

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price

Table of Contents

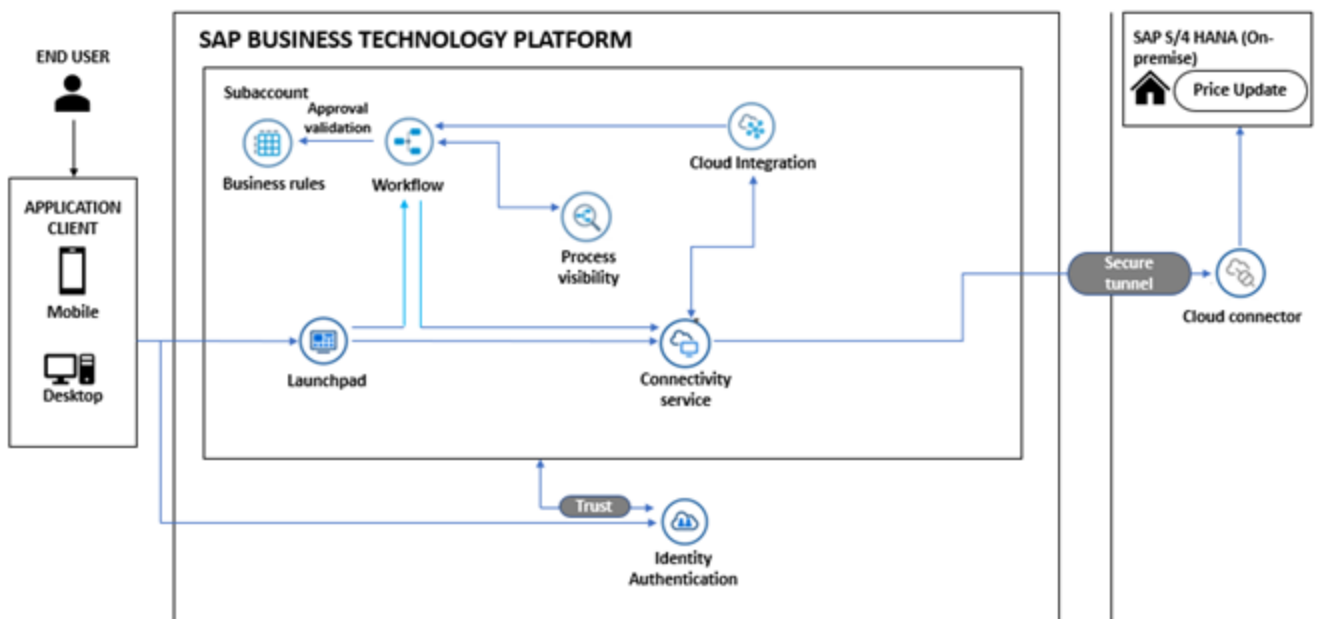
Table of Contents	2
Overview	3
Required SAP Business Technology Platform Services	4
Setup and Configuration.....	5
Configure SAP S/4HANA Destination.....	5
Configure Cloud Connector	5
Import, configure and deploy cloud integration content.....	6
Import pre-packaged Integration content in SAP Integration Suite	6
Determine Approvers from External Service.....	7

Overview

This document provides information about integration to consume the integration package - **SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price**. The main audience of this document are technical IT/system administrators.

During retail & manufacturing business, there are many instances of customer returns, Quality rejects, missed shipment order resulting in accumulation of inventory across locations – Retail stores, Warehouse, Distribution centers and manufacturing plants. Such stocks are important to be noticed by Factory managers, warehouse Managers & Retail Managers and work with Supply chain team to work on next steps. Such stocks are important to be re-channelized by Supply chain team to Markdown for stock clearance, Employee sales and hence monetize the inventory.

In order to handle this, Supply chain planner analyses stocks situation across locations, decides to propose the price markdown for such products. It is then released for Price approval from the Merchandise manager. After this, the new price will be updated for the products and will be sold at Store or through online to the customers.



