

PUBLIC

Build a Workflow from Scratch with SAP Cloud Platform Workflow Management

DEV163

Prerequisite / Setup
Archana Shukla / SAP

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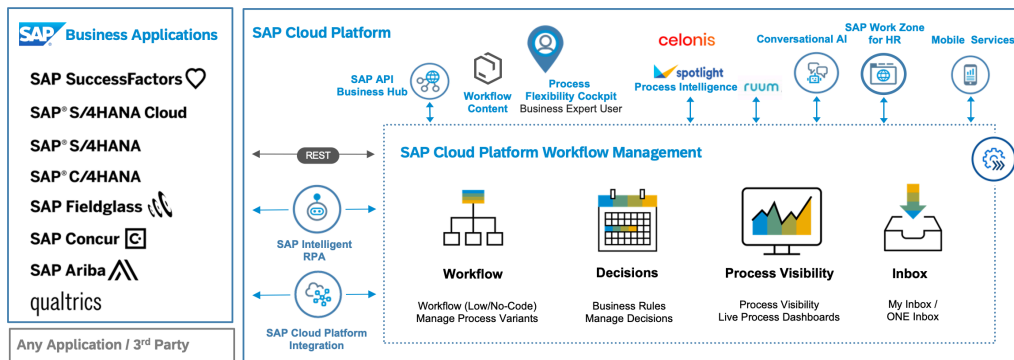
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OVERVIEW

Estimated time: 15 minutes.

In this hands-on workshop you will be using your SAP Cloud Platform Trial account. You will learn how to model, manage and monitor workflow, business rules and process visibility capabilities of Workflow Management.

Workflow Management is a cloud offering from SAP which constitutes different capabilities that helps you to digitize your processes and decisions, and to get and end-to-end visibility into your processes. Not only this we are accelerating the productivity with infusion of intelligent technologies like Intelligent RPA, Conversational AI and providing ways to flexibly configure & extend the processes in a no-code low-code environment.



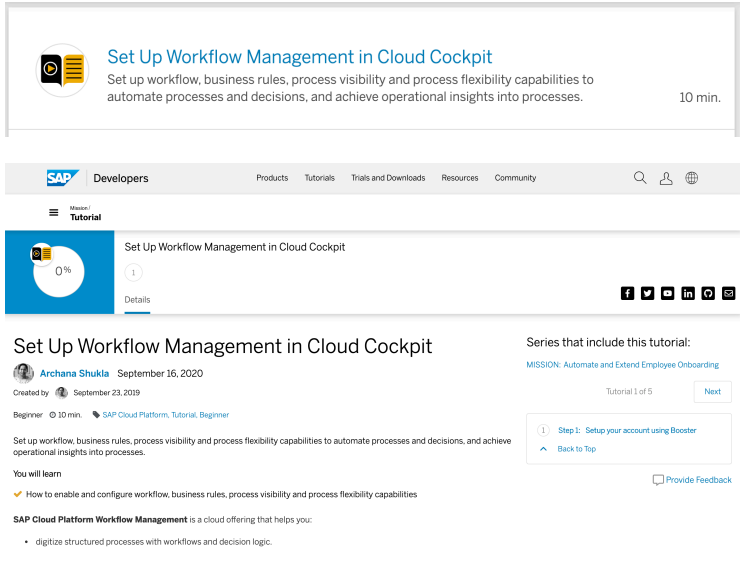
Before you start with the exercises, setting up your cloud platform trial account is an important prerequisite. With [Booster](#), we have now fully automated the setup of workflow, business rules, process visibility and workflow management services in cloud platform environment. It does the following tasks which you would have otherwise done manually:

1. Configures Business Rules, Workflow, Process Visibility and Workflow Management entitlements.
2. Enables Workflow Management and Business Application Studio subscriptions.
3. Creates service instance of Business Rules, Workflow, Process Visibility and Workflow Management.
4. Creates Destination with name BUSINESS_RULES, BUSINESSRULES_APIHUB and WM_CF_SPACE_PROVIDER. These destinations will be used while integrating business rules with workflow, importing business rules project from API Hub and importing live process content from process hub respectively.
5. Assign all the Workflow Management role collections to trial user.

