

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

# Integration Guide

SAP ERP Integration with SAP Build Process  
Automation for Info Record

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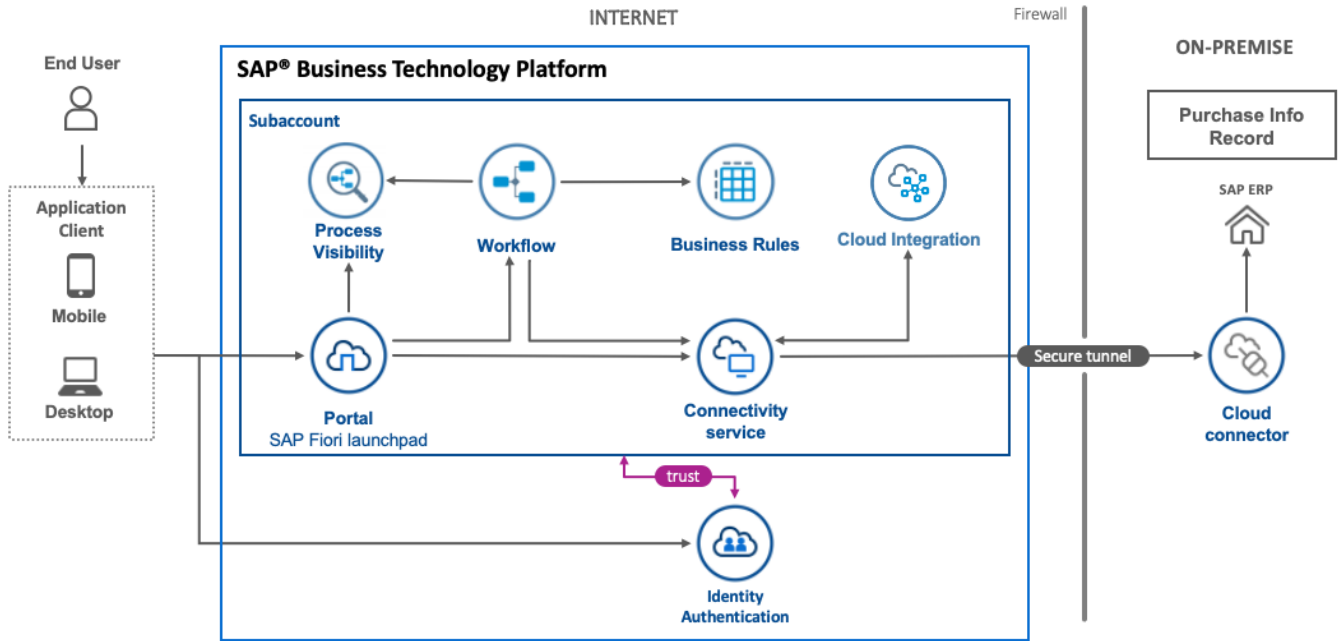
# Overview

This document provides information about configuration steps to setup the integration content to consume the Live Process Package **Maintain Purchase Info Record**. The main audience of this document is integration administrators and developers.

The Manage Purchase Info Record application in SAP Business Technology Platform helps to create a new Purchase Info Record, change and display an existing Purchase Info Record. To create and change purchase info record, a multi-level approval process can be configured before updating in SAP ERP. The application provides flexibility in choosing process variants depending on attributes like Purchase Organization, Plant, Material Group, Price variance etc. When a Purchase Info Record is created or changed in the Fiori application, a pre-configured process Variants are triggered in SAP Build Process Automation or SAP Workflow Management. Salient features of this content package are:

- Plug and Play with SAP ERP 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 info record is update in SAP ERP.
- Agent/approver determination using Business Rules.
- Flexibility in determining process variants based on business conditions.
- Validations using SAP ERP BAPI and additional business validation of purchase info record using business rules.
- Pre-built integration content to call SAP ERP RFC from SAP Build Process Automation SAP Workflow Management.
- Out-of-the-box visibility into key process performance indicators.

