

PUBLIC

SAP Build Process Automation

Mass Transfer of Time and Expenses (6NK) Configuration & User Guide



Contents

Change Log.....	3
Overview	4
Prerequisites.....	6
Other Prerequisites.....	6
Configuration Guide.....	8
Setup SAP Business Technology Platform Cockpit	8
Destination Configuration.....	8
SAP S/4HANA Cloud, public edition	8
User Roles Configuration	9
Setup SAP Build Process Automation Content.....	10
Import Content.....	10
Configuration & Modification	10
Configure Process.....	10
Configure Forms (Optional)	10
Configure Automation Trigger	11
Configure Decisions.....	12
Configure Email	13
Configure Process Visibility (Optional)	14
Release and Deploy Process.....	14
Configure SAP Work Zone	15
User Guide	17
Forms	19
Decisions	19
Processes	20
Actions.....	20
Automations.....	21
Process Visibility Scenario	22
Support	23

Change Log

Version	Date	Description
1.0.0	August 26 th , 2023	Document created



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

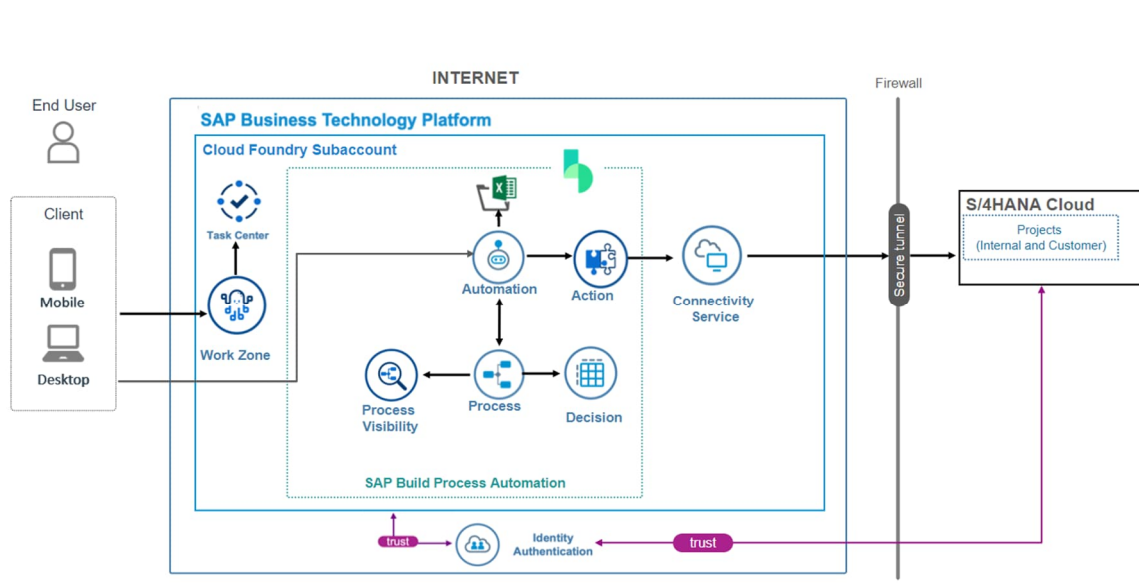
1. **Overview:** In this section, you will get quick overview of the use case, what are high-level components used and how the template works in nutshell. Prerequisite section provides information of different services of SAP BTP that are required to use this template.
2. **Configuration Guide:** It contain sections which will guide you to setup your (a) SAP BTP Account with destination, cloud connector, user roles etc, (b) Integration Content via SAP Integration Suite, (c) 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 MyInbox 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 must be mandatorily followed to import and configure the template.
- This template content is to accelerate your solution development. You can 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

The **Mass Transfer of Time and Expenses** template automates time transfers and expense transfers from one WBS element to another for Customer and Internal projects. As time and expense transfers can be done in bulk, it is more time-efficient for the users to complete and upload an excel template with the necessary data using a task automation, instead of performing it individually in S/4HANA system. This template covers the capability to read time and expenses for WBS elements and transfer them from one WBS element to another WBS element in S/4HANA public cloud system.



The following steps are included as a part of **Mass Transfer of Time and Expenses** template and provide a brief overview about the process flow & features of **Mass Transfer of Time and Expenses** template:

- This package provides automation for fetching the timesheet and expense details with the help of selection excel file (**T&E Selection Input file Template.xlsx**) that allows user to provide details about timesheet and expense entry for which details need to be fetched from S/4HANA.
 - On execution of “**Get Timesheet & Expense entries from S/4HANA**” automation, timesheet and/or expense details are retrieved from S/4HANA system based on the input selection excel file. The retrieved data is updated in the **FetchData** folder using template file “**T&E Selection Output file Template.xlsx**” as “**T&E Selection Output file Template.xlsx_<Timestamp> .xlsx**.”

