

SAP CLOUD PLATFORM | EXTERNAL

Configuration Guide

SAP Workflow Management - Purchase Request
Approval and Release

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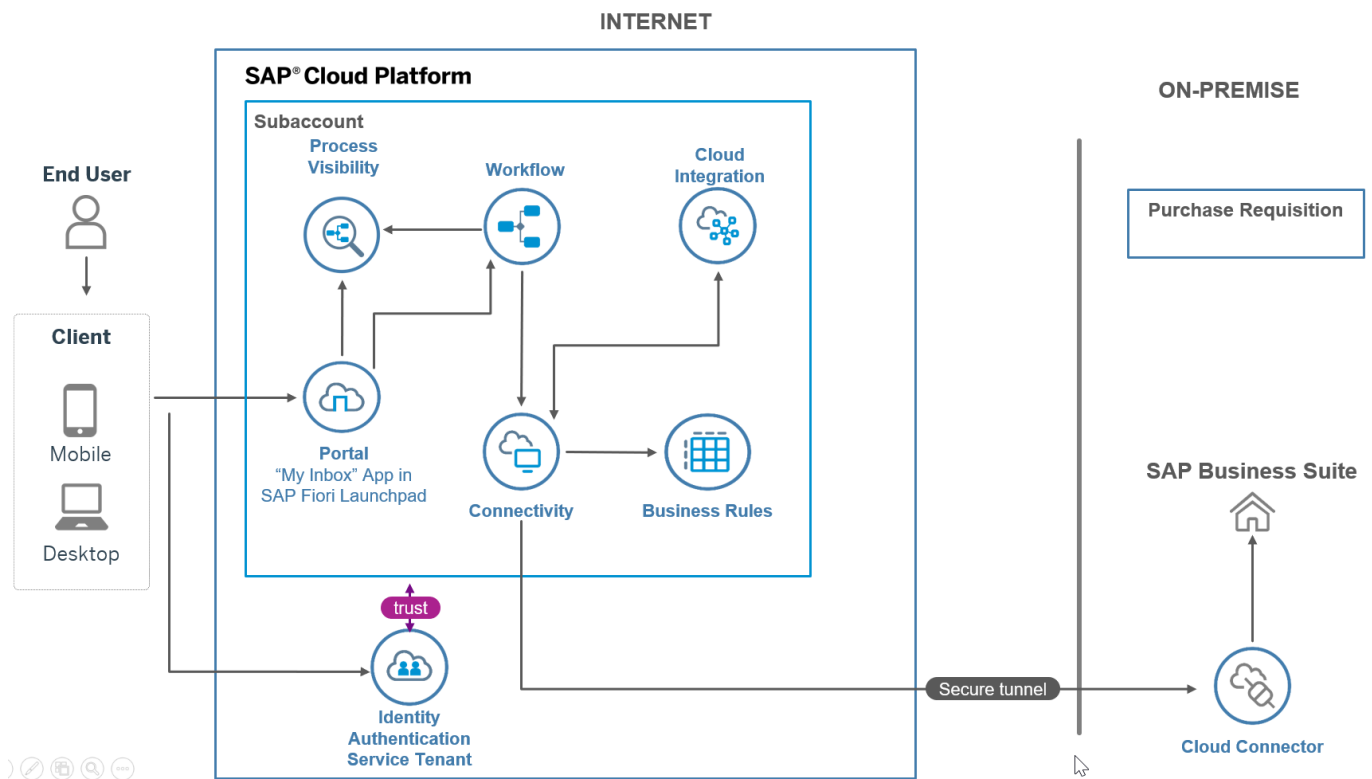
Overview

This document provides information about configuration steps to consume the Live Process Package Purchase Requisition Approval and Release. The main audience of this document are technical IT Administrators and Developers.

This content package enables SAP ERP customers to automate Purchase Request approval and release process using SAP Cloud Platform Workflow Management without additional development in SAP ERP. Salient features of this content package are

- Plug and Play with SAP ERP without additional development.
- Process steps are delivered to create net new variants.
- New Process variants can be configured in a low code no code approach.
- Agent determination using Business Rules or SAP ERP or external systems.
- Validation of Line item attributes using Business Rules.
- Process visibility and key process performance indicators out of the box.
- Business Rules to provide flexibility in determining workflow templates and approvers
- Integration content to call SAP ERP BAPIs from SAP Cloud Platform Workflow Management.

