

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

# Integration Guide

SAP Build Process Automation Integration with SAP  
S/4HANA for Stock Clearance

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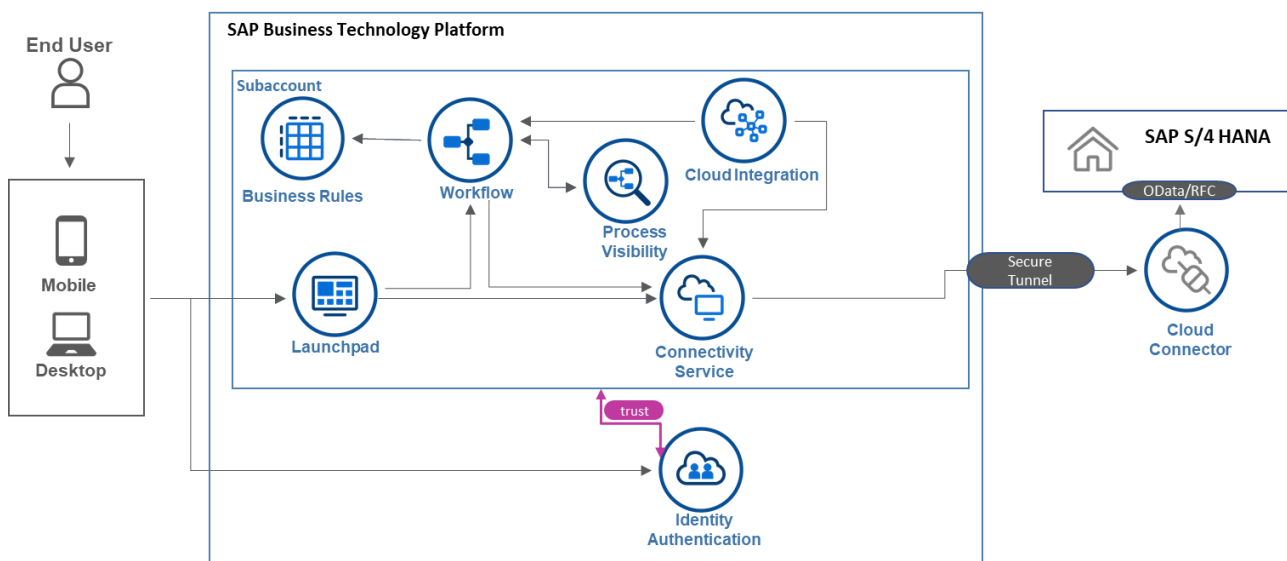
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# Overview

This document provides information about configuration steps to setup the integration content to consume the live process content packages **Stock Clearance**. The primary audience of this document is integration administrators and developers. This package enables SAP Build Process Automation or SAP Workflow management to consume APIs related to Material Document and Material Stock for data reading and creation.

Salient features of this content package are:

- Create Material Document in SAP S/4HANA
- Get Material Stock Data from SAP S/4HANA



# Required SAP Business Technology Platform Services

The live process content packages **Stock Clearance** is intended to be used for SAP S/4HANA (on-premise and cloud) and requires the following services in SAP BTP:

