

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA
for Customer Business Discontinuation in Accounts Receivable

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Overview

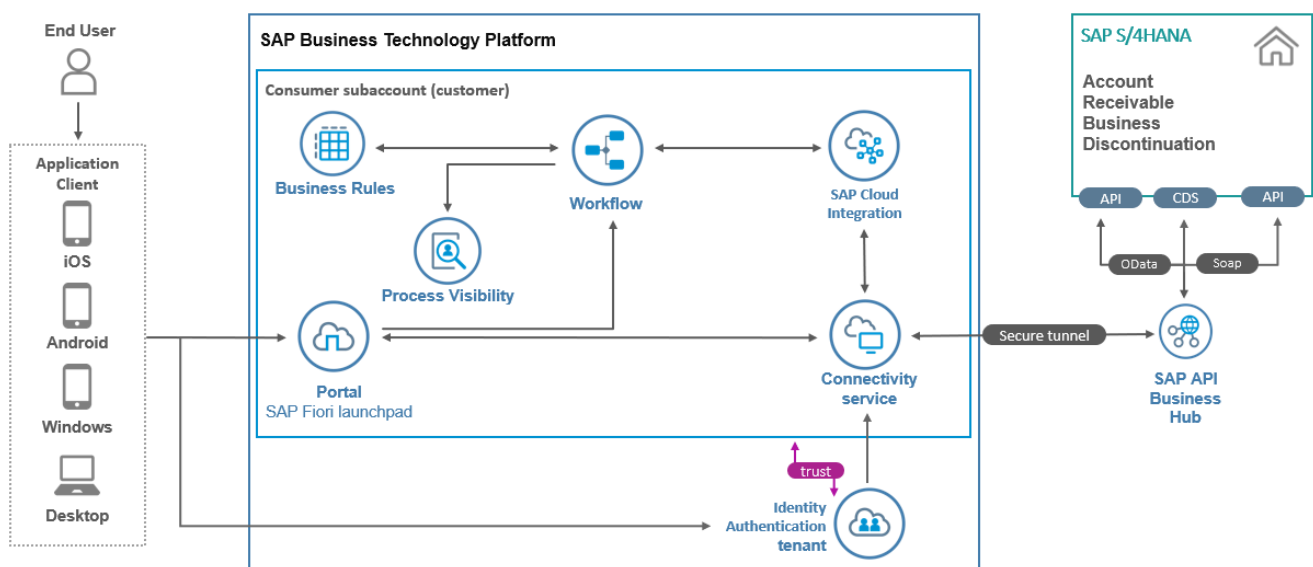
This package contains Integration flow to clear open accounting documents for customers as part of Business discontinuation in SAP S/4HANA for requests from SAP Build Process Automation or SAP Workflow Management.

This package contains the below Integration flow

- **Journal Entry - Clearing:** Request to clear Open Accounting Documents in case of “Zero net balance Only” would be triggered from SAP Build Process Automation or SAP Workflow Management. Cloud integration flow would check for the open documents and based on the response, would trigger a request to SAP S/4HANA for clearing of accounts. In the event of no open documents, Message is sent back to SAP Build Process Automation or SAP Workflow Management.

Scenario Definition

- Journal Entry Clearing integration model is in place to automate the clearing of open accounts for a customer as part of business discontinuation hence reducing the need for manual intervention and that these transactions can be tracked and monitored before actual document posting in SAP S/4HANA.
- This scenario only covers “Full clearing of Accounts”
- This extension will enable Account clearing for customers as part of business Discontinuation.



Required SAP Business Technology Platform Services

The workflow content package “SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable ” is intended to be used for SAP S/4HANA 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 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.

Setup and Configuration

This section will explain how to set up the integration content that is required for the workflow content packages **SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable** .

Configure SAP S/4HANA Communication User

Communication User is setup, which is required for the Message exchange between integration model, workflow and SAP S/4HANA. Perform the below steps to create communication user.

- In SAP S/4HANA Cloud, Search for the section “Communication management” and select the tile “Maintain Communication users”.
- Click “New Button” and enter the below Information.

Name	<User Name>
Description	<Enter desired description for the system/user>
Password	<Password>

Configure SAP S/4HANA Communication system

Communication system is setup, which is required for the flows between integration model, workflow and SAP S/4HANA. Perform the below steps to create a communication system.

- In SAP S/4HANA Cloud, Search for the section “Communication management” and select the tile “Communication systems”.
- Click “New Button” and enter the below Information.

New Communication system	
System ID	<System ID>
System Name	<System name>
General	

Host Name	<Host Name of System>
Logical System	<Enter a Desired logical system name>
Port	443
Users for Inbound Communication	
User Name	<Select the user created in the previous step using '+' Icon>
Authentication Method	User Name and Password
Users for Outbound Communication	
Authentication Method	User Name and Password
User Name	<Mention the iFlow user to connect to cloud iFlow>
Password	<Enter Password of user of connect to Cloud iFlow>

Configure SAP S/4HANA Communication Arrangement

Configure SAP S/4HANA communication arrangement that combines the system and user created in the above steps. Below is an arrangement configured in SAP S/4HANA Cloud.