(Please refer to sections “**Other Prerequisites**” and “**Configure Automation Trigger**” for more details)

 - This automation also updates the log records as “**T&E Output Log file Template.xlsx_<Timestamp>.xlsx**” file in the Logs folder and notifies the requester through email about the completion of the operation along with details of file path.
- This package also provides automations to perform repost of timesheet and/or expense details in S/4HANA based on the selection excel value provided for “**Test Run Flag**,” “**Include Time Entries Flag**” and “**Include Expenses Flag**”:
 - The value “**X**” needs to be set for the selected required operation to be performed.
 - If “**Test Run Flag**” value is set, automation will fetch the timesheet and/or expense details for which the value is set in the selection excel file and the requester will be notified about the fetched data.
 - If “**Test Run Flag**” is not set(“empty”) but either “**Include Time Entries Flag**” and/or “**Include Expenses Flag**” is set, automation will fetch the data from S/4HANA and then automation to trigger approval process for repost of selected operation will get executed.
 - Approval process is triggered for each timesheet or expense entry and based on decision input parameter (ex. WBS element), required approver is determined or request to process admin is sent for providing the needed approver details.
 - On approval/rejection of timesheet/expense details, repost operation is performed, and requester is notified with proper response thorough mail.

This template uses the following APIs and communication scenarios:

API Description	API Link	Communication Scenario
Commercial Project – Read	Link	Commercial Project Integration (SAP_COM_0054)
Workforce Timesheet	Link	Workforce Timesheet Integration (SAP_COM_0027)
Supplier Invoice - Create, Read, Release, Reverse	Link	Supplier Invoice Integration (SAP_COM_0057)
Sales Order	Link	Sales Order Integration (SAP_COM_0109)
Project Billing Request	Link	Project Billing Integration (SAP_COM_0909)
Enterprise Projects	Link	

Prerequisites

The following SAP Business Technology Platform services are required to consume the content package

Mass Transfer of Time and Expenses between WBS elements:

- SAP Build Process Automation to orchestrate the process.
- SAP Cloud Identity Services - Identity Authentication
- SAP S/4HANA Cloud
- SAP Business Technology Platform, Cloud Foundry runtime
- SAP Work Zone, standard or advanced edition for accessing My Inbox and Process Visibility workspaces.

Other Prerequisites

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

- SAP Desktop Agent 3.17 or higher
- Outlook mailbox configured on the system where the automations will run to send mails with attachments.

Notes:

- This package is designed only to work with the provided folder structure & input template file structures. DO NOT CHANGE any column properties and structure.
 - If any changes done in the input template structure, related process & automation implementation also need to be updated to handle those changes.
- **Template** folder contains the required template files that includes:
 - **T&E Selection Input file Template.xlsx**– This is used for fetching timesheet & expense details from S/4HANA system based on given filter values.
Following is the snippet from selection excel file:

	A	B	C
1	Selection Criteria		
2			
3			
4			
5	From Posting Date	01-01-2022	
6	To Posting Date	25-07-2022	
7			
8	Test Run Flag	X	
9			
10	Include Time Entries Flag	X	
11	Time Selection Parameters		
12	Time Sheet Record		
13	Person External ID	AP_ACCOUNTANT	
14	Activity Type		
15	Billing Control Category		
16	Work Item		
17	Purchase Oder		
18	Purchase Order Item		
19			
20	Include Expenses Flag	X	
21	Expense Selection Parameters		
22	Supplier Invoice		
23	G/L Account	63009000	
24	Document Type		
25	Invoicing Party		
26	Company Code		
27	Reference		
28	Reversal Posting Date	25-07-2022	
Selection WBS From-To Pairs (+)			

- Input selection excel includes 2 sheets 'Selection' and 'WBS From-To Pairs'.

Following fields needs to be provided in Selection sheet for the fetch request for timesheet or expense details from S/4HANA:

- o From Posting Date
- o To Posting Date
- o Person External ID
- o G/L Account
- o Reversal Posting date
- o Reversal Posting reason

Notes:

- o You must fill Old WBS element and New WBS element in sheet 2(WBS From-To Pairs). This process can handle mass transfers and hence multiple From-To WBS pairs can be entered.
 - o In Sheet 1, Date values in the fields, 'From Posting date' and 'To Posting date' follows the date format, "**mm/dd/yyyy**". Example: "08/22/2023". Please follow the same in case of defining the inputs.
 - o T&E Selection Output file Template.xlsx– It contains the input data template with all the required properties and description.
 - o T&E Output Log file Template.xlsx– This is used for keeping the log status about the timesheet & expense repost.
- **FetchData** folder gets updated after the fetch request is successfully processed from S/4HANA.
 - **Logs** folder gets updated with the log status & response message after timesheet & expense is reposted.

Configuration Guide

The Mass Transfer of Time and Expenses template requires SAP Build Process Automation subscription or CPEA contract. Follow the [setup and configuration section](#).

Setup SAP Business Technology Platform Cockpit

Destination Configuration

Destinations are used in the template to connect to different system & services. This sub-section guides you to create various destinations in the SAP BTP Cockpit.