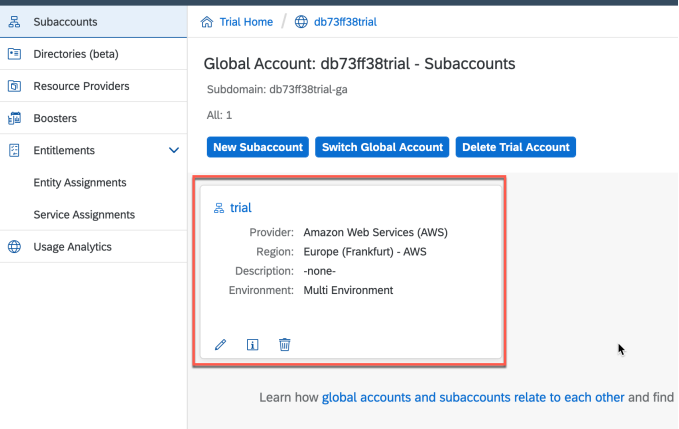
As part of the initial setup you will do the following to make your trial account ready to get started:

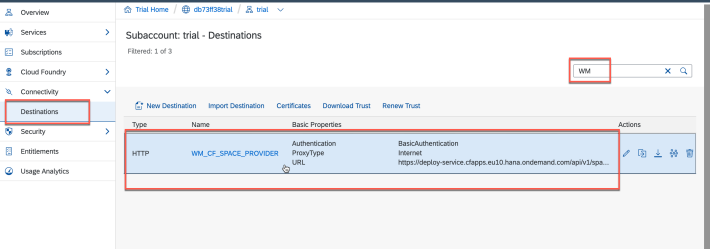
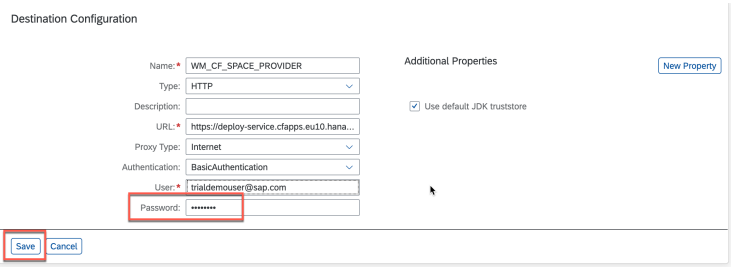
1. Run the Workflow Management Booster.
2. Configure destinations to update your trial password.
3. Import & deploy sample workflow management scenario. This sample process content contains pre-built workflow, business rules and process visibility. These contents will be used in the exercises.