# SAP ERP – Maintain Purchase Info Record



# Required SAP Business Technology Platform Services

The live process package Maintain Purchase Info Record is intended to be used for SAP ERP 6.0 and requires the following services in SAP BTP.

- SAP Build Process Automation or SAP Workflow Management to orchestrate the process.
- Cloud Integration capability within SAP Integration Suite.
- SAP Cloud Connector to establish access to on-premise resources.
- SAP Cloud Portal Service or SAP Launchpad Service to access the apps that are involved in the process.
- SAP Cloud Identity Services - Identity Authentication (optional).
- SAP Web IDE or SAP Business Application Studio to modify/deploy the SAPUI5 applications.
- SAP HTML5 Application Repository Service for SAP BTP.

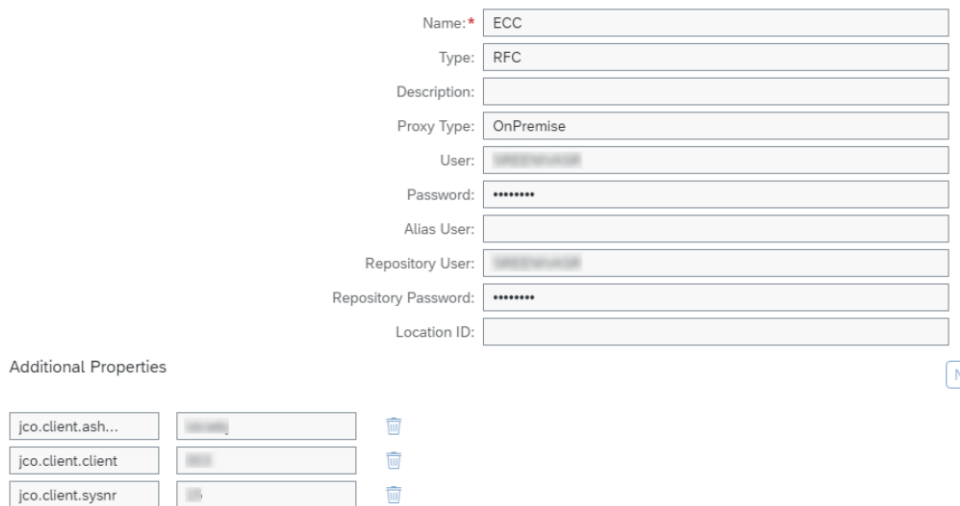
# Setup and Configuration

This section will explain how to setup the integration content for the live process content package **Maintain Purchase Info Record**.

## Configure SAP ERP Destination

An RFC destination is required in the account where Cloud Integration capability within SAP Integration Suite is subscribed. Configure the destination with Type as RFC, Proxy Type as OnPremise. If needed, please refer how to [create a RFC destination](#). Add Additional Properties jco.client.ashost, jco.client.client, jco.client.sysnr and provide the respective values of your SAP ERP host.

**Note:** The destination name need not be 'ECC' as in the screenshot below. If a different name is used, then the same needs to be used in the integration flows.



The screenshot shows a configuration form for an RFC destination. The fields are as follows:

- Name: \* ECC
- Type: RFC
- Description: (empty)
- Proxy Type: OnPremise
- User: (masked)
- Password: (masked with asterisks)
- Alias User: (empty)
- Repository User: (masked)
- Repository Password: (masked with asterisks)
- Location ID: (empty)

Below the main form is a section titled "Additional Properties" containing three rows of key-value pairs, each with a delete icon:

- jco.client.ash... (value masked)
- jco.client.client (value masked)
- jco.client.sysnr (value masked)

