

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Manage Posting Period Approval

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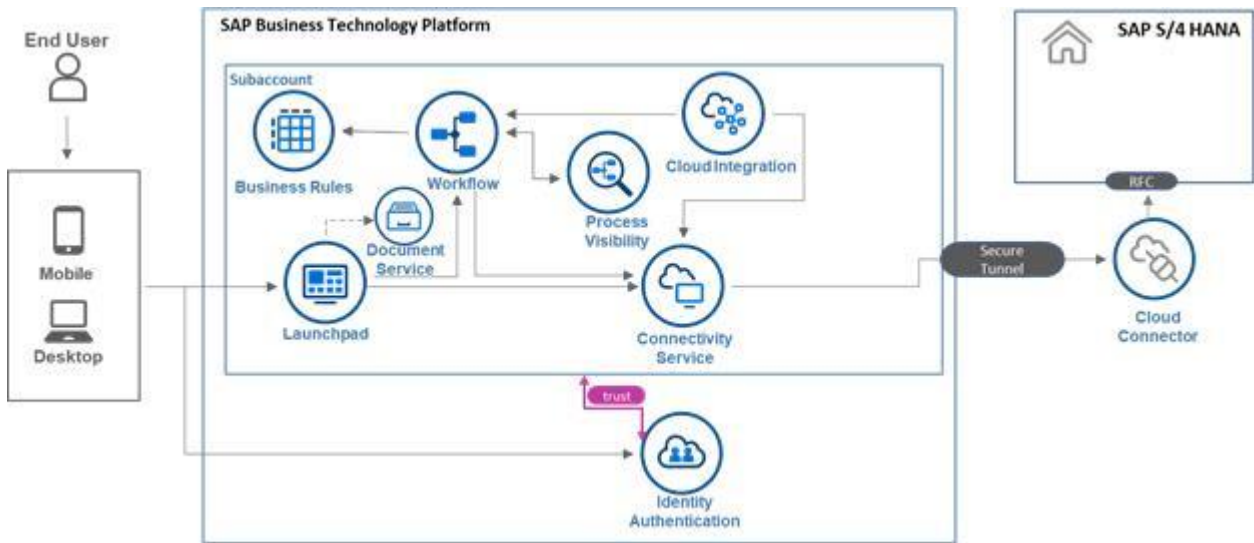
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Overview

This document provides information about setup steps to consume the integration package for **Manage Posting Period Approval**.

The live process content focuses on enabling business to open the already closed periods due to some adjustments or corrections to be made as suggested by the auditors. The solution focuses on a custom workflow based on BTP that can help business to get proper approvals before opening the closed posting periods.

Solution Diagram



This Integration Package contains the following salient features:

- Get Approvers for Posting Period integration model fetches approver details for approving changes in posting periods from SAP S/4HANA to **SAP Build Process Automation** or **SAP Workflow Management**.
- Update Posting Period integration model retrieves posting period changes from **SAP Build Process Automation** or **SAP Workflow Management** and update posting period in SAP S/4HANA

Required SAP Business Technology Platform Services

The workflow content package **Manage Posting Period Approval** is intended to be used for SAP S/4HANA (on-premise) and requires the following services in SAP BTP:

- **SAP Build Process Automation** or SAP Workflow Management to orchestrate the process.
- Cloud integration capability within SAP Integration Suite.
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA.
- SAP Launchpad service to access the apps that are involved in the process.
- SAP Business Application Studio to modify/deploy the SAPUI5 applications.
- SAP BTP, Cloud Foundry runtime.
- SAP Cloud Identity Services (Optional)

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content package **Manage Posting Period Approval**.

Configure RFC Destination

Configure a RFC destination to connect with SAP S/4HANA on-premise. Below is a destination configuration for SAP S/4HANA on-premise.

Note: This destination is required by Cloud Integration (Suite).