SAP S/4HANA Cloud, public edition

To access the S/4HANA public cloud system for read and update operations, an HTTP destination is required in the SAP BTP account where the SAP Build Process Automation is subscribed.

- Create a destination with Basic Authentication.
 - Make sure the communication user has the appropriate communication strategy to edit project management assigned to it in the S/4HANA system.
 - Multiple destinations are required to be created for different APIs used in the process template. Best Practise: Create one destination per API.

Following are the API endpoints for which destinations must be created:

1. `https://<S/4HANA system URL>/sap/opu/odata/CPD/SC_EXTERNAL_SERVICES_SRV`
2. `https://<S/4HANA system URL>/sap/opu/odata/sap/API_ENTERPRISE_PROJECT_SRV?v=0002`
3. `https://<S/4HANA system URL>/sap/opu/odata/sap/API_SUPPLIERINVOICE_PROCESS_SRV`
4. `https://<S/4HANA system URL>/sap/opu/odata4/sap/api_projectbillingrequest/srvid_a2x/sap/projectbillingrequest/0001`
5. `https://<S/4HANA system URL>/sap/opu/odata/sap/API_MANAGE_WORKFORCE_TIMESHEET`

Destination with Basic Authentication

Name	<name>
Type	HTTP
Proxy Type	Internet
Authentication	Basic Authentication
URL	<S/4HANA – API endpoint> Example: <code>https://<s4system-name>/sap/opu/odata/CPD/SC_EXTERNAL_SERVICES_SRV</code>
Username	<Username> of the S/4HANA Communication User
Password	<Password> of the S/4HANA Communication User

Additional Properties to Destination

Additionally, add the following properties in the destination for cloud integration:

sap.applicationdevelopment.actions.enabled	true
sap.processautomation.enabled	true

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 User Token Exchange Authentication](#).

IMPORTANT NOTE: This template content is to accelerate your solution development. You can modify this template according to your own requirements to achieve your business goals. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation and its capabilities.

User Roles Configuration

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

Role Name	Purpose
ProcessAutomationDeveloper	To fully use this content package, you need to have an active user entitled to this role to use SAP Build Process Automation.
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.

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

Setup SAP Build Process Automation Content

Import Content

This template can be downloaded from the Store:

- 1) Navigate to the **Store** in your SAP Build Process Automation application.
- 2) Select the Project Type filter as “**Process Automation**”.
- 3) In the Search bar type “**Mass Transfer of Time and Expenses**”
- 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 Transfer of Time and Expenses” project available for use.

Caution: Be sure to select the **Project Type** as “**Process Automation**” in the filters.

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.

Configure Process

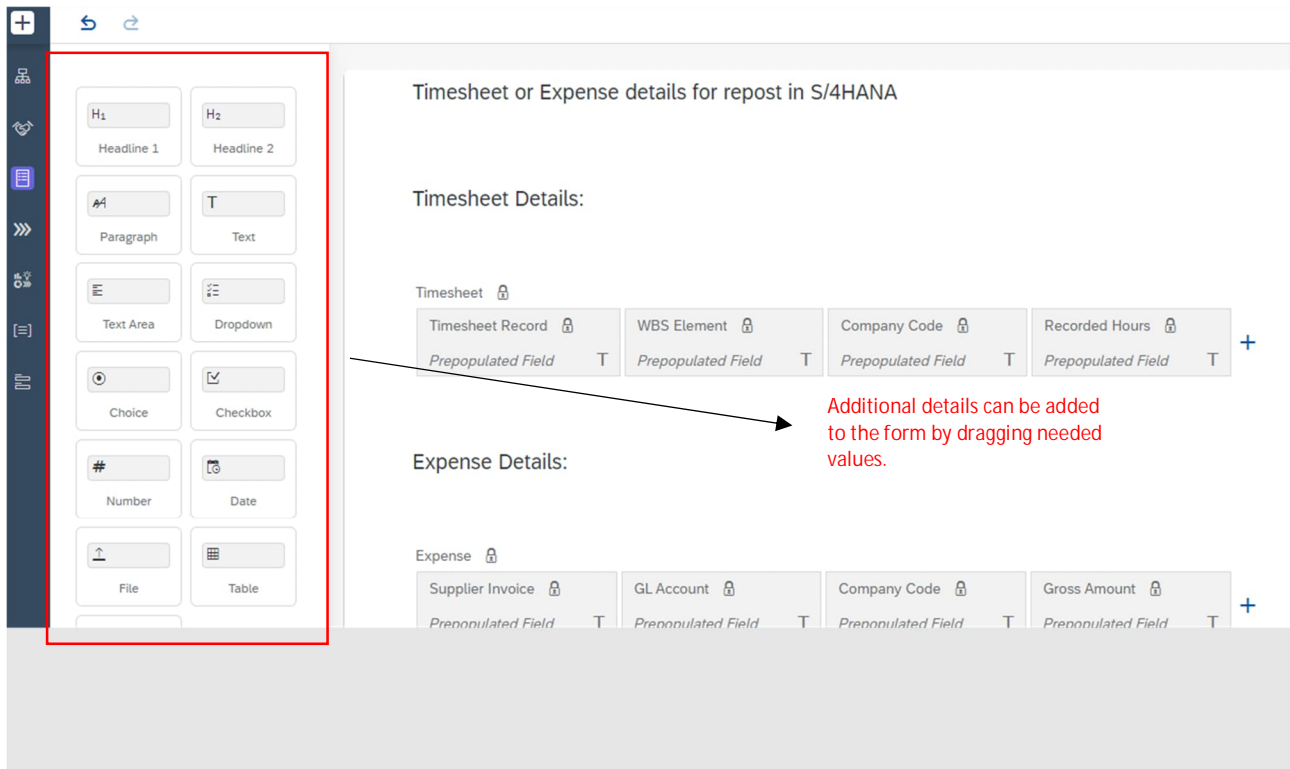
This package contains the subprocesses “**Approval Process: Timesheet and Expense**” and “**Mass transfer of Time & Expenses**” & it does not need to be explicitly configured. It can be directly utilized after successful deployment.

