

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

# Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Customer Contract Change

# 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
Import, configure and deploy cloud integration content .....	5
Import pre-packaged Integration content in SAP Integration Suite.....	6
HTTP Adapter Configuration.....	7

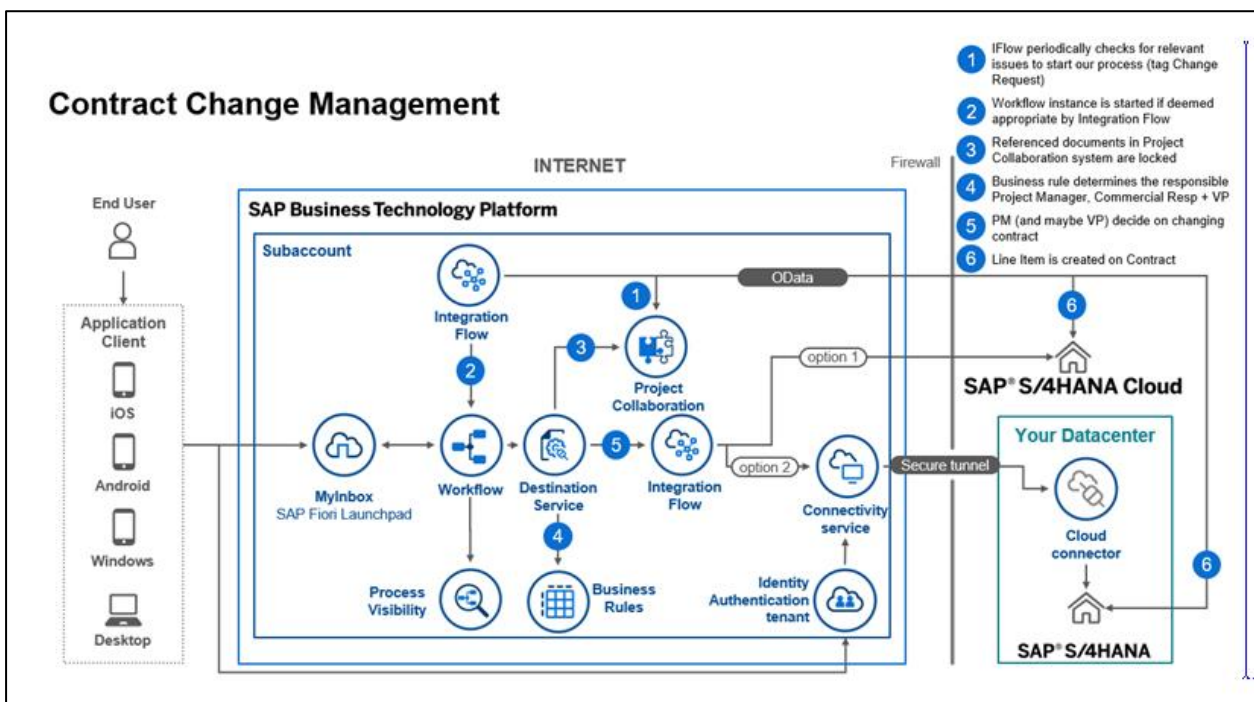
# Overview

This document provides information about configuration steps to setup the integration content to consume the workflow content packages **Customer Contract Change**. The primary audience of this document is integration administrators and developers.

This integration package enables an automatic query of Issues with a change request tag in S/4HANA based on a timer and start workflow instance(s). This package also enables SAP Workflow to update Document Status in S/4HANA.

Salient features of this content package are:

- Starts workflow instance(s) when there is issues closed in S/4HANA
- Update document status in S/4HANA



# Required SAP Business Technology Platform Services

The workflow content packages **Customer Contract Change** is intended to be used for SAP S/4HANA (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 to push Issue lifecycle events.

# Setup and Configuration

This section will explain how to setup the integration content that is required for the workflow content packages **Customer Contract Change**

## 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 Cloud*.

Name	S4HANA
Type	HTTP
Proxy Type	Internet
User	<COMMUNICATION_USER>
Password	<COMMUNICATION_PASSWORD>
Authentication	BasicAuthentication
URL	<OData URL of SAP S/4HANA System>
Additional Properties	sap-client: <client number>

## Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the **Customer Contract** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Customer Contract Change** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA. Integration models use OData APIs to integrate with SAP S/4HANA. The following integration models are available in this package.

Design / SAP Workflow Management Integration with SAP S/4HANA - Customer Contract Change /  
 SAP Workflow Management Integration with SAP S/4HANA - Customer Contract Change

SAP Workflow Management Integration with SAP S/4HANA - Customer Contract Change      Vendor: SAP      Mode: Editable  
 Version: 1.0.0

Overview    **Artifacts (2)**    Documents    Tags    Comments

<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	<b>Poll S4HANA for Customer Contract Change</b> Query S/4HANA for any business partner change based on configured value Created	Integration Flow
<input type="checkbox"/>	<b>Update Document Status</b> Enables workflow to update document status in S/4HANA Created	Integration Flow

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 Contract Change**”.
- Click on the package **SAP Build Process Automation Integration with SAP S/4HANA for Customer Contract Change**.
- 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.
  - **Workflow** – (OAuth2 Client Credentials for SAP Build Process Automation or Workflow) To start the approval workflows in 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.
  - **S4HANA** – (User Credentials) To call the sales quotation APIs in SAP S/4HANA. Make sure that the user has the relevant communication scenarios as mentioned in section Configure SAP S/4HANA Communication User.

**Edit User Credentials**

Name: \* S4HANA

Description: To communicate with S4HANA

Type: \* User Credentials

User: \*

Password:

Repeat Password:

Deploy Cancel

- COPIN – (User Credentials) To communicate with SAP S/4HANA Cloud for Projects, project collaboration. Password's format will be <user password>\*<Client ID>\*<Client secret> where "\*" is the separator.

**Edit User Credentials**

Name: \* COPIN\_USER

Description:

Type: \* User Credentials

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 HTTP adapter configuration.

### HTTP Adapter Configuration

- Open the integration model *Poll S4HANA for Customer Contract Change*
- Click **Configure** button, choose the appropriate receivers (workflow, process visibility or SAP S/4HANA) and set their respective API endpoint and credential names.
- Go to the **More** tab and configure additional parameters:  
 COPIN\_USER – COPIN requires an additional authentication where token will be manually retrieved in the integration flow.

## Configure "Poll S4HANA for Customer Contract Change"

Timer   Receiver   **More**

Type:	<input type="text" value="All Parameters"/>
COPIN_USER:	<input type="text" value="COPIN_USER"/>
Last changed in minutes:	<input type="text" value="30"/>

- Save and Deploy the integration model.
- Similarly, configure the **Update Document Status** integration model and deploy them.