

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Handle Tenant Move In Date Changes

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Overview

This document provides information about setting up the SAP Business Technology Platform account to consume the live process content package “**Handle Tenant Move-In Date Changes**”. The main audience of this document are technical IT/system administrators.

When a tenant contacts a utility company to change to a future Move-In, the user agent initially performs validation if the tenant has a contract and whether it has a valid owner existing for a particular contract. Once the Move-In date is changed for a tenant a workflow will be triggered to perform Move-Out of Owner. Initially in the workflow there is a check to see if there is tenant-owner relationship existing based on the Move-Out Document Number. If there is no tenant-owner relationship, the service order of the tenant is updated with a Move-In date.

If in case tenant-owner relationship exists, Move-Out date of the owner is changed and then the corresponding service order of the tenant is also updated with the Move-In date.

Move-Out date of owner happens one day prior to the Tenant Move-In date

Salient features of the content package are:

- Plug and play with SAP S/4HANA without any additional development.
- Provision for exception handling with the help of out-of-the-box workflow features.
- Auto update service order.
- Cancellation of previously running workflow instances for the same Move-In document number.

Required SAP Business Technology Platform Services

The live process content packages **Handle Tenant Move-In Date Changes** is intended to be used for SAP S/4HANA 1809 On-Premises and requires the following services in SAP Business Technology Platform:

- SAP Build Process Automation to orchestrate the process
- SAP Integration Suite to start the workflow instance and to update the Owner Move-Out date and service order date.
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA on-premises.
- SAP Work Zone 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 Business Technology Platform, Cloud Foundry runtime.

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content package **Handle Tenant Move-In Date Changes**.

Configure RFC Destination

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

Note: This destination is required for SAP Integration Suite. If the below mentioned destination name is changed, then the integration flow needs to be configured accordingly.

Name	S4HANA
Type	RFC
Proxy Type	On-premise
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
Additional Properties	jco.client.sysnr:

[Optional] Configure Cloud Connector

For SAP S/4HANA on-premises 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-premises using Cloud Connector are as mentioned below:

Resources	Protocol	Use
TH_GET_VIRT_HOST_DATA	RFC	To fetch the Host and Port of the backend system
ZW_FETCH_SERVICE_ORDER_NUMBER	RFC	To fetch the Service Order details
ZWRAPPER_SERVICE_ORDER_UPDATE	RFC	Service Order change Date
ZW_MOVE_OUT_DATE_CHANGE	RFC	Wrapper to update the Move- Out Date

Configure BOR Events in SAP S/4HANA

- From the Transaction code SWE2 create a Workflow Event for-MOVEINDATECHANGED and activate it.
- Redefine the standard Function Module SWW_WI_CREATE_VIA_EVENT to a wrapper Function module ZSWW_WI_CREATE_VIA_EVENT.
- Double click on the previously created BOR event and maintain the wrapper Function module ZSWW_WI_CREATE_VIA_EVENT in the Receiver Function Module field.

Import SAP Business Technology Platform certificates into SAP S/4HANA

From the SAP Business Technology Platform tenant specific to your Integration Suite service, [export certificates](#) from SAP Business Technology Platform tenant and import the certificates in to SAP S/4HANA system using the t-code STRUST.

Follow the SAP Note: [25211098](#) to import the certificates to SAP S/4HANA.

Configure and deploy Integration Suite content

HTTP Adapter Configuration

- Open the integration model **Trigger Workflow Owner Move-Out**
- Click **Configure** button, choose the appropriate receivers (workflow, or SAP S/4HANA) and set their respective API endpoint, credential name, timeout.
- Click on Save and deploy.

RFC Adapter Configuration

- Open the integration model **“Update Owner Move-Out Date”**.
- Click **Configure** button, choose the appropriate receivers, and set the respective RFC destination name that was previously created.
- Click on save and deploy.
- Follow the same approach for the other integration models.