

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

SAP Build Process Automation Integration with SAP
ERP for Purchase Order

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Overview

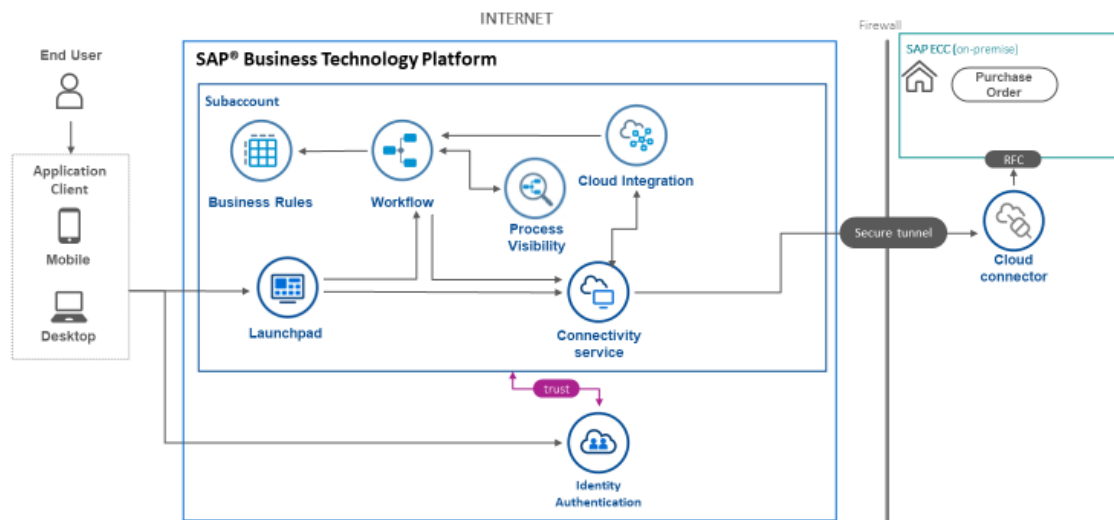
This document provides information about configuration steps to consume the workflow package **Manage Purchase Order Approval and Creation**. The main audience of this document are Procurement experts, Developers and Product Owners.

The **Manage Purchase Order Approval and Creation** content package enables SAP ERP (ECC) customers to automate Purchase Order approval and creation process using SAP Build Process Automation or SAP Workflow Management without additional development in SAP ERP (ECC)

Salient features of this content package are:

- Plug and Play with SAP ERP (ECC) without additional development.
- Pre-configured process steps to create net new variants.
- New Process variants can be configured in a low-code, no-code approach.
- Add additional approvers before the Purchase orders are created in SAP ERP (ECC).
- Agent/approver determination using SAP Business Rules service or external service.
- Flexibility in defining approval process based on business conditions.
- Pre-built Integration content to call SAP ERP BAPIs from SAP Build Process Automation or SAP Workflow Management.
- Out-of-the-box visibility into key process performance indicators.

SAP ECC– Manage Purchase Order Approvals and Creation



Required SAP Business Technology Platform Services

The workflow content package **Manage Purchase Order Approval and Creation** is intended to be used for SAP ERP Central Component (ECC) and requires the following services in SAP Business Technology Platform.

- SAP Build Process Automation or SAP Workflow Management to orchestrate the process.
- Cloud Integration capability within SAP Integration Suite to consume the RFC, BAPI from SAP ERP (ECC)
- SAP Connectivity service (cloud connector) to establish access to SAP ERP on-premise.
- SAP Launchpad service to access the apps that are involved in the process.
- SAP Cloud Identity Services - Identity Authentication (optional).
- SAP Business Application Studio to modify/deploy the SAPUI5 applications (optional).
- SAP BTP, Cloud Foundry runtime.

Setup and Configuration

This section will explain how to setup the integration content for the live process content package **Manage Purchase Order Approval and Creation**

Configure SAP ERP Destination

An RFC destination is required in the account where Cloud Integration capability within SAP Integration Suite is subscribed. Configure destination, Type as RFC, Proxy Type as OnPremise. Please refer how to [create a RFC destination](#). Add Additional Properties jco.client.ashost, jco.client.client, jco.client.sysnr

The destination name need not be 'ECC' as in the screenshot below. If a different name is used, then the same needs to be configured in the SAP Integration flows.