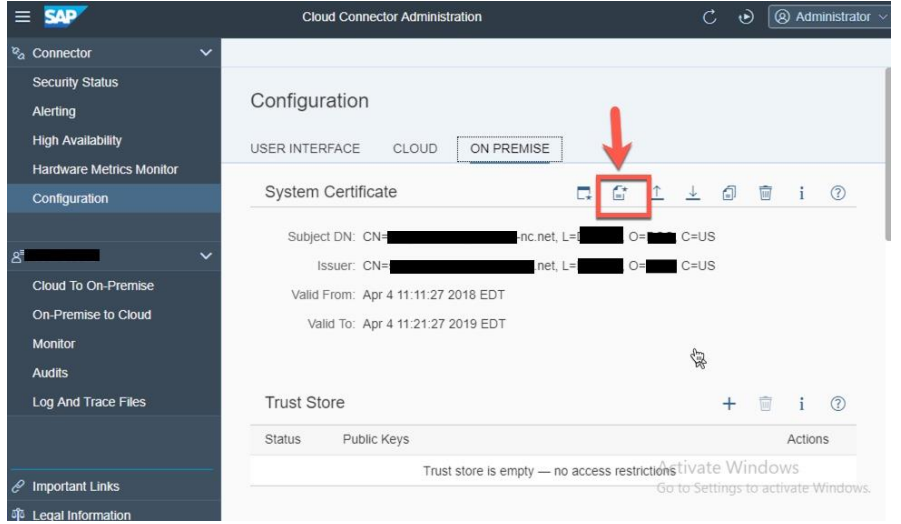
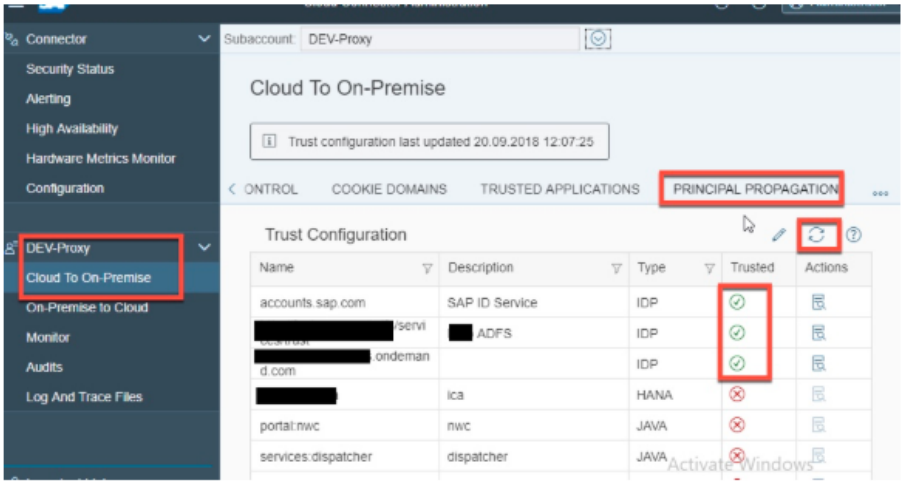
## Configure SAP Cloud Connector

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

- CKBA\_PURCHORG\_GET\_LIST\_RFC
- SMB\_UIE\_GET\_PURCHASING\_GROUP
- BAPI\_MATERIAL\_GETLIST
- BAPI\_MATERIALGROUP\_GET\_LIST
- MMPUR\_UI\_GET\_SUPPLIERS
- BBP\_PLANTS\_GET
- ME\_INFORECORD\_MAINTAIN

- BAPI\_INFORECORD\_GETLIST
- RFC\_READ\_TABLE – This RFC is used in the integration flow 'Read Purchase Info Record Conditions from SAP ERP' to fetch the condition data from A017 and KONP tables and get condition record number, Price, Currency, condition validity. The specific tables and fields have been fixed in the integration flows so that only required data are exposed to the cloud.
- BAPI\_MATERIAL\_GET\_ALL
- BAPI\_TRANSACTION\_ROLLBACK
- BAPI\_TRANSACTION\_COMMIT

