

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP
S/4HANA for Automatic Overtime Split

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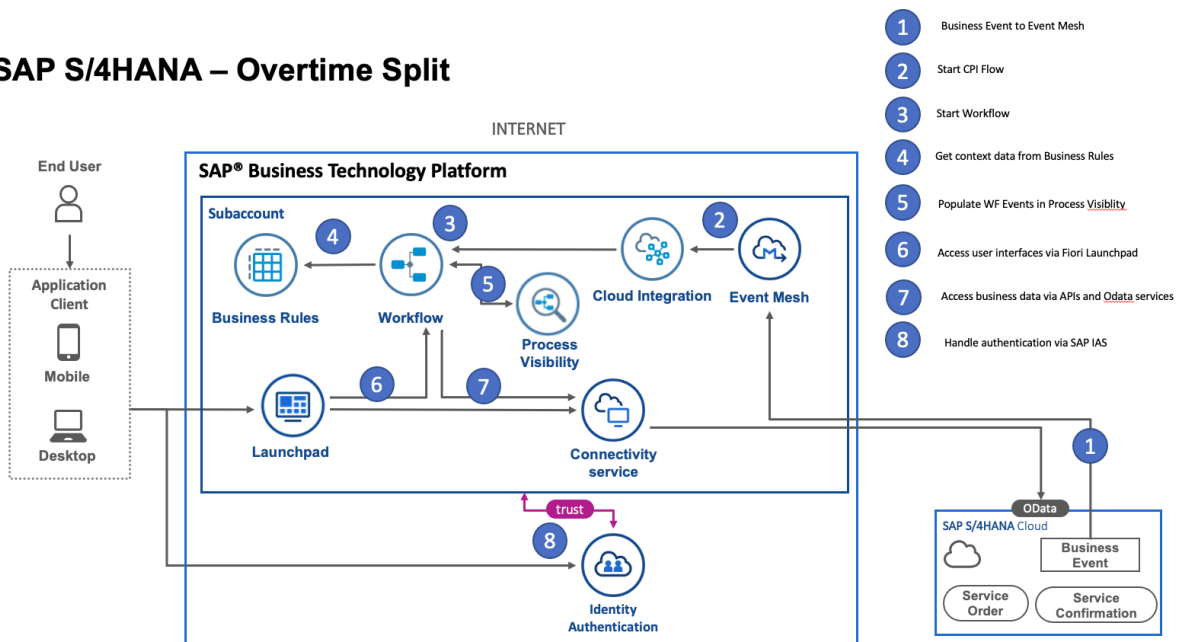
Overview

This document provides information about configuration steps to setup the integration content to consume the live process content packages **SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split**. The primary audience of this document is integration administrators and developers. This integration package enables the SAP S/4HANA to trigger workflow instances through SAP Event Mesh.

Salient features of this content package are:

- Start a workflow instance on SAP Build Process Automation or SAP Workflow Management

SAP S/4HANA – Overtime Split



Required SAP Business Technology Platform Services

The live process content packages **SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split** 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
- Cloud Integration capability within SAP Integration Suite
- SAP Event Mesh

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content packages **Automatic Overtime Split**.

Configure SAP S/4HANA to push Service Order and Service Confirmation Events to SAP Event Mesh

SAP Event Mesh can receive events from SAP S/4HANA (on-premise/cloud). Use the following blogs to perform the necessary configuration.

SAP S/4HANA on-premise

<https://blogs.sap.com/2019/09/16/sap-enterprise-messaging-for-s4hana-on-premises/>

SAP S/4HANA cloud

<https://blogs.sap.com/2020/08/19/sap-s-4hana-cloud-enterprise-event-enablement-whats-new-with-cloud-2008/>

The following business events are required for the **SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split**:

1. Service Order/*
2. Service Confirmation/*

Note: At the end of this configuration, you will have the **Service Order** and **Service Confirmation** events from SAP S/4HANA (on-premise or cloud) available in the queue created using SAP Event Mesh.

Configure Event Mesh

You need to maintain 2 queues which will call the respective Integration Flows . Go to the Event Mesh Cockpit and open the message client. Create the following queues. For each queue, under 'Actions' click on 'Queue Subscriptions' and add the Subscribed Topic names

Queue 1: Assign

(Suggested) Queue Name	Subscribed Topic Name	Endpoint (Webhook URL)
sap/<messageClient>/em/ServiceConfirmation	sap/<messageClient>/em/ce/sap/s4/beh/serviceconfirmation/v1/ServiceConfirmation/*	https://<Cloud Tenant>/http/wfmServiceConfirmationOv Integration

		vertimeSplit/startMaintenanceOrderWorkflow
sap/<messageClient>/em/ServiceOrder	sap/<messageClient>/em/ce/sap/s4/beh/serviceorder/v1/ServiceOrder/*	https://<Cloud Tenant>/http/wfmServiceConfirmationOvertimeSplit/startMaintenanceOrderWorkflow

Ensure to choose right authentication type (Basic Authentication/ OAuth2ClientCredentials) and provide relevant details. Once you create the Webhook, select Actions and then Trigger Handshake.

Note: At the end of this configuration, you will have the **Service Order and Service Confirmation** request events from SAP S/4HANA (on-premise or cloud) available in the queue created using SAP Event Mesh.

Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the **Service Order and Service Confirmation** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP S/4HANA. The following integration models are available in this package.

- Start Service Confirmation Overtime Split Workflow

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 Automatic Overtime Split**”.
- Click on the package “**SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split**”.
- 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) To start the approval workflows in SAP Build Process Automation or SAP Workflow Management ([help documentation to determine the service configuration parameters](#)). Make sure that the 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 HTTP adapter configuration.

HTTP Adapter Configuration

- Open the integration model **Start Service Confirmation Overtime Split Workflow**
- Click **Configure** button, choose the appropriate receivers (workflow, process visibility or SAP S/4HANA) and set their respective API endpoint and credential names.
- Save and Deploy the integration model.