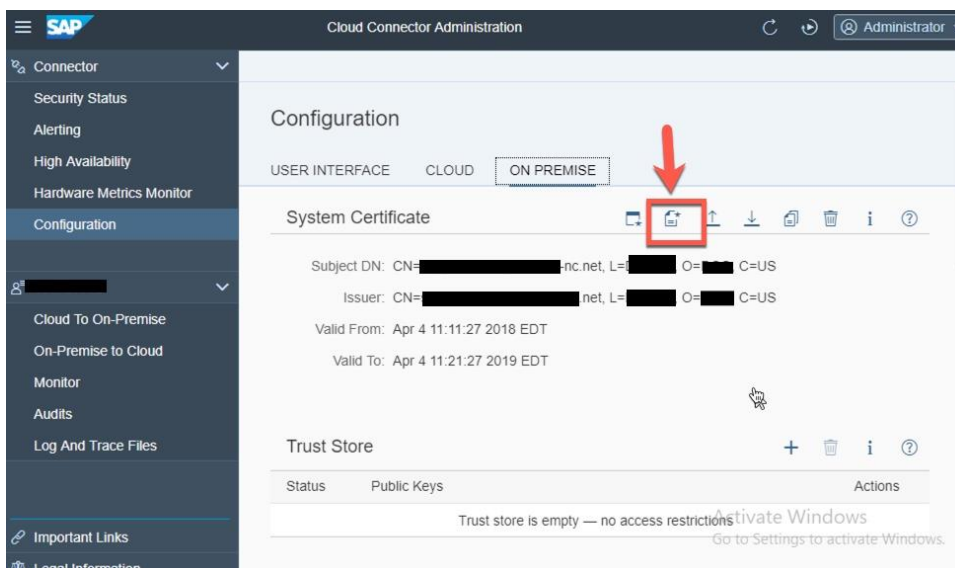
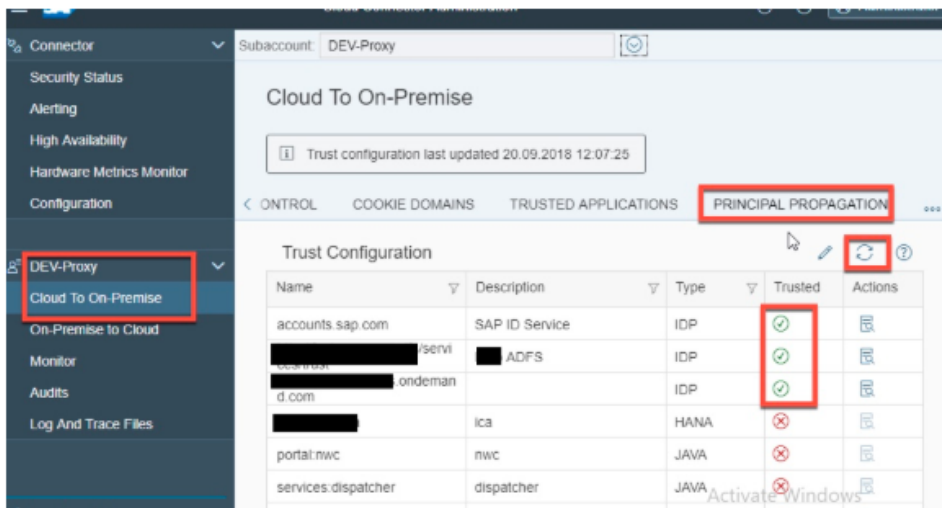
Name	ECC or <ANYNAME> Note: You can name it as you wish but maintain the destination name in the integration flow configuration.
Type	RFC
Proxy Type	OnPremise
User	<ECC USER>
Password	<ECC PASSWORD>
Repository User	
Repository Password	
Location ID	<optional>
Additional Property	Name: jco.client.ashost Value: <abapServerHost> Name: jco.client.client Value: <client id> Name: jco.client.sysnr Value: <systemNumber>

