

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Build Process Automation Integration with SAP S/4HANA for Project Creation

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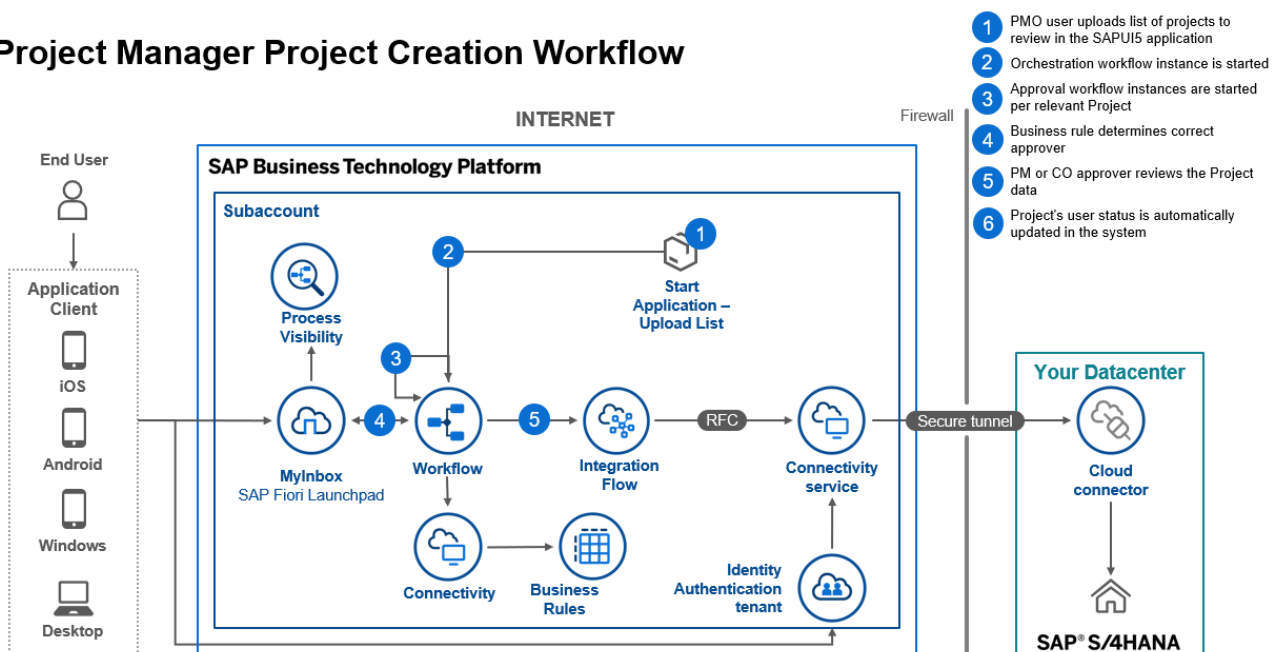
Overview

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 Project Creation**. The primary audience of this document is integration administrators and developers. This integration package contains integration flows to enable the workflow module to integrate with SAP S/4HANA.

Salient features of this content package are:

- Approve Project in SAP S/4HANA
- Get project details from SAP S/4HANA
- Get and build SAP S/4HANA transaction code

Project Manager Project Creation Workflow



Required SAP Business Technology Platform Services

The live process content packages **Project Manager Project Creation** is intended to be used for SAP S/4HANA 1709 onwards or SAP S/4HANA cloud 2020 onwards and requires the following services in SAP BTP:

- SAP Build Process Automation or SAP Workflow Management.
- Cloud integration capability within SAP Integration Suite.

Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content package **Project Manager Project Creation**.

Configure SAP S/4HANA Destination

Configure a RFC destination to connect with SAP S/4HANA on-premise, refer to documentation [here](#) for the same.

Name	S4HANA_RFC
Type	RFC
Proxy Type	On premise
User	<COMMUNICATION_USER>
Password	<COMMUNICATION_PASSWORD>
Authentication	BasicAuthentication
URL	<URL of SAP S/4HANA System>
Additional Properties	sap-client: <client number>

Configure Cloud Connector

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP BTP tenant. Please refer the help documentation to [configure Cloud Connector](#). Expose the following BAPI/RFC in the SAP Cloud Connector:

1. BAPI_BUS2001_GETDATA.
2. ZZBAPI_BUS2001_SET_STATUS.

Import, configure and deploy cloud integration content

This live process content requires the cloud integration to process the **Project** in SAP S/4HANA. The integration content package **SAP Build Process Automation Integration with SAP S/4HANA for Project Creation** 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.

The screenshot displays the SAP Cloud Integration interface for an integration package. The header shows 'SAP Cloud Integration' and 'Integration Advisor'. The main content area includes a description: 'This integration package contains integration flows approve and update projects in SAP S/4HANA from a live process content.' It also lists 'Vendor: SAP', 'Mode: Editable', and 'Version: 1.1.0'. Below this, there are tabs for 'Overview', 'Artifacts (3)', 'Documents (2)', 'Tags', and 'Comments'. The 'Artifacts (3)' tab is active, showing a table of integration flows.

Name	Type	Version	Actions
Approve SAP S4HANA Project Set the user status of the project to approve from SAP Build Process Automation or SAP Workflow Management. Unmodified	Integration Flow	1.1.0	[Copy] >
Retrieve Project Details from SAP Project Systems Retrieve additional project details from SAP S/4HANA Project Systems Unmodified	Integration Flow	1.1.0	[Copy] >
Retrieve Project URL Get and build URL for SAP S/4HANA Project Builder Unmodified	Integration Flow	1.1.0	[Copy] >

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 Project Creation".
- Click on the package SAP Build Process Automation Integration with SAP S/4HANA for Project Creation.
- 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.

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.

RFC Adapter Configuration

- Open the integration model **Approve SAP S4HANA Project**.
- Click **Configure** button, choose the receiver SAP S/4HANA and set the respective credential names.
- Set the destination name to the name of the destination you created earlier

The screenshot shows the configuration interface for the 'Approve SAP S4HANA Project' integration model. The 'Receiver' tab is selected. Under the 'Connection' section, the following fields are visible:

- Receiver: SAP_S4HANA (dropdown menu)
- Adapter Type: RFC (dropdown menu)
- Destination: S4HANA_RFC (text input field)

- In the *More* tab, update the BAPI name that is created to set the project status.

The screenshot shows the configuration interface for the 'Approve SAP S4HANA Project' integration model in the 'More' tab. The following fields are visible:

- Type: All Parameters (dropdown menu)
- Custom BAPI: ZZBAPI_BUS2001_SET_STATUS (text input field)
- minute: 30 (text input field)
- TransactionHandling: Required (text input field)

- Save and deploy the integration model.
- Similarly, configure the **Retrieve Project Details from SAP Project Systems** and **Retrieve Project URL** integration model and deploy them.