SETUP CLOUD PLATFORM ACCOUNT USING BOOSTER

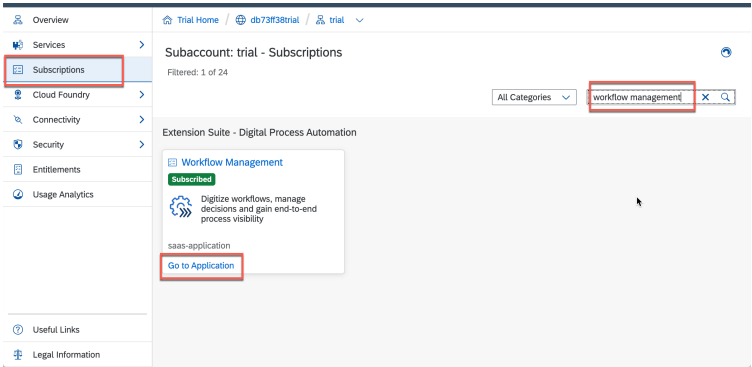
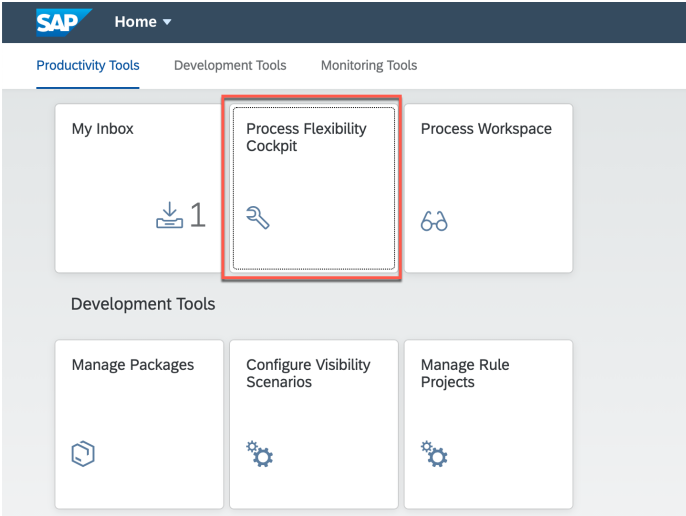
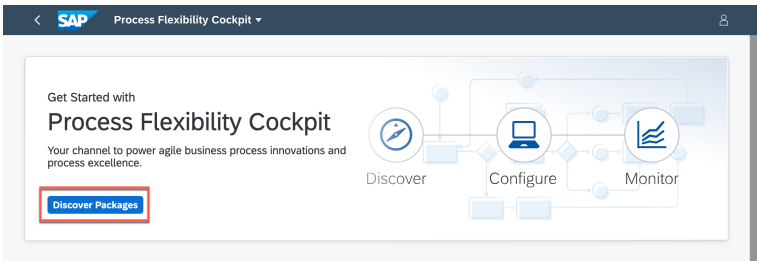
Explanation	Screenshot
<p>1. Follow the tutorial to setup your account using Booster:</p> <p>https://developers.sap.com/tutorials/cp-starter-ibpm-employeeonboarding-1-setup.html</p>	 <p>The screenshot shows the SAP Cloud Platform Developer Center interface. At the top, there's a header with 'SAP Developers' and navigation links. Below it, a search bar and user profile are visible. The main content area displays a tutorial titled 'Set Up Workflow Management in Cloud Cockpit' by Archana Shukla, dated September 16, 2020. The tutorial is marked as 'Beginner' and '10 min'. It includes a progress indicator showing 0% completion. The description states: 'Set up workflow, business rules, process visibility and process flexibility capabilities to automate processes and decisions, and achieve operational insights into processes.' The 'You will learn' section lists: 'How to enable and configure workflow, business rules, process visibility and process flexibility capabilities'. The 'SAP Cloud Platform Workflow Management' section describes it as a cloud offering that helps digitize structured processes with workflows and decision logic. On the right, there's a 'Series that include this tutorial' section with a mission: 'Automate and Extend Employee Onboarding'. A 'Next' button is also present.</p>