Configure Forms (Optional)

This template contains one approval form. You can update or extend the form based on your requirements. To edit the form:

- Double click the form to open the Form Editor
- You can configure existing fields or add new layout or input fields to the form by simply dragging-and-dropping them from the side menu.

Following snapshot shows one form (Approval Form – Timesheet & Expense) with required timesheet & expense details for approver to review & provide approval:



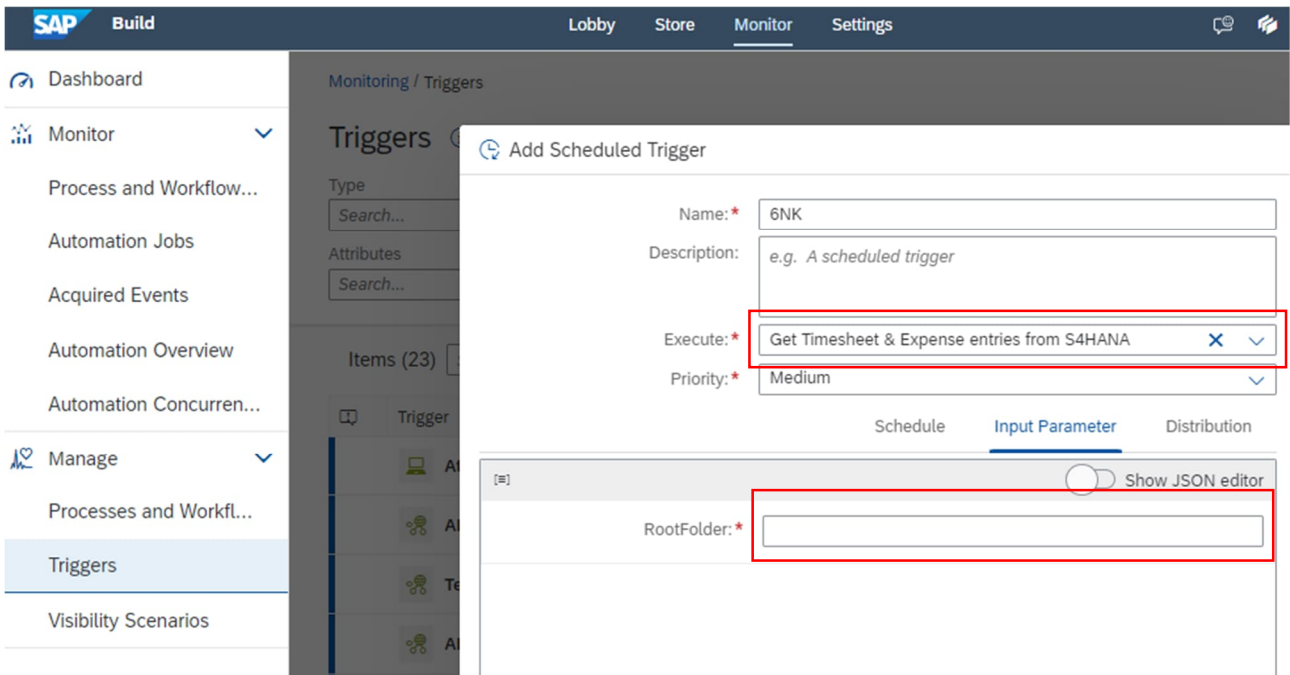
Configure Automation Trigger

This package contains one main automation that need to be triggered if you want to fetch the data from S4HANA or want to repost timesheet and/or expense entry in S4HANA system.