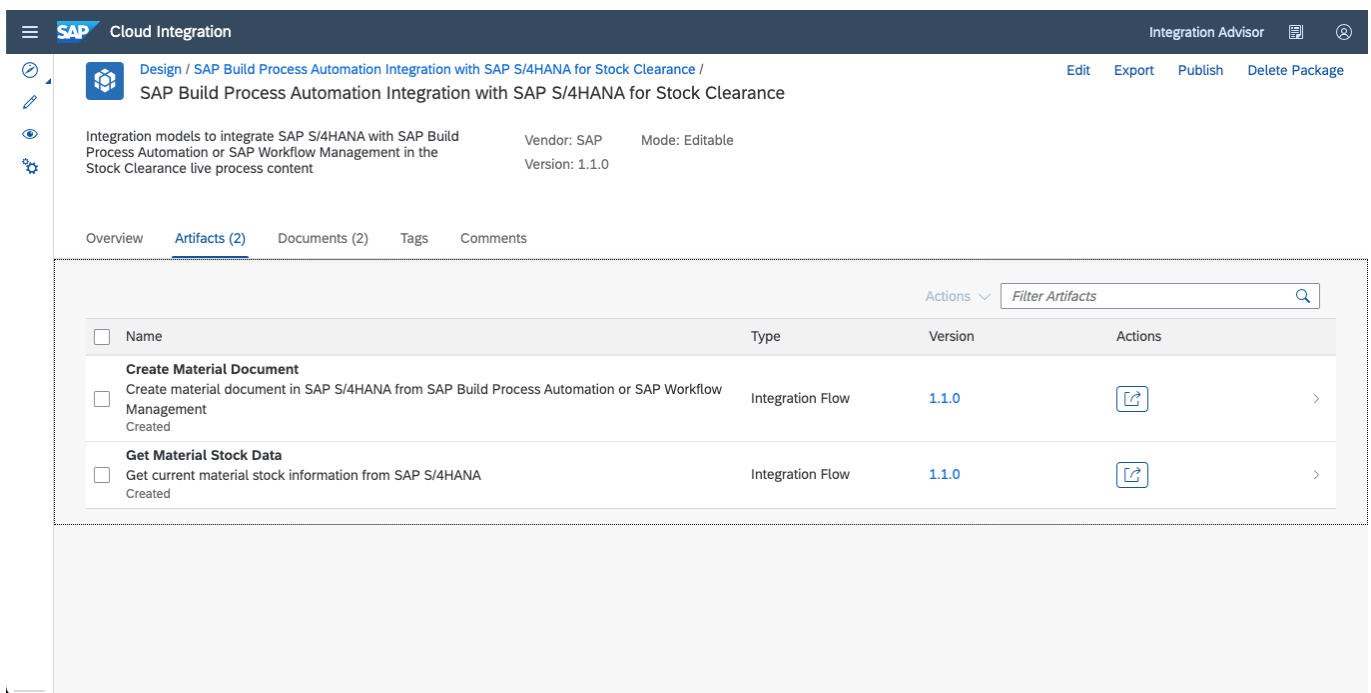
- SAP Build Process Automation or SAP Workflow Management.
- Cloud Integration capability within SAP Integration Suite.

# Setup and Configuration

This section will explain how to setup the integration content that is required for the live process content packages **Stock Clearance**

## Import, configure and deploy cloud integration content

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



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 Stock Clearance”
- Click on the package **SAP Build Process Automation Integration with SAP S/4HANA for Stock Clearance**.
- 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.
  - **S4HANA** – (User Credentials) To call the Material Document APIs in SAP S/4HANA. Make sure that the user has the relevant communication scenarios as mentioned in section Configure SAP S/4HANA Communication User.

The screenshot shows a dialog box titled "Edit User Credentials". It contains several input fields:
 

- Name:** S4HANA
- Description:** To communicate with S4HANA
- Type:** User Credentials (selected from a dropdown menu)
- User:** [blacked out]
- Password:** [empty]
- Repeat Password:** [empty]

 At the bottom right of the dialog, there are two buttons: "Deploy" and "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 *Create Material Document*
- Click **Configure** button, choose the appropriate receiver, and set their respective API endpoint, credential names & sap-client.
- Change the resource path only if you have implemented a custom OData service for this purpose.

## Configure "Create Material Document"

Sender Receiver

Receiver: S4HANA

Adapter Type: HCIOData

**Connection**

Address: {{S4HANA url}}/sap/opu/odata/sap/API\_MATERIAL\_DOCUMENT\_SRV

S4HANA url: https://<S4HANAHost>.s4hana.ondemand.com

Proxy Type: Internet

Authentication: Basic

Credential Name: s4hana.securitymaterial

CSRF Protected:

**Processing**

Resource Path: A\_MaterialDocumentHeader

Custom Query Options: sap-client={{client number}}

client number: 200

- Save and Deploy the integration model.
- Similarly, configure the *Get Material Stock Data* integration model and deploy them.