

SAP CLOUD PLATFORM | EXTERNAL

# Configuration Guide

SAP ERP Integration with SAP Cloud Platform  
Workflow Management - Purchasing

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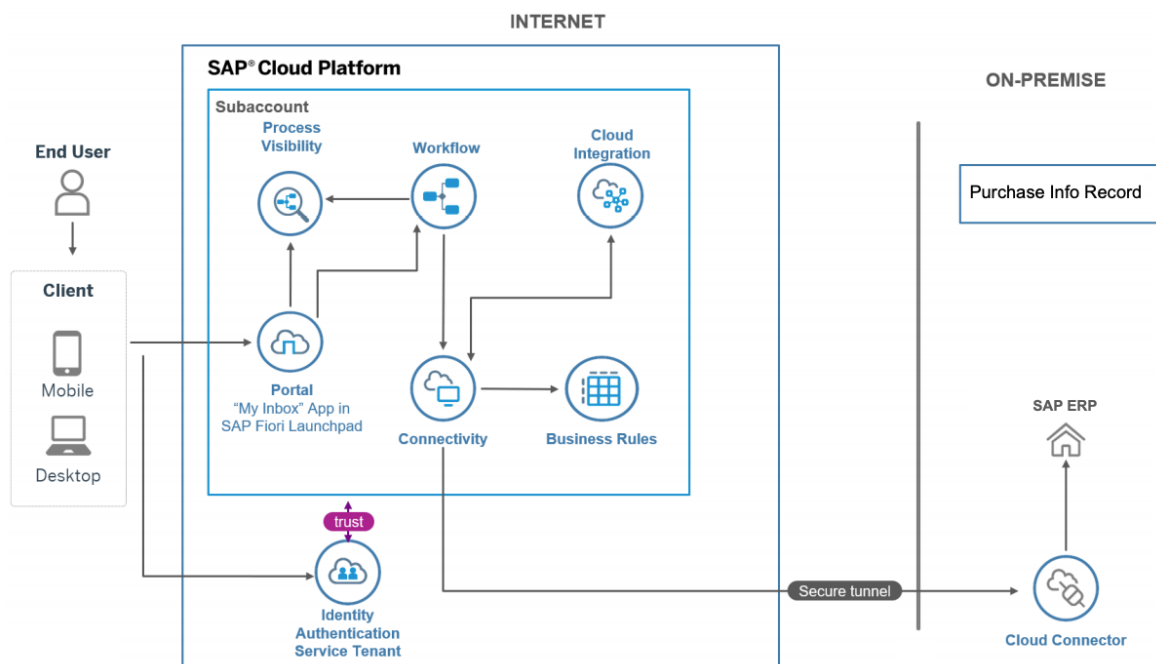
# Overview

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 Cloud 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 Cloud Platform 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 Cloud Platform Workflow Management.
- Out-of-the-box visibility into key process performance indicators.

## SAP ERP - Maintain Purchase Info Record



# Required SAP Cloud 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 Cloud Platform.

- SAP Cloud Platform Workflow Management to orchestrate the process.
- SAP Cloud Platform Integration (in SAP Cloud Platform Neo environment) to consume the RFC and BAPI in SAP ERP.
- SAP Cloud Connector to establish access to on-premise resources.
- SAP Cloud Platform Portal to access the apps that are involved in the process.
- SAP Cloud Platform Identity Authentication Service (optional).
- SAP Web IDE or SAP Business Application Studio to modify/deploy the SAPUI5 applications.

# 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 SAP Cloud Platform Integration (Neo environment) 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 Cloud Platform 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 an 'Additional Properties' section with three rows:

Property Name	Value	Action
jco.client.ash...	(masked)	Remove
jco.client.client	(masked)	Remove
jco.client.sysnr	(masked)	Remove

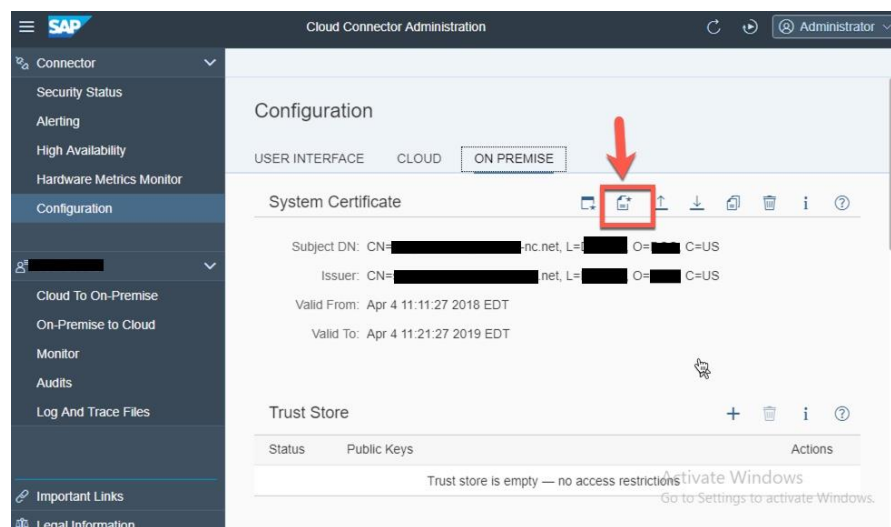
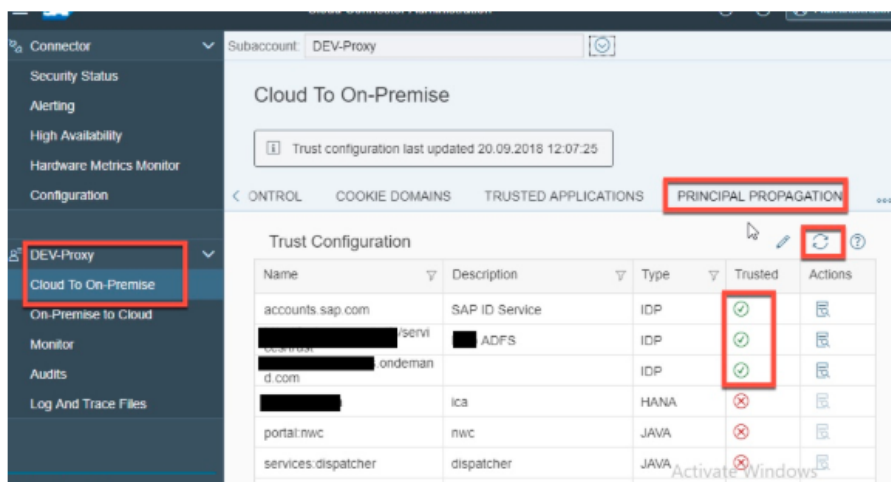
## Configure SAP Cloud Connector