Automations can be triggered in different modes; followings are few of the provided execution modes:

- Unattended mode. For more information click [here](#)
- Attended mode. For more information click [here](#)

Following input parameter needs to be provided for triggering automation **“Get Timesheet & Expense entries from S4HANA”**:



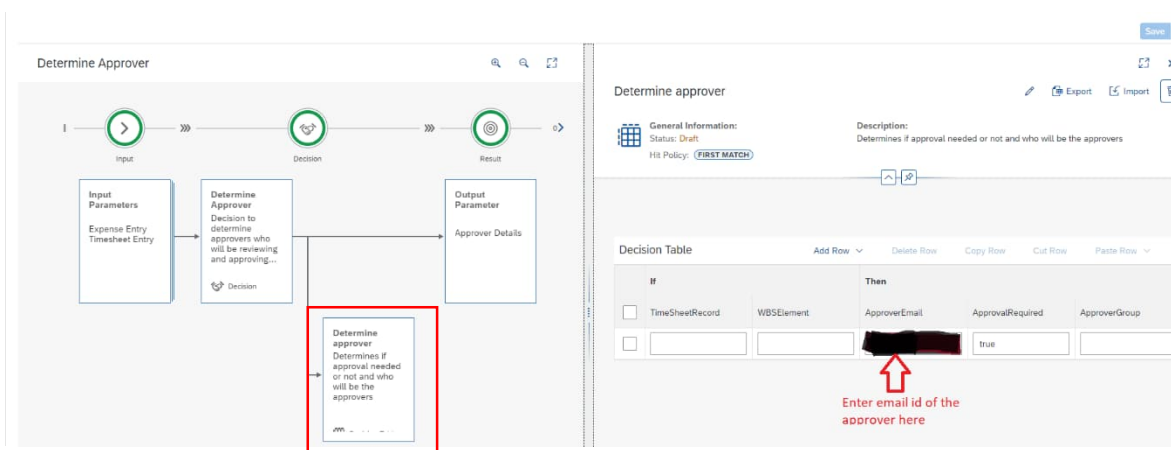
Configure Decisions

The process includes two decisions:

- **Determine Approver** – This decision is used to determine the email address of the person who will be approving the time and expense entries.
- **Determine Process Admin** – This decision is used to determine the email address of the administrator who will be notified in case of issues/ failure to determine the correct approver for the process.

These decisions can be modified for different 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.

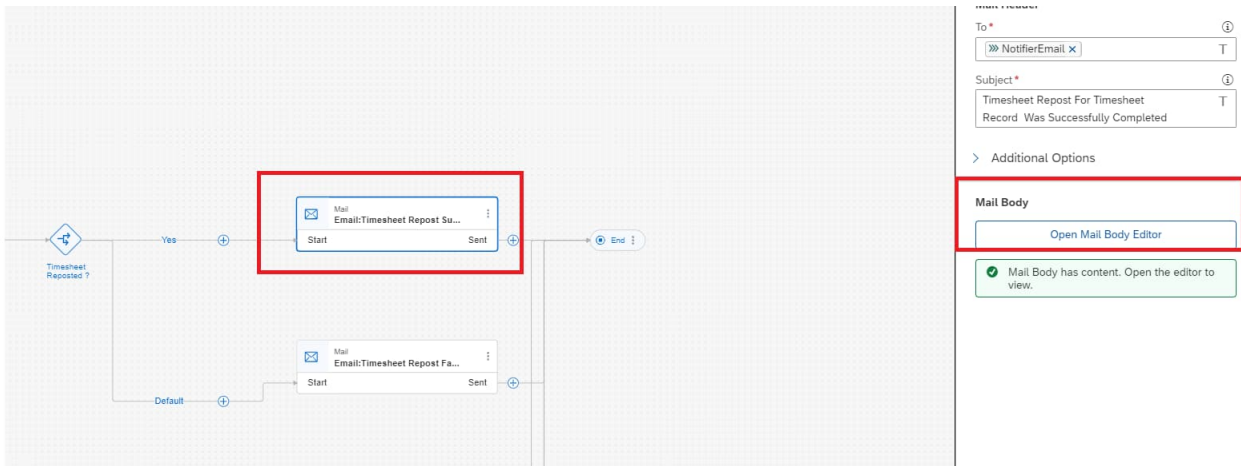


Configure Email

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:

- 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'**.



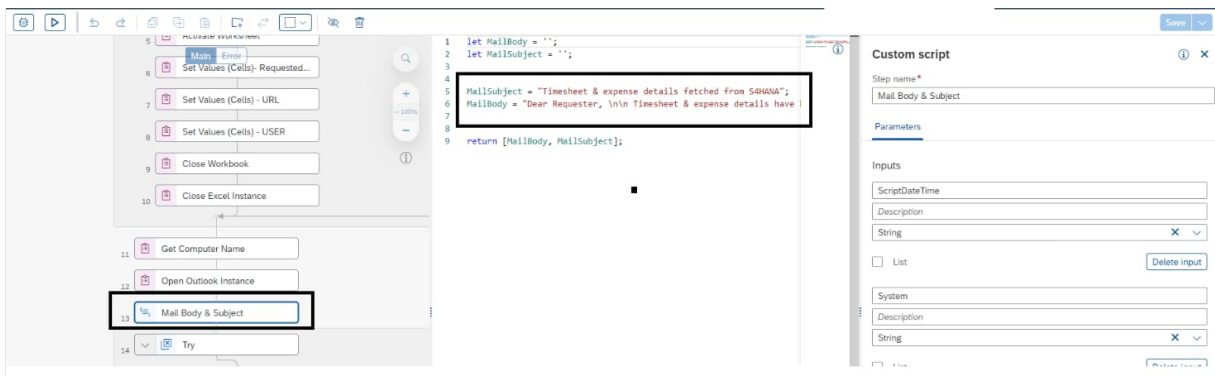
- The mail editor allows you to write and adjust text according to your needs. You can also reuse information that has been collected during the process. If you want to use additional process context data, you can simply drag the fields from the left menu to the editor on the right.

