu, a search icon, and a user profile icon. Below the navigation bar, there are three tabs: 'Capital Expenditure Group', 'Inbox, Task & Viz', and 'Project group'. The 'Project group' tab is active. The main area contains a grid of tiles. The 'Plan Activity Prices' tile is highlighted with a red border. Other tiles include 'Create', 'in S/4 HANA Cloud', 'Create Business Part...', 'Purchase Info Record Manage', 'Customer Business Discontinuation Accounts Receivable', 'Urgent Payment Request', 'Manage Posting Periods', 'Vendor Onboarding', and 'Direct Supplier Down Payment Request'.

## 2. Once navigated to the tile, User can enter data manually by selecting Posting via - create from dropdown.

The screenshot shows the SAP Fiori 'Plan Activity Prices' app interface. At the top, there is a navigation bar with the SAP logo, a 'Plan Activity Prices' dropdown menu, a search icon, and a user profile icon. Below the navigation bar, there is a 'Posting Via' dropdown menu set to 'Create'. The main area is divided into two sections: 'Header' and 'Line Items(0)'. The 'Header' section contains several input fields: 'Controlling Area \*', 'Version \*', 'From Period \*', 'To Period \*', 'Fiscal Year \*', and 'Cost Center \*'. Below these fields is a 'Planning Currency' dropdown menu set to 'C - Controlling Area Currency'. The 'Line Items(0)' section is currently empty, displaying 'No data'. A 'Submit' button is located at the bottom right of the page.

3. If the user chooses 'Posting via – Upload' the data can be uploaded using 'Browse' button through an Excel template which can be downloaded using 'Download Template' button in the toolbar.

The screenshot shows the SAP 'Plan Activity Prices' interface. At the top, the 'Posting Via' dropdown menu is highlighted with a red box and set to 'Upload'. Below this is the 'Header' section with five mandatory fields: 'Controlling Area', 'Version', 'From Period', 'To Period', and 'Fiscal Year'. There is also a 'Planning Currency' field set to 'C - Controlling Area Currency'. In the 'Line Items' section, there is a 'Download Template' button and a 'Browse...' button. A 'Submit' button is located at the bottom right of the interface.

Here we have 6 fields in Header Section:

**Controlling Area (Mandatory):** The Controlling Area approves planned activity prices for cost allocation.

**Version (Mandatory):** The approval and management of planned activity prices for different planning scenarios.

**From Period (Mandatory):** The start date for the approval and validity of planned activity prices in cost planning.

**To Period (Mandatory):** The end date for the validity and approval of planned activity prices in cost planning.

**Fiscal Year (Mandatory):** The period for which planned activity prices are approved and applied in cost planning.

**Cost Center (Mandatory):** The organizational unit where planned activity prices are assigned and tracked for cost control and allocation.

Once all the mandatory/required details are filled, click on the Submit button in SAP UI5 screen to start the process.

## Support

There is no support available for template content. If you experience general issues with SAP Build Process Automation, please follow the links below:

- [Troubleshoot Support Guided Answer](#)
- [Test an Automation Help portal Article](#)
- [Test an Application Help portal Article](#)
- [Get traces Support Guided Answer](#)

If the issue persists, please raise an incident via SAP Support Portal on **BPI-PA-BPC** component.

This template can be modified using SAP Process Automation. For example: add decisions 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.

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