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

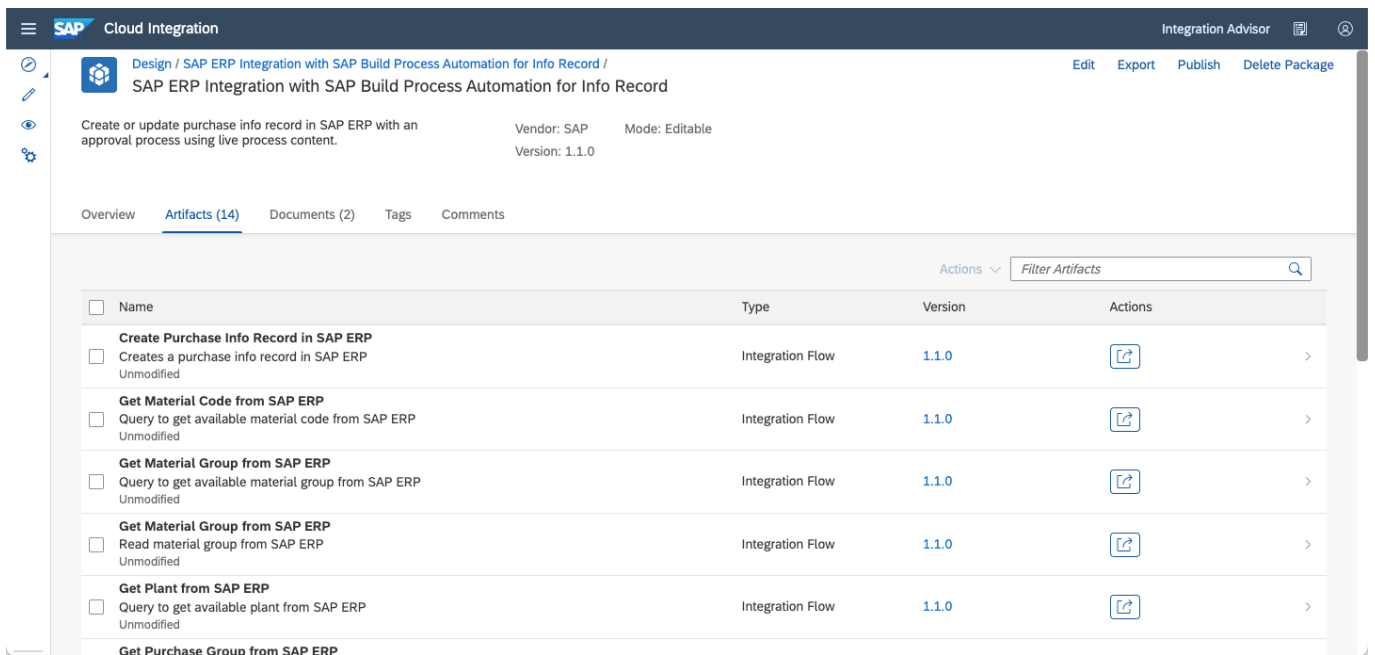


In SAP ERP, follow these steps to enable principal propagation

1. Import Cloud Connector (SCC) System certificate in STRUSTSSO2 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, modify and release purchase info record. An integration content package **SAP ERP Integration with SAP Build Process Automation for Info Record** is available in SAP API Business hub to integrate SAP Build Process Automation or SAP Workflow Management with SAP ERP. All integration models use the RFC Adapter to call the required RFC/BAPI in SAP ERP. The following Integration models are available in this package.



Import the content package to your SAP Integration Suite 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 using SAP Integration Suite

- Access your SAP Integration Suite tenant management node (<https://<integrationtenant>.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://<integrationtenant>.hana.ondemand.com/itspaces/shell/discover>).
- Search content package “SAP ERP Integration with SAP Build Process Automation for Info Record”
- Click to open on the package SAP ERP Integration with SAP Build Process Automation SAP Workflow Management for Info Record.
- Click *Copy* to import the integration content package to your workspace.
- Navigate to *Design* section to open the imported content package.



- For every integration model, configure value for the externalized parameters including Destination (the RFC Destination created in the section **Configure SAP ERP Destination** of this document).

Configure "Create Purchase Info Record in SAP ERP"

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**Receiver**

Receiver: SAPERP

Adapter Type: RFC

**Connection**

Destination: ERP\_Destination

Send Confirm Transaction:

Create New Connection:

- Deploy the integration model

These Integration models are used from the SAP Build Process Automation or SAP Workflow Management live process content package **Maintain Purchase Info Record**.