SAP ERP – Purchase Requisition Approval & Release



Purchase Requisition Approval and Release Process enable customers to automate approval and release of Line Items in a flexible and transparent way. It provides flexibility in choosing process variants depending on attributes like Request date, Price, Material Group, Document Type, Plant, Purchasing Group and Purchasing Organization etc. When a requestor creates a Purchase Request with line items in SAP ERP, pre-configured Process Variants are triggered in SAP Cloud Platform

Workflow Management.

- Line Item data validated using Business Rules before approval.
- Approvers are determined using a Business Rule / external system.
- Approvers are notified via email.
- Approvers have two decision options (Approve, Reject), and based on the decision, the next approval step will be created or requested for a rework or delete the line item and terminate the approval process.
- Line Item released in SAP ERP for PO creation.

Required SAP Cloud Platform Services

The following SAP Cloud Platform services are required to consume the content package **Purchase Requisition Approval and Release**:

- SAP Cloud Platform Workflow management
- SAP Cloud Platform Integration (in SAP Cloud Platform Neo landscape)
- SAP Cloud Platform Portal
- SAP Cloud Platform Identity Authentication Service (optional)
- SAP ERP 6.0.

Setup and Configuration

Purchase Requisition Approval and Release content package requires SAP Cloud Platform Workflow Management subscription or a CPEA contract. Follow the setup and configuration section of SAP Workflow Management.

<https://help.sap.com/viewer/DRAFT/6f55baaf330443bd8132d071581bbae6/Cloud/en-US/d7910e2bf7f64afc9d0eb21b0cc9e84d.html>

Configure Workflow Email Destination

Configure workflow email destination. For more information on configuring destination, see [configure workflow email destination](#).

Configure Business Rules Destination

A HTTP destination is required in the Cloud Foundry account where SAP Workflow Management is subscribed. Configure destination with name "BusinessRules", Type as HTTP, Proxy Type as Internet and authentication as OAuth2ClientCredentials. Please make sure the URL formatted as {rule_runtime_url}/rules-service. Please refer how to [create a HTTP destination](#) and [how to access business rules APIs](#) using OAuth 2.0 Authentication (client credentials)

Destination Configuration

Name: *	<input type="text" value="BusinessRules"/>
Type:	<input type="text" value="HTTP"/>
Description:	<input type="text"/>
URL: *	<input type="text"/>
Proxy Type:	<input type="text" value="Internet"/>
Authentication:	<input type="text" value="OAuth2ClientCredentials"/>
Client ID: *	<input type="text"/>
Client Secret: *	<input type="password" value="*****"/>
Token Service URL: *	<input type="text"/>
Token Service User:	<input type="text"/>
Token Service Password:	<input type="password"/>

Configure Integration Destination

A HTTP destination is required in the Cloud Foundry account where SAP Cloud Platform Workflow Management is subscribed.

Configure destination with name CPI, Type as HTTP, Proxy Type as Internet and authentication as OAuth2ClientCredentials. Please refer how to [create a HTTP destination](#) and Authentication (client credentials).The URL should be the runtime url. Please refer how to get your Cloud Platform Integration tenant [runtime url](#). Create an OAuth client in Cloud Platform Integration Neo tenant and enter Client ID and Client Secret. Please refer [how to create a OAuth client in Neo](#).

Name: *	<input type="text" value="CPI"/>
Type:	<input type="text" value="HTTP"/>
Description:	<input type="text"/>
URL: *	<input type="text"/>
Proxy Type:	<input type="text" value="Internet"/>
Authentication:	<input type="text" value="OAuth2ClientCredentials"/>
Client ID: *	<input type="text"/>
Client Secret: *	<input type="password" value="*****"/>
Token Service URL: *	<input type="text"/>
Token Service User:	<input type="text"/>
Token Service Password:	<input type="password"/>

Please Token Service Url is available in your Cloud Platform Integration Neo account as showed below.