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

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

Note:

- This template includes email notification through process email activity and through Microsoft Outlook used inside the automations. The body and subject details of the email are composed in custom scripts and can be modified accordingly as per your need.



Configure Process Visibility (Optional)

This template has a pre-built dashboard with default business KPIs that can be used by the business users to track end-to-end processes in real-time. You can add more KPIs based on your business requirements.

To configure the visibility scenario:

- Open project '**Overview**' tab
- Select **Mass Transfer of Time and Expenses** (Visibility Scenario)
- Explore and change Phases, Attributes, Performance Indicators etc.

[Follow the documentation to learn how to configure process visibility scenario](#)

In case you don't have access to the process visibility workspace where you can access the newly created dashboards, please contact your IT admin.

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 5 destinations needs not be configured in the SAP BTP cockpit:

- **sap_s4hana_timesheet:** To provide API access for timesheet entries in S/4HANA public cloud.
- **sap_s4hana_pbr:** To provide API access for project billing details in S/4HANA public cloud.
- **sap_s4hana_enterprise:** To provide API access for enterprise project details in S/4HANA public cloud.
- **sap_s4hana_cpd_commercialProject:** To provide API access for commercial project details in S/4HANA public cloud.
- **sap_s4hana_expense:** To provide API access for expense entries in S/4HANA public cloud.

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>

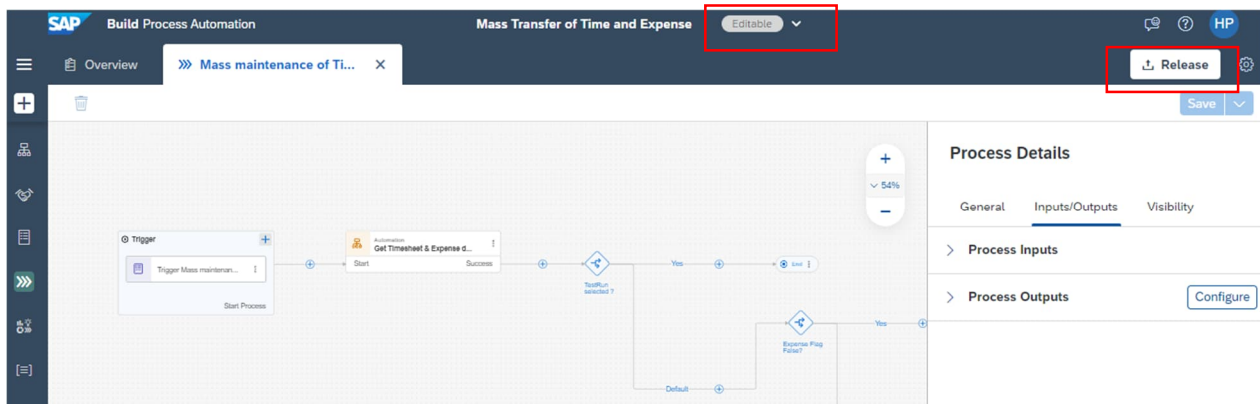
Release and Deploy Process

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**':



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**'.

For more details on deployment, refer to the below link:

- <https://help.sap.com/docs/build-process-automation/sap-build-process-automation/deploying-project?q=deploy>

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

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

For more details about the Destination artefact, please read our [documentation](#).

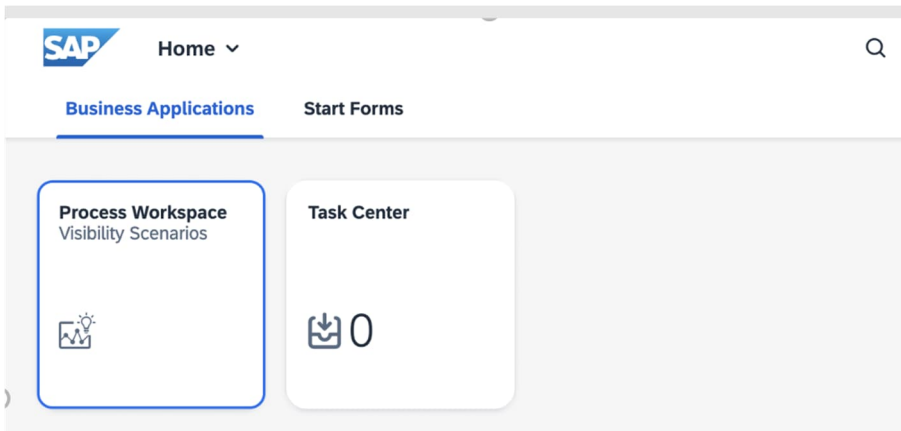
Configure SAP Work Zone

Now that the process is released and deployed, you can configure **SAP Work Zone standard or advanced edition** to give access to your business users to track the process and business KPIs using process visibility workspace.