Configure Cloud Connector

Configure your SAP BTP tenant and SAP ECC system in Cloud Connector to enable secure tunnel for RFC calls. Please refer the help documentation to [configure Cloud Connector](#). Expose the Following BAPI/RFC in the SAP Cloud Connector:

- BAPI_PR_GETDETAIL
- BAPI_PO_CREATE1
- RFC_READ_TABLE – This RFC is used in the integration flow 'Get Company Code' to fetch the Valuation Area data from T001W table and get the Company Code data from table T001K. This RFC is also used in the integration flow 'Get Payment and Inco Terms from SAP ERP' to fetch the Payment Terms and Inco Terms from the table LFM1. The specific tables and fields have been fixed in the integration flows so that only required data are exposed to the cloud.
- BAPI_TRANSACTION_ROLLBACK
- BAPI_TRANSACTION_COMMIT

For implementing principal propagation from the integration flow to the SAP ECC, synchronize the IDP in SAP cloud connector, create the destination of type IDP and import the self-signed CA certificates.



In SAP ECC, follow these steps to enable principal propagation

1. Import Cloud Connector (SCC) System certificate in STRUSTSS02 transaction under SSL Server Standard. This established the trust between the backend and SCC.
2. Maintain subject, issuer, cert rule parameter details in default profile – RZ10 transaction.
3. Create the rule-based mapping using sample X.509 certificate – CERTRULE transaction.
4. Restart ICM.

Import, Configure and deploy Integration Content

This live process content package requires Cloud Integration capability within SAP Integration Suite to create purchase orders and to read purchase requisition documents. An integration content package **SAP Build Process Automation Integration with SAP ERP for Purchase Order** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP ECC. All integration models use the RFC Adapter to call the required RFC/BAPI in SAP ECC. The following Integration models are available in this package.

The screenshot displays the SAP Cloud Integration interface. At the top, the header shows 'SAP Cloud Integration' and 'Integration Advisor'. The main content area is titled 'SAP Build Process Automation Integration with SAP ERP for Purchase Order' and includes a description: 'This package contains integration flows to create Purchase Orders in SAP ERP from the live process content Manage Purchase Order Approval and Creation.' It also lists 'Vendor: SAP' and 'Mode: Editable' with 'Version: 1.1.0'. Below this, there are tabs for 'Overview', 'Artifacts (4)', 'Documents (2)', 'Tags', and 'Comments'. The 'Artifacts (4)' tab is active, showing a table of integration flows.

Name	Type	Version	Actions
Create Purchase Order in SAP ERP Purchase Order gets created in SAP ERP Unmodified	Integration Flow	1.1.0	[Icon] >
Get Company Code from SAP ERP Query to get Company Code from SAP ERP by providing the value of Plant as input Created	Integration Flow	1.1.0	[Icon] >
Get Payment and International commercial term from SAP ERP Query to get Payment Terms and International commercial term (Inco Terms) from SAP ERP by providing the value of Vendor as input Created	Integration Flow	1.1.0	[Icon] >
Get Purchase Requisition from SAP ERP Read Purchase Requisition data from SAP ERP Unmodified	Integration Flow	1.1.0	[Icon] >

Import the Content package to your SAP Integration Suite tenant. To be able to import and deploy integration flows, you need the AuthGroup.IntegrationDeveloper role assigned in your tenant

Import Prepackaged Integration content in SAP Integration Suite

- Access your SAP Integration Suite tenant management node (<https://<cpitenant>.hana.ondemand.com/itspaces>). Please refer [help documentation](#) on how to get tenant management node address.

- View all pre-packaged integration flow under *Discover->Integration* (<https://<cpitenant>.hana.ondemand.com/itspaces/shell/discover>).
- Search content package “**SAP Build Process Automation Integration with SAP ERP for Purchase Order**”
- Click to open on the package SAP Build Process Automation Integration with SAP ERP for Purchase Order.
- Click *Copy* to import the integration content package to your workspace.
- Navigate to *Design* to open the imported content package.
- Open all Integration models, select *Configure*, set configured value as RFC Destination created in the section **Configure SAP ERP Destination** of this document.
- Deploy the integration model

These Integration models are used from the SAP Build Process Automation Live Process content package **Manage Purchase Order Approval and Creation**.