Configure your SAP Cloud Platform Integration account 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 require SAP Cloud Platform Integration in Neo Platform to create, modify and release purchase info record line items. An integration content package SAP ERP Integration with SAP Cloud Platform Workflow Management - Purchasing is available in SAP API Business hub to integrate SAP Cloud Platform Workflow Management with SAP ERP. The following Integration models are available in this package. All integration models are using RFC Adapter to call the required APIs in SAP ERP.

The screenshot shows the SAP Cloud Platform Integration interface. At the top, there is a header with the SAP logo and 'SAP Cloud Platform Integration' on the left, and 'Integration Advisor' on the right. Below the header, there is a breadcrumb trail: 'Design / SAP ERP Integration with SAP Cloud Platform Workflow Management - Purchasing /'. To the right of the breadcrumb are buttons for 'Edit', 'Export', 'Publish', and a menu icon. Below the breadcrumb is the title 'SAP ERP Integration with SAP Cloud Platform Workflow Management - Purchasing' and a sub-title 'Management - Purchasing'. Below the title are tabs for 'Overview', 'Artifacts (14)', 'Documents (2)', 'Tags', and 'Comments'. The main content area is a table of artifacts with columns for 'Name', 'Type', 'Version', and 'Actions'. The table contains 14 rows of integration flows, each with a checkbox, a description, the type 'Integration Flow', a version number, and an 'Actions' column with a link icon and a right arrow.

<input type="checkbox"/>	Name	Type	Version	Actions
<input type="checkbox"/>	<b>Create Purchase Info Record in SAP ERP</b> Creates a purchase info record in SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Material Code from SAP ERP</b> Query to get available material code from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Material Group from SAP ERP</b> Query to get available material group from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Material Group from SAP ERP</b> Read material group from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Plant from SAP ERP</b> Query to get available plant from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Purchase Group from SAP ERP</b> Value Search help from ERP Unmodified	Integration Flow	1.0.0	>
<input type="checkbox"/>	<b>Get Purchase Info Record Conditions Validity from SAP ERP</b> Read condition validity for purchase info record from SAP ERP Modified	Integration Flow	1.0.2	>
<input type="checkbox"/>	<b>Get Purchase Information Record from SAP ERP</b> Read purchase info record data from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Get Purchase Organization from SAP ERP</b> Query to get available purchase organization from SAP ERP Modified	Integration Flow	1.0.2	>
<input type="checkbox"/>	<b>Get Vendor from SAP ERP</b> Query to get available vendor from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Read Purchase Info Record Conditions from SAP ERP</b> Read purchase info record conditions from SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Update Purchase Info Record in SAP ERP</b> Updates purchase info record in SAP ERP Modified	Integration Flow	1.0.1	>
<input type="checkbox"/>	<b>Validate Purchase Info Record Changes in SAP ERP</b> Validates the changes to existing purchase info record in SAP ERP	Integration Flow	1.0.2	>

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

## Import pre-packaged Integration content using SAP Cloud Platform Integration

- Access your SAP Cloud Platform Integration 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 ERP Integration with SAP Cloud Platform Workflow Management - Purchasing**”
- Click to open on the package SAP ERP Integration with SAP Cloud Platform Workflow Management - Purchasing.
- 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 *Externalized Parameters*, set configured value as RFC Destination created in the section **Configure SAP ERP Destination** of this document.

### Configure "Create Purchase Info Record in SAP ERP"

The screenshot shows a configuration window for an integration model. It is divided into two sections: 'Receiver' and 'Connection'. Under 'Receiver', there are two dropdown menus: 'Receiver' set to 'SAPERP' and 'Adapter Type' set to 'RFC'. Under 'Connection', there is a text input field for 'Destination' set to 'ECC' and a checked checkbox for 'Send Confirm Transaction'.

<b>Receiver</b>	
Receiver:	SAPERP
Adapter Type:	RFC
<b>Connection</b>	
Destination:	ECC
Send Confirm Transaction:	<input checked="" type="checkbox"/>

- Deploy the integration model

These Integration models are used from the SAP Cloud Platform Workflow Management live process content package **Maintain Purchase Info Record**.