Name	<RFC_DESTINATION_NAME>
Type	RFC
Proxy Type	OnPremise
User	<ONPREMISE_USER>
Password	<ONPREMISE_PASSWORD>
Repository User	<ONPREMISE_USER>
Repository Password	<ONPREMISE_PASSWORD>

Additional Properties	jco.client.ashost: <host>
Additional Properties	jco.client.client:<client number>
Additional Properties	jco.client.lang: <language>
Additional Properties	jco.client.sysnr:<system number >

Configure Cloud Connector

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP BTP 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/FAC_GL_MAINT_POSTING_PERIOD_SRV	OData	ABAP System
ZWF_RFC_HR_MASTER_GET_APPR	RFC	ABAP System

Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the – Emission Data in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Manage Posting Period Approval** is available in SAP API Business hub to integrate **SAP Build Process Automation** or SAP Workflow Management with SAP S/4HANA. Integration models use RFC and OData to integrate with SAP S/4HANA. The following integration models are available in this package.

1. Get Approvers for Posting Period.
2. Update Posting Period.

Import the integration package to your SAP Cloud Integration tenant. To be able to import and deploy integration flows, you need the role AuthGroup. IntegrationDeveloper (in Neo environment) or PI_Integration_Developer (in cloud foundry environment) assigned in your tenant.

Import pre-packaged Integration content in SAP Integration Suite

- Access your SAP Integration Suite tenant management node (<https://<integrationtenant>/itspaces>).
- View all pre-packaged integration flow under Discover->Integration. (<https://<integrationtenant>/itspaces/shell/discover>)
- Search content package “**SAP Build Process Automation Integration with SAP S/4HANA for Manage Posting Period Approval**”.
- Click on the package “**SAP Build Process Automation Integration with SAP S/4HANA for Manage Posting Period Approval**”.
- Click Copy to import the Integration content package to your workspace.
- Navigate to the Monitor view (<https://<integrationtenant>/itspaces/shell/monitoring>) to setup the security materials required for the package.
- Deploy the following credentials using the Security Material app.
In Integration Suite, open Operations view, then click on Security Material to create and deploy security materials.
 - S4HANA – (User Credentials)

Create User Credentials

Name: *

Description:

Type: * ▼

User: *

Password:

Repeat Password:

Deploy Cancel

Note: The credential names can be different from what is mentioned above. Make sure that you configure the appropriate credential names in the integration flow's OData adapter configuration.

RFC Adapter Configuration

- Open the integration model *Get Approvers for Posting Period*.
- Click **Configure** button, choose receiver "SAP_S4HANA_RFC" and set the required destination name.

Receiver
More

Receiver: ▼

Adapter Type: ▼

Connection

Destination:

- Go to More tab and enter the RFC_Name and if required, change the values for HTTP Session Reuse and Transaction Handling.

Configure "Get Approvers for Posting Period"

Sender Receiver **More**

Type:	All Parameters
HTTP_Session_Reuse:	onExchange
RFCName:	ZWF_RFC_HR_MASTER_GET_APPR
Transaction_handling:	Not Required

- Save the integration model.

OData Adapter Configuration

- Open the integration model Update Posting Period.
- Click **Configure** button, choose receiver "SAP_S4HANA_ODATA" and set the respective endpoint and credential names.

Configure "Update Posting Period"

Sender **Receiver** More

Receiver:	SAP_S4HANA_OData
Adapter Type:	HCIOData
Connection	
Address:	{{Odata_Address}}/sap/opu/odata/sap/FAC_GL_MAINT_POSTING_...
Odata_Address:	http [redacted]
Proxy Type:	On-Premise
Location ID:	
Authentication:	Basic
Credential Name:	[redacted]

- Go to More tab and enter the Client_No and if required, change the values for HTTP Session Reuse and Transaction Handling.

Configure "Update Posting Period"

Sender Receiver **More**

Type:	All Parameters
Client_No:	
HTTP_Session_Reuse:	onExchange
Transaction_Handling:	Required

- Save the integration model.

Once all the required configurations are done, deploy all the integration models.