

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Manage Emissions Data

Table of Contents

Table of Contents.....	2
Overview	3
Required SAP Business Technology Platform Services	3
Setup and Configuration	4
Configure RFC Destination	4
Configure Cloud Connector	4
Configure and deploy Integration Suite content	4
 RFC Adapter Configuration	4
 OData Adapter Configuration	5
 HTTP Adapter Configuration	5

Overview

This document provides information about setup steps to consume the integration package for **Manage Emissions Data**.

The SAP Emission Management process is used to collect and monitor the emission data for different frequencies – hourly, daily, monthly, half-yearly, yearly. This process is integrated with the Plant Maintenance and Incident Management process.

This Integration Package contains the following salient features:

- Get Approvers for Emission Data integration flow gets approver details for emissions data from SAP S/4HANA to SAP Build Process Automation.
- Trigger Workflow for Emission Data integration flow reads emission data from SAP S/4HANA and trigger workflows in SAP Build Process Automation.
- Update Emission Data Status integration flow gets approval status from SAP Build Process Automation and update status of Emission Data in SAP S/4HANA

Required SAP Business Technology Platform Services

The SAP Build Process Automation content package **Manage Emissions Data** is intended to be used for SAP S/4HANA (on-premises) and requires the following services in SAP Business Platform Technology:

- SAP Build Process Automation
- SAP Integration Suite
- SAP Connectivity service
- SAP Business Application Studio
- SAP Application Runtime Service
- SAP Work Zone, standard or advanced
- SAP Cloud Identity Services - Identity Authentication (optional)

Setup and Configuration

This section will explain how to setup the integration content that is required for the SAP Build Process Automation content package **Manage Emissions Data**.

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 Integration Suite.

Name	<RFC_DESTINATION_NAME>
Type	RFC
Proxy Type	On-premises
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-premises landscape, configure cloud connector to enable secure tunnel to SAP Business Technology Platform 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

Resources	Protocol	Backend-Type
/sap/opus/OData/sap/ EM_MONITORDATA_SRV	OData	ABAP System
ZWF RFC EMISSIONS_GET_APPR	RFC	ABAP System
BAPI_USER_GET_DETAIL	RFC	ABAP System

Configure and deploy Integration Suite content

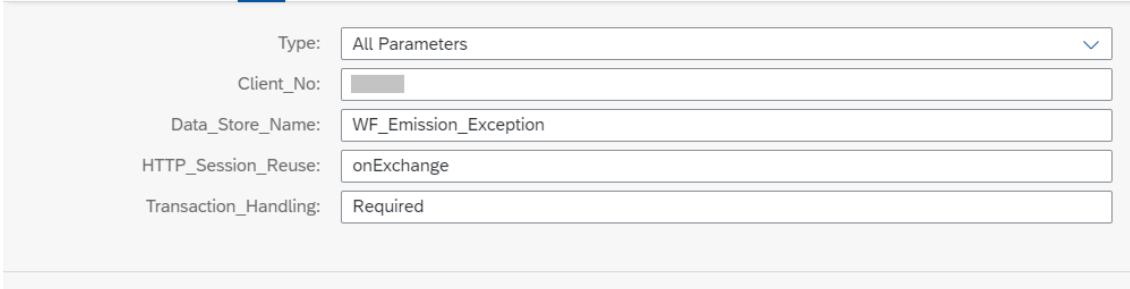
RFC Adapter Configuration

- Open the integration model Trigger Workflow Emission Data
- Click configure button, choose receiver “SAP_S4HANA_RFC” and set the required destination name.
- Save the integration model.
- Maintain the same RFC Adapter settings for receiver “SAP_S4HANA” in Get Approvers for emission data integration model and save the same.

OData Adapter Configuration

- Open the integration model Trigger Workflow for Emission Data.
- Click configure button, choose receivers “SAP_S4HANA_GET_Emission”, “SAP_S4HANA_GET_Previous”, “SAP_S4HANA_GET_ScenarioLimit”, “SAP_S4HANA_GET_Scenario” and set the respective endpoint (the host and port as applicable) and credential names.
- Go to More tab and enter the Client No and if required, change the values for Data Store Name, HTTP Session Reuse and Transaction Handling.

Configure "Trigger Workflow for Emission Data"



Timer Receiver **More**

Type: All Parameters

Client_No: [REDACTED]

Data_Store_Name: WF_Emission_Exception

HTTP_Session_Reuse: onExchange

Transaction_Handling: Required

- Save the integration model.
- Maintain the same OData Adapter settings for receiver “SAP_S4HANA” in Update Emission Data Status integration model and save the configurations.
- Also, maintain the same “More” tab settings in Update Emission Data Status integration model and save the configurations.

HTTP Adapter Configuration

- Open the integration model Trigger Workflow for emission data.
- Click configure button, choose receivers “SAP_WorkflowManagement_POST” and “SAP_WorkflowManagement_GET” and set the respective endpoint and credential names.
- Save the integration model.
- Similarly, configure the other integration models. Once all the required configurations are done, deploy all the integration models.