To configure SAP Work Zone standard edition - add Process Workspace and Task Center tile in SAP Work Zone to access the visibility dashboard. You can also use MyInbox application instead of Task Center, for working with user tasks raised from process.

Follow the tutorial to configure Work Zone with visibility tiles

- <https://help.sap.com/docs/build-process-automation/sap-build-process-automation/gain-visibility-using-process-workspace?q=process%20visibility>




















User Guide






Capabilities

This sample content contains the following elements as key artifacts (detailed explanation with snapshots also provided in later section of the document):

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

Icon	Type	Name	Description
	Process	Mass transfer of Time & Expenses	This is the main process which encapsulates all the other automations and sub processes
	Process	Approval Process: Timesheet and Expense	This sub-process is used for automating the approval flow for time and expense transfers
	Automation	Get Timesheet and Expense entries from S/4HANA	This is the main automation that can be triggered to start the execution flow for time & expense repost. It gets time entries for a particular WBS element and supplier invoice entries for the WBS element from S/4HANA Cloud system. It can be executed in schedule mode as well. Based on the timesheet and expense flag from selection input excel, required repost operation is performed.
	Automation	Send email after data fetch from S/4HANA	Automation that sends email to the requestor of the process after entries have been fetched from S/4HANA
	Automation	Write Fetched Timesheet data to an excel	Automation writes the fetched time entries to the output excel
	Automation	Write Fetched Expense data to an excel	Automation writes the fetched expense data to the output excel
	Automation	Get Timesheet details from S/4HANA	Automation to fetch the data from the excel sheet, required for time posting transfer. The excel is picked from the predefined folder structure and this automation performs the

			actual time transfer between the WBS elements
	Automation	Get Expense details from S/4HANA	Automation to fetch the excel required for the invoice posting. It performs the actual reversal of the invoice and creation and posting of the new invoice for a particular WBS Element. The excel sheet is picked from the predefined folder structure.
	Automation	Timesheet Approval Trigger	Automation that triggers the approval process for the timesheet records
	Automation	Expense Approval Trigger	Automation that triggers the approval process for the expense records
	Automation	Timesheet Repost	Automation that triggers the repost of timesheet entries
	Automation	Expense Repost	Automation that triggers the repost of supplier invoice for a given WBS element
	Decision	Determine Approver	This decision is used to determine the approver who will review and approve the timesheet and expense entries. The approval form will appear in the My Inbox or Task Center application of the selected approvers.
	Decision	Determine Process Admin	This decision is used to determine the process admin who will be notified via an email if the process has an error or an action is required in case approver is not defined.
	Form	Trigger Mass transfer of Times & Expenses	This is the trigger form which is the starting point for the process. It takes root folder path as the input
	Form	Approval Form – Timesheet and Expense	This is an approval form that is send with the details of the WBS elements to the determined approver
	Mail	Email: Missing Approver	This mail step sends a notification to the Administrator about the missing approver

	Mail	Email: Approver Rejection	This mail notification is send after the approver rejects the changes to the WBS elements
	Mail	Email: Timesheet Repost Successfully Completed	This mail notification is send once the timesheet repost is successfully completed in S/4HANA system
	Mail	Email: Timesheet Repost Failed	This mail notification is send if the timesheet repost fails in S/4HANA system, with the reasons for the failure
	Mail	Email: Expense Repost successfully completed	This mail notification is send once the expense repost is successfully completed in S/4HANA system
	Mail	Email: Expense Repost failed	This mail notification is send if the expense repost fails in S/4HANA system, with the reasons for the failure

Forms

This template includes following forms:

- **Approval Form: Timesheet & Expense:** Provides the requested timesheet or expense details to the determined approver for their approval. Approver can review & provide approval along with comments.

Decisions

This package includes few decisions that can be updated based on the requirement. These decisions allow to encapsulate the business logic from core applications and supports the reuse of decision rules across different business processes. It enables customers to adopt changes in processes without changing the underlying process flows.

Determine Approver

This decision is used for determining the approver details such as approver email, approver group etc based on timesheet or expense details such as WBS element.

To check or update the input & output parameter of the decision, it can be accessed in the process & can be updated accordingly with the required data types.

Determine Process Admin

This decision is used for determining process admin in case required approver was not determined. This allows process admin to assign the approval request to the required approver.