Required SAP Business Technology Platform Services

The workflow content package **SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price** is intended to be used for SAP S/4HANA (on-premise and cloud) 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 on-premise.
- SAP Cloud Portal service or SAP Launchpad service to access the apps that are involved in the process.
- SAP Cloud Identity Services - Identity Authentication (optional).
- SAP Business Application Studio to modify/deploy the SAPUI5 applications.
- SAP BTP, Cloud Foundry runtime.

Setup and Configuration

This section will explain how to setup the integration content that is required for the workflow content packages **SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price**.

Configure SAP S/4HANA Destination

Configure a HTTP destination to connect with SAP S/4HANA on-premise or SAP S/4HANA Cloud, refer to documentation [here](#) for the same. The below is a destination configuration for for SAP S/4HANA on-premise .

Name	S4HANA_RFC or <any name, but make sure that the destination name in integration flow is a configurable parameter>
Type	RFC
Proxy Type	OnPremise
Description	S4E
User	<TECHNICAL_USER>
Password	<PASSWORD>
Authentication	BasicAuthentication
Additional Properties	Name: jco.client.ashost Value: <abapServerHost> Name: jco.client.client Value: <client id> Name: jco.client.sysnr Value: <systemNumber>

Configure Cloud Connector

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP BTP tenant for RFC calls. Please refer the help documentation to [configure Cloud Connector](#).

Expose the Following BAPI/RFC in the SAP Cloud Connector:

- ZBAPI_RPC_CALCULATE_PRICES
- RFC_READ_TABLE – This RFC is used in the integration flow to fetch F4 values for UI fields. Plant Group, Price Sequence.

Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the **Retail Sales Price update** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price** 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 function module through Integration Flow. Also, for few of the F4 help on the UI5 side few Integration Flows are designed to export the values from the table to integrate with SAP S/4HANA.

The following integration models are available in this package.

1. Get Plant Group Detail From SAP S4HANA
2. Get Price Details from SAP S4HANA
3. Get Price Sequence Detail from SAP S4HANA
4. Update Retail Sales Price Details

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 Update Retail Sales Price**”.
- Click on the package **SAP Build Process Automation Integration with SAP S/4HANA for Update Retail Sales Price**.
- Click Copy to import the Integration content package to your workspace.
- Navigate to Design to open the imported content package.
- Open all Integration models, select Configure, set configured value as RFC Destination created in the section **Configure SAP S/4HANA Destination** of this document.

Configure "Update Retail Sales Price Details"

Sender **Receiver**

Receiver: SAP_S4HANA

Adapter Type: RFC

Connection

Destination: ERP_Destination

Send Confirm Transaction:

- Click Configure button, choose the appropriate sender, and set their respective User Role credentials
- Save and Deploy the integration model.

Determine Approvers from External Service

Based on conditions that can be configured in the business rule, the approvers can be determined using a business rule configured in the BTP tenant or the approvers can be retrieved from any backend system like HR systems, SAP S/4HANA, etc. If the approvers need to be determined by an external service, then a new integration flow shall be implemented with the following information:

API Attributes	Values
Path	/http/comsapcontentRetailSalesApprover
HTTP Method	POST
Payload sent by workflow (sample data)	<pre>{ "Vocabulary": [{ "RetailSalesData": { "MarkupPrice":5, </pre>

	<pre> "SalesOrganisation":"0001", "Plant":" DC01", "DistributionChannel":"01", "Role":"Merchandise Team" }] } </pre>
Response Payload from integration flow	<pre> { "Result": [{ "ApproverDetails": { "Duration": <integer> "UnitOfTime": <"H" OR "M" OR "m" OR "Y" OR "D">, "ApproverMailID": "abc@email.com", "ApproverUserID": " <UserID>", "ApproverUserGroup": "<UserGroup>" } }] } </pre> <p>Note: When Status is not 200, then it is considered a failed service call.</p>
Payload Type	Application / JSON