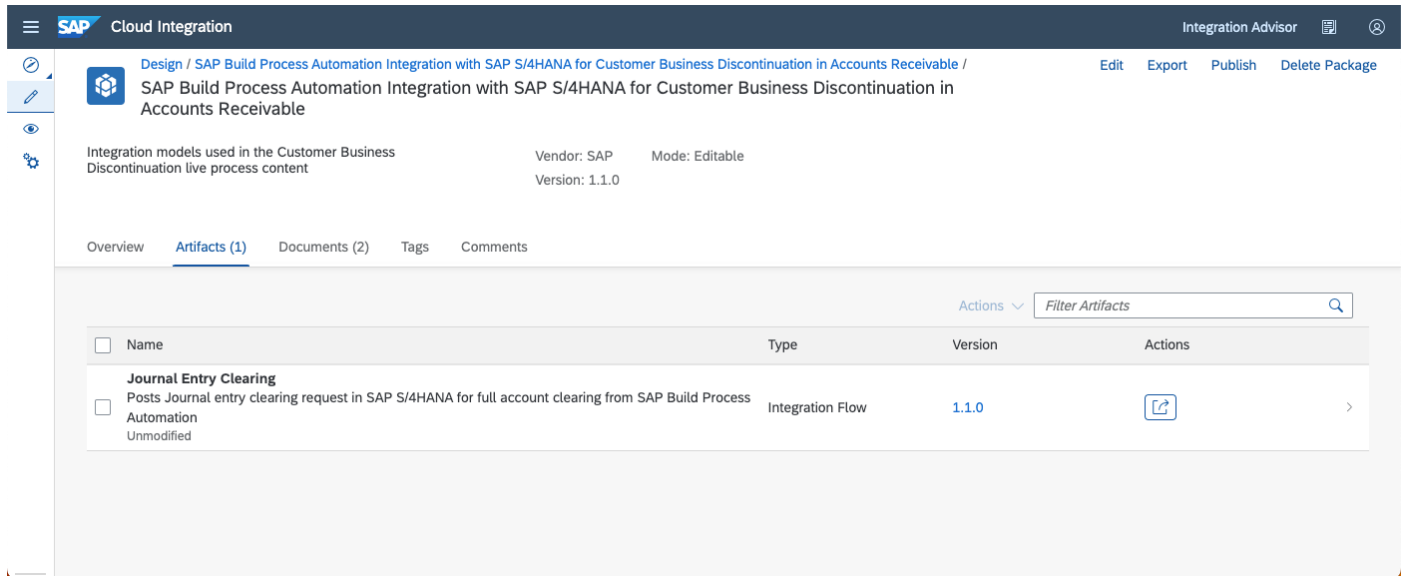
Note: This destination is required by Cloud Integration (Suite).

- In SAP S/4HANA cloud, Search for the section “Communication management” and select the tile “Communication Arrangements”.
- Click “New Button” and enter the below Information.



New communication Arrangement (For Journal Entry - Clearing (Asynchronous))	
Scenario	SAP_COM_0002- Finance - Posting Integration
Arrangement Name	SAP_COM_0002 <Automatically populates on selecting Scenario>
Common Data	
Communication System	<Select Communication system from previous step>
Inbound Communication	
User Name	<Automatically populates on selecting communication system>
Authentication Method	<Automatically populates on selecting communication system>
Inbound Services	
Service	<Inbound Services automatically populate>
Outbound Communication	
User Name	<Automatically populates on selecting communication system>
Authentication Method	<Automatically populates on selecting communication system>
Outbound Service – Yet to be Activated	

Import, configure and deploy cloud Integration content

The workflow content requires cloud integration to process Journal Entry clearing requests to SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA.



The screenshot displays the SAP Cloud Integration interface. The top navigation bar includes the SAP logo, 'Cloud Integration', and 'Integration Advisor'. The main header shows the design path: 'Design / SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable / SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable'. Below this, it indicates 'Integration models used in the Customer Business Discontinuation live process content', 'Vendor: SAP', 'Mode: Editable', and 'Version: 1.1.0'. The 'Artifacts (1)' tab is active, showing a table with one artifact:

Name	Type	Version	Actions
<input type="checkbox"/> Journal Entry Clearing Posts Journal entry clearing request in SAP S/4HANA for full account clearing from SAP Build Process Automation Unmodified	Integration Flow	1.1.0	 

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 Customer Business Discontinuation in Accounts Receivable".
- Click on the package SAP Build Process Automation Integration with SAP S/4HANA for Customer Business Discontinuation in Accounts Receivable .
- Click Copy to import the Integration content package to your workspace.

- Navigate to the Monitor view ([https://< integrationtenant >/itspaces/shell/monitoring](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.
- SAP S4HANA – (User Credentials) To call the Journal Entry Clearing API in SAP S/4HANA. The user must have the relevant communication scenarios as mentioned in section “Configure Communication Scenarios in SAP S/4HANA”.
- Workflow – (Basic + Token) To send back the confirmation to SAP Build Process Automation or SAP Workflow Management. Make sure that the process automation or workflow service instance was created with the following scopes - WORKFLOW_INSTANCE_GET, WORKFLOW_INSTANCE_START, WORKFLOW_INSTANCE_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 SOAP and HTTP adapter configurations.

Journal Entry - Clearing

- Open the integration model Journal Entry - Clearing.
- Click Configure button, choose the appropriate Sender (SAP Build Process Automation or SAP Workflow Management) and receiver (SAP S/4HANA) and set their respective API endpoint and credential names.
- Configure cloud integration parameters to enable the End-to-end flow of business data. Navigate to the IFlow and Click on configure on the top right. Once all parameters are configured, Click on Deploy.

Journal Entry - Clearing	
Sender – Workflow	
Body Size	<Enter Desired Maximum Payload body size allowed>
Receiver – SAP S4HANA	
S4HostName	<Mention host name of SAP S/4HANA>
Credential Name	<Select the Corresponding Credential Name from security Material>
Timeout	<Enter desired connection Timeout in milli second>
More	
HTTP Session Reuse	<Select “On Exchange” or “On Integration flow” based on requirement>

- Deploy the integration model.