Processes

Mass maintenance of Time & Expenses

This process can be triggered through form "Trigger Mass transfer of Time & Expenses" by providing root folder path that includes the templates files directory.

On successful trigger of the process, data from S/4HANA is fetched & timesheet or expense repost is done based on the provided input in selection excel file.

Approval Process: Timesheet & Expense

This process gets triggered by automations "Expense Approval Trigger" and "Timesheet Approval Trigger" for expense and timesheet entries for the approval by determined approver for repost in the S/4HANA.

Actions

- **Creates, updates, or deletes workforce timesheet entry:** This action is responsible for Create, update, or delete workforce timesheet entry based on the data provided in payload.
- **Creates a supplier invoice:** Creates a supplier invoice using, for example, the company code, the invoice gross amount, and the invoicing party.
- **Get entities from ProjectBillingRequest:** This action is responsible to fetch Project Billing Request entries with the help of Project internal ID.
- **Returns details about customer and internal projects:** This action returns the details about whether the project is an internal or customer project.
- **Reads enterprise project definitions:** This action returns enterprise projects based on filters (if available). You can also specify properties of the enterprise project to be returned.
- **Reads workforce timesheet entry information:** This action Reads data for all workforce's timesheet entries. It retrieves information about the time recording made by each workforce on a particular task and on a particular day.
- **Reverses a supplier invoice and returns the reversal number:** This action reverses a supplier invoice and creates a reversal document. The system returns the reversal number.

- **Reads supplier invoice data:** This action reads the supplier invoice data using, for example, the supplier invoice, the fiscal year, the company code, the document currency, the document date, the invoice gross amount, the invoicing party, and the posting date.

Automations

Get Timesheet and Expense entries from S4HANA:

This is the main automation that can be executed to start the execution flow for getting timesheet and expense entries from S/4HANA. It fetches the Selection file from the folder, 'Templates' from the system of the initiator of the process.

It contains 3 sub automations:

- **Get Timesheet details from S/4HANA.**

This automation calls the GET Timesheet entry and GET Commercial Project API

API name	API Link	Purpose
Workforce Timesheet	https://api.sap.com/api/API_MANAGE_WORKFORCE_TIMESHEET /path/get_TimeSheetEntryCollection_PersonWorkAgreementExternalID ____PersonWorkAgreementExternalID____CompanyCode ____CompanyCode____TimeSheetRecord____TimeSheetRecord____	GET the required timesheet entries based on Person ID/Resource assigned to the Work package
Commercial Project – Read	https://api.sap.com/api _CPD_SC_EXTERNAL_SERVICES_SRV/ path/get_ProjectSet____ProjectID____	GET - Returns details about a customer or internal project. The Project ID is used for validations in the Automation

- **Get Expense details from S/4HANA:**

This automation calls the GET Supplier Invoice API

API name	API Link	Purpose
Supplier Invoice Read with Old WBS details	https://api.sap.com/api/ API_SUPPLIERINVOICE_PROCESS_SRV/path/ get_A_SupplierInvoice_SupplierInvoice____ SupplierInvoice____FiscalYear____FiscalYear____	GET - Read the supplier invoice details

- **Send email after data fetch from S4HANA:**

Sends email to the requestor of the process once data is fetched from SAP S/4HANA

Get Timesheet details from S/4HANA:

This automation reads the output file from the automation 'Get Timesheet and Expense entries from S/4HANA' and performs the time transfers between the WBS elements.

The automation uses the following API to perform the time transfer operation.

API name	API Link	Purpose
Workforce Timesheet	https://api.sap.com/api/API_MANAGE_WORKFORCE_TIMESHEET/path/post_TimeSheetEntryCollection	POST - the required timesheet entries to a new WBS element

The sub-automation in this automation is:

- **Write Fetched Timesheet data to an excel.**

The excel generated will be placed in the folder: '**FetchedData**'.

Get Expense details from S/4HANA

This automation reads the output file from the automation '**Get Timesheet and Expense entries from S4HANA**' and performs the time transfers between the WBS elements.

The automation uses the following API to perform the time transfer operation.

API name	API Link	Purpose
Supplier Invoice Create with new WBS details.	https://api.sap.com/api/API_SUPPLIERINVOICE_PROCESS_SRV/path/post_A_SupplierInvoice	Creates a new Supplier Invoice with details like company code, WBS Element, Invoice gross amount, and the invoicing party.
Supplier Invoice Reverse	https://api.sap.com/api/ALIERINVOICE_PROCESS_SRV/path/post_Cancel	POST - Reverse a supplier invoice with old wbs by providing the inputs like: Supplier Invoice number, Reversal reason, posting date and Fiscal year

The sub-automation in this automation is:

- **Write Fetched Expense data to an excel**

Process Visibility Scenario

The visibility scenario is a dashboard which allows business users to track relevant process KPIs and statuses. A default dashboard is provided with this template, and it can be customized by selecting attributes from your process which you want to track in the process dashboard.

You can read more [here](#)

Support

There is no support available for the 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 decision 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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