

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Setup Guide

Automatic Overtime Split with SAP Build Process Automation

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This document provides information about setting up the SAP Business Technology Platform account to consume the package **Automatic Overtime Split**. The main audience of this document are technical IT/system administrators.

Some key features of the workflow content package are:

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- The diagram illustrates the SAP BTP Subaccount Multi-Cloud architecture. It shows the integration of various SAP services and external systems. Key components include:
- SAP BTP Subaccount Multi-Cloud:** The central environment containing:
 - SAP Build Process Automation:** A dashed box containing Decision, Workflow, and Visibility Scenario components.
 - SAP Task Center:** Connected to the SAP Build Process Automation components.
 - SAP Build Work Zone:** Connected to the SAP Task Center.
 - Integration Suite:** Connected to the SAP Build Process Automation components.
 - Destination:** Connected to the Integration Suite.
 - Connectivity Service:** Connected to the Destination.
 - End User:** Interacts with the system via **Application Clients (Mobile or Desktop)**.
 - 3rd party identity provider / Identity management:** Provides authentication to the **SAP Cloud Identity Service**.
 - SAP Cloud Identity Service:** Manages user identities and authenticates users within the SAP BTP environment.
 - External Systems:** Connected via the **Connectivity Service** and **Integration Suite** to **SAP On-Premise Solutions** and **SAP S/4HANA** through a **Cloud Connector**.

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The workflow content package **Automatic Overtime Split** is intended to be used for SAP S/4HANA and SAP S/4HANA Cloud and requires the following services in SAP Business Technology Platform.

- 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

The **Automatic Overtime Split** content package requires SAP Build Process Automation. Based on which service you plan to use, follow the appropriate section to configure either SAP Build Process Automation.

SAP S/4HANA

Configure APIs in SAP S/4HANA

Following communication scenarios are needed to be configured in SAP S/4HANA or SAP S/4HANA Cloud to use the content package.

- **SAP_COM_0350 – Service Order (A2X)**
- **SAP_COM_0352 – Service Confirmation (A2X)**
- **SAP_COM_0560 – Responsibility Management Teams**

Inbound Services consumed:

- /sap/opu/odata/sap/API_SERVICE_ORDER_SRV
- /sap/opu/odata/sap/API_SERVICE_CONFIRMATION_SRV
- /sap/opu/odata4/sap/api_respymgmt_team_srv/srvd_a2x/sap/api_respym_team_srv/0001

Follow the documentation on how to [Create Communication Arrangement](#) for Communication scenarios.

Configure Cloud Connector

For SAP S/4HANA on-premises landscape, configure cloud connector to enable secure tunnel to SAP Business Technology Platform tenant. Refer the help documentation to [configure Cloud Connector](#).

SAP Business Technology Platform Cockpit

Configure SAP Build Process Automation

Follow the setup and configuration section of SAP Build Process Automation:

1. [Subscribe to SAP Build Process Automation \(Standard Plan\)](#)
2. [Configure Destinations for Live Process Projects](#)
 - Import Package Destination
 - Decisions Destination to support start and step conditions
3. [Configure SAP Work Zone](#) to access MyInbox and Start Form

Configure Process Automation Destination

A destination is required in the SAP Business Technology Platform subaccount where SAP Build Process Automation is subscribed.

- Create a destination with the name “sap_process_automation_service” with the following configuration if it doesn’t exist already.

Please refer to [create a HTTP destination](#) OAuth 2.0 Authentication (client credentials).

Name	sap_process_automation_service
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentials
URL	<" endpoints"."api">
Client ID	<"uaa":"clientis">
Client Secret	<"uaa":"clientsecret">
Token Service URL	<"uaa":"url"/>/oauth/token

Configure OAuth2ClientCredentials SAP Build Process Automation Destination (Service Instance)

Ignore this step if there is already a destination using SAP Build Process Automation service instance created.

Create new destination to call SAP Build Process Automation APIs using a service route from SAP UI5 component. For more details, follow the [help document](#):

Destination Configuration

Blank Template Service Instance

Service Instance: * sap_processautomation

Name: * process_atuomation_service_destination

Description: Call SAP Process Automation APIs using a service route

Additional Properties

New Property

Next Cancel

Destination Configuration

Name:
Type:
Description:
URL:
Proxy Type:
Authentication:
Use mTLS for token retrieval: ☐
Client ID:
Client Secret:
Token Service URL Type:
Token Service URL:
Token Service User:
Token Service Password:

Additional Properties

endpoints	{ "api": "https://..." }	
html5-apps-...	{ "app_host_id": "...", ... }	
saasregistry...	true	
sap.cloud.s...	com.sap.spa.process...	
sap.cloud.s...	spa	

☒ Use default JDK truststore

Configure SAP Integration Suite Destination

To call an integration flow, a destination is required in the SAP Business Technology Platform tenant where the SAP Build Process Automation is subscribed. Create a destination called CPI with either Basic Authentication or OAuth2ClientCredentials.

Destination with Basic Authentication

Name	CPI
Type	HTTP
Proxy Type	Internet
Authentication	Basic Authentication
URL	<runtime.url>
Username	<user>
Password	<password>

Destination with OAuth2ClientCredentials Authentication

Name	CPI
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentials
URL	<runtime.url>
Client Id	<client ID>
Client Secret	<client secret>
Token Service URL	<oauth.url.for.clientCredentials>

Additional Properties to Destination

Additionally, add the following properties in the destination for SAP Integration Suite.

WebIDEEEnabled	true
WebIDESystem	CPI
WebIDEUsage	odata_gen

Configure SAP S/4HANA Destination

Configure a 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 base URL of SAP S/4HANA cloud> <i>sample: https://{host}: {port}</i>
Additional Properties	sap-client: <client number>

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

[Configure SAP Event Mesh](#)

The following business events are required for the Sales Order packages:

1. /sap.s4.beh.serviceorder.v1.ServiceOrder.Changed.v1
2. /sap.s4.beh.serviceorder.v1.ServiceOrder.Created.v1
3. /sap.s4.beh.serviceconfirmation.v1.ServiceConfirmation.Changed.v1
4. /sap.s4.beh.serviceconfirmation.v1.ServiceConfirmation.Created.v1

Setup Content Package

Import, Configure and deploy Integration Content

This package utilizes SAP Integration Suite to provide integration between SAP ERP (or SAP S/4HANA) and SAP Build Process Automation. Further details can be found in dedicated integration guide of the integration package [“SAP Build Process Automation Integration with SAP S/4HANA for Automatic Overtime Split”](#).

Import and deploy SAP UI5 Application content

Following steps can be followed to utilize the SAP UI5 application provided with this process package:

- Download the SAPUI5 application file from the imported store project, it will available under the source section in the package.
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- Ensure that you have already created the SAP Build Process Automation instance and the same instance details need to be updated in the mta.yaml file available in the SAP UI5 application project.



- Build SAPUI5 project using mta.yaml file & the generated project (generated mtar file will be available in the mta_archieves folder) file can be deployed.

Note:

Destination names need to be updated in xs-app.json that was previous configured in “Configure SAP S/4HANA Destination” section.

Import SAP Build Process Automation content

In the [SAP Build Process Automation Store](#), search for live process package Automatic Overtime Split and import the same. Please go to Configuration Guide for further process.