The screenshot displays the SAP Cloud Platform Cockpit interface. On the left is a navigation menu with categories like Overview, Applications, Services, Solutions, SAP HANA / SAP ASE, Connectivity, Security, and Trust. The 'Connectivity' section is expanded, showing 'Destinations', 'Cloud Connectors', and 'OAuth' (highlighted with a red box). The main content area shows 'Subaccount: [redacted]' and 'OAuth Settings'. Under 'Branding', there are options for 'Default Theme' (selected) and 'Custom Theme', along with color pickers for Background Color (#CCCCCC), Button Color (#007CC0), and Button Text Color (#FFFFFF). A 'Save' button is present. Under 'OAuth URLs', the 'Token Endpoint' field is highlighted with a red box, and its value is redacted. Other fields like 'Authorization Endpoint' and 'End User UI' are also visible but redacted.

Assign the required [Cloud Platform Integration roles](#) to your OAuth client (oauth_client_<client ID>).

Configure SAP ERP Destination

An RFC destination is required in the Neo account where SAP Cloud Platform Integration 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

Destination Configuration

Name: *	<input type="text"/>
Type:	<input type="text" value="RFC"/>
Description:	<input type="text"/>
Proxy Type:	<input type="text" value="OnPremise"/>
User:	<input type="text"/>
Password:	<input type="password" value="*****"/>
Alias User:	<input type="text"/>
Repository User:	<input type="text"/>
Repository Password:	<input type="password" value="*****"/>
Location ID:	<input type="text"/>

Additional Properties

<input type="text" value="jco.client.ash..."/>	<input type="text"/>	<input type="button" value="🗑"/>
<input type="text" value="jco.client.client"/>	<input type="text"/>	<input type="button" value="🗑"/>
<input type="text" value="jco.client.sysnr"/>	<input type="text"/>	<input type="button" value="🗑"/>

Configure Cloud Connector

Configure your SAP Cloud Platform Integration account and ECC system in Cloud Connector to enable secure tunnel for RFC calls. Please refer the help documentation to [configure Cloud Connector](#).









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 requisition line items. An integration content package SAP ERP integration with SAP Cloud Platform Workflow Management 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.

 SAP ERP Integration with SAP Cloud Platform Workflow Management / Save Publish Cancel Delete Package
SAP ERP Integration with SAP Cloud Platform Workflow Management

Header Overview **Artifacts (8)** Documents (1) Comments Tags

Add ▾ Delete Actions ▾ 🔍

<input type="checkbox"/>	Name	Type	Version	Actions
<input type="checkbox"/>	Create Purchase Requisition in SAP ERP Creates Purchase Requisition in SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Delete Purchase Requisition Items in SAP ERP Deletes Purchase Requisition Items in SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Get Material list from SAP ERP Query to get available materials from SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Get Material from SAP ERP Read Material data from SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Get Plant List from SAP ERP Query to get Plant List from SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Get Purchase Requisition from SAP ERP Read Purchase Requisition data from SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Release Purchase Requisition in SAP ERP Releases Purchase Requisition Items in SAP ERP Created	Integration Flow	1.0.0	 >
<input type="checkbox"/>	Update Purchase Requisition in SAP ERP Updates Purchase Requisition in SAP ERP Created	Integration Flow	1.0.0	 >

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 Prepackaged Integration content using SAP Cloud Platform integration

- Access your SAP Cloud Platform Integration Tenant management node. Please refer [help documentation](#) on how to get Tenant management node address.
- <https://<cpitenant>.hana.ondemand.com/itspaces>
- View all pre-packaged integration flow under Discover->Integration.
- <https://<cpitenant>.hana.ondemand.com/itspaces/shell/discover>

- Search content package “SAP ECC Purchase Requisition Approval with SAP Cloud Platform Workflow Management”
- Click on the package SAP ECC Purchase Requisition Approval with SAP Cloud Platform Workflow Management.
- Click Copy to import the Integration content package to your workspace.
- Navigate to Design to open the imported content package.
- <https://<cpitenant>.hana.ondemand.com/itspaces/shell/design>
- Open all Integration models, select Externalized Parameters, set configured value as RFC Destination created in the section [Configure SAP ECC Destination](#)

Configure "Create Purchase Requisition in SAP ERP"

The screenshot shows the configuration interface for an integration model. On the left, there is a 'Receiver' icon and a 'Connection' label. The main configuration area contains three fields: 'Receiver' is a dropdown menu with 'SAP_ERP' selected; 'Adapter Type' is a dropdown menu with 'RFC' selected; and 'Destination' is a text input field containing 'EBJ'. A mouse cursor is positioned over the 'Receiver' dropdown.

- Deploy the integration model

These Integration models are used from the Live Process content package **Purchase Requisition Approval and Release**.