CONFIGURE DESTINATION

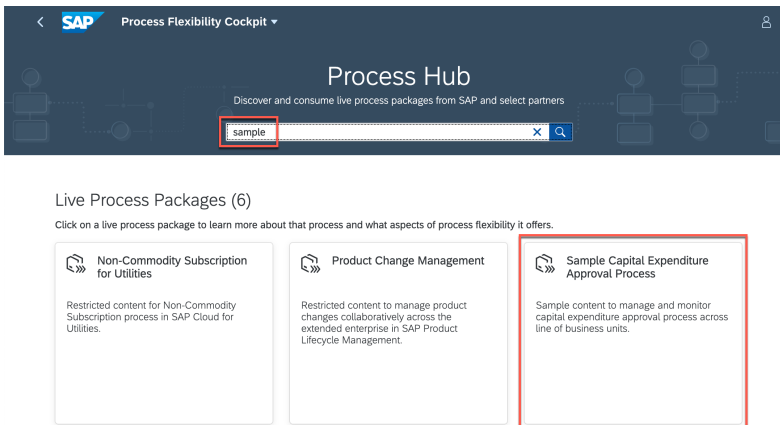
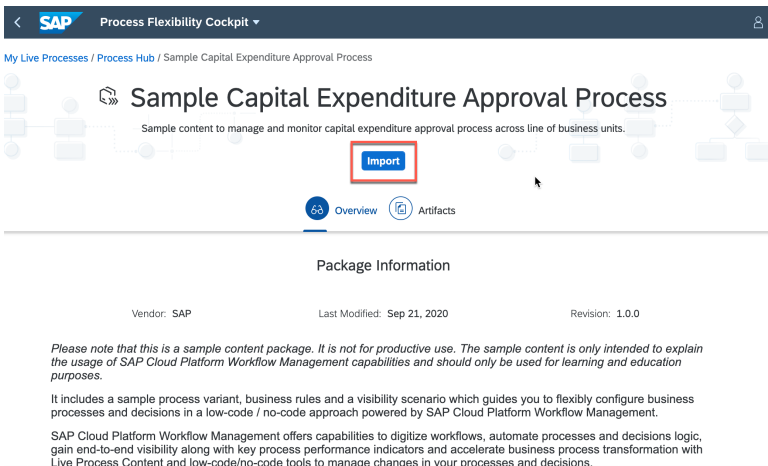
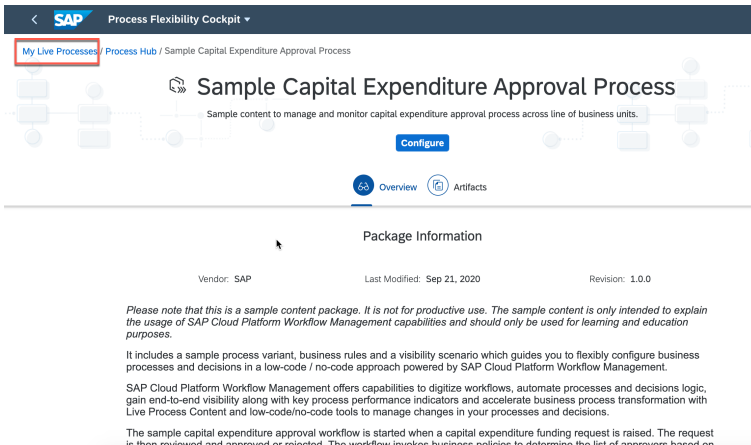
Explanation	Screenshot
<p>WM_CF_SPACE_PROVIDER destination is used in Process Flexibility Cockpit while importing the sample content from API Business Hub. This destination is already created in the previous set up tutorial, and now you will configure the destination for the password.</p> <p>2. From your global account page, click the trial tile to access your subaccount.</p>	 <p>The screenshot shows the 'Subaccounts' page in the SAP Cloud Platform. The left sidebar contains a list of navigation items: Subaccounts, Directories (beta), Resource Providers, Boosters, Entitlements (selected), Entity Assignments, Service Assignments, and Usage Analytics. The main content area displays the 'Global Account: db73ff38trial - Subaccounts' page. It shows the subdomain 'db73ff38trial-ga' and 'All: 1'. There are three buttons: 'New Subaccount', 'Switch Global Account', and 'Delete Trial Account'. Below these, a table lists the subaccount details for 'trial': Provider: Amazon Web Services (AWS), Region: Europe (Frankfurt) - AWS, Description: -none-, and Environment: Multi Environment. At the bottom, there's a link to 'Learn how global accounts and subaccounts relate to each other and find'.</p>

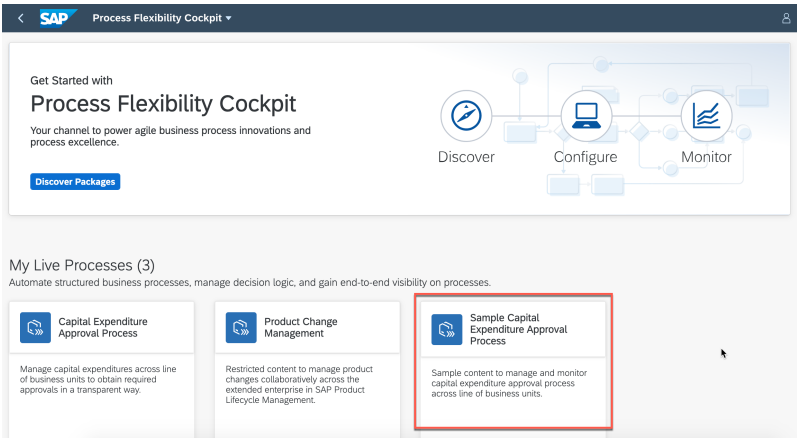
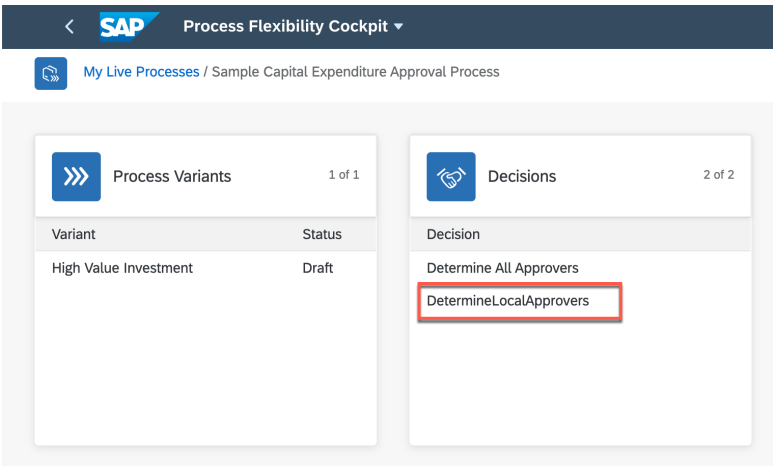
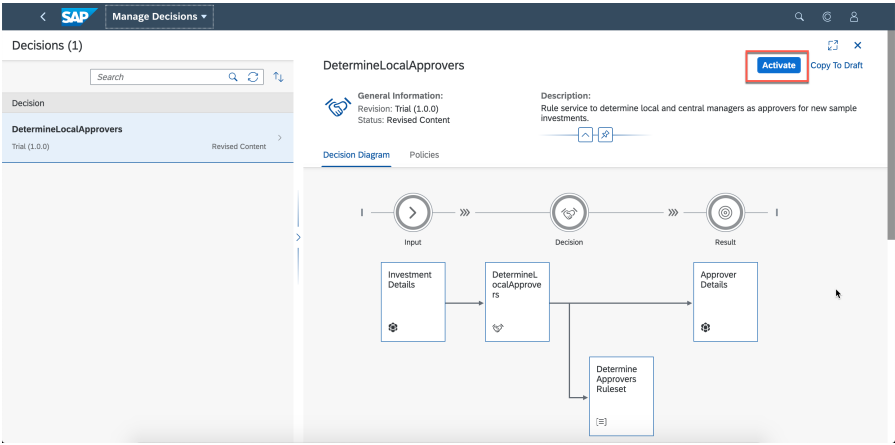
Explanation	Screenshot
<p>3. Click Connectivity Destinations from the left-hand navigation and search for the destination with name WM_CF_SPACE_PROVIDER. Click on the destination to configure its properties.</p>	 <p>The screenshot shows the SAP Cloud Platform 'Destinations' page. The left-hand navigation menu has 'Destinations' highlighted. The main area shows a table of destinations. A search bar at the top right contains the text 'WM'. The table lists one destination: 'WM_CF_SPACE_PROVIDER' of type 'HTTP'. The 'Basic Properties' column shows 'Authentication: BasicAuthentication' and 'URL: https://deploy-service.cfapps.eu10.hana.ondemand.com/api/v2/spa...'. The 'Actions' column has icons for edit, delete, and share.</p>
<p>4. In Destination Configuration section, click Edit and enter your cloud platform trial user password.</p> <p>Caution: Ensure that the Two Factor Authentication is disabled for the user whose username and password are entered in the destination configuration. If not, then register a new user with 2FA disabled.</p>	 <p>The screenshot shows the 'Destination Configuration' form. The 'Name' field is 'WM_CF_SPACE_PROVIDER'. The 'Type' is 'HTTP'. The 'URL' is 'https://deploy-service.cfapps.eu10.hana.ondemand.com/api/v2/spa...'. The 'Proxy Type' is 'Internet'. The 'Authentication' is 'BasicAuthentication'. The 'User' is 'trialdemouser@sap.com'. The 'Password' field is masked with asterisks. The 'Additional Properties' section has a checkbox for 'Use default JDK truststore' which is checked. There are 'Save' and 'Cancel' buttons at the bottom left, and a 'New Property' button at the top right.</p>
<p>5. Click Save to save the changes.</p>	

IMPORT SAMPLE PROCESS CONTENT

Explanation	Screenshot
<p>6. In your sub-account, click Subscriptions, from the left-panel.</p> <p>7. Search for Workflow Management and click on Go to Application link on the tile.</p>	 <p>The screenshot shows the SAP Cloud Platform 'Subscriptions' page. In the left-hand navigation menu, the 'Subscriptions' option is highlighted with a red box. The main content area displays a search bar with 'workflow management' entered, also highlighted with a red box. Below the search bar, a tile for 'Workflow Management' is visible, featuring a 'Go to Application' link that is highlighted with a red box.</p>
<p>8. From the Workflow Management Launchpad, click Process Flexibility Cockpit tile.</p>	 <p>The screenshot shows the SAP Home page. The 'Process Flexibility Cockpit' tile, located in the 'My Inbox' section, is highlighted with a red box. Other visible tiles include 'My Inbox', 'Process Workspace', 'Manage Packages', 'Configure Visibility Scenarios', and 'Manage Rule Projects'.</p>
<p>9. Click Discover Packages.</p>	 <p>The screenshot shows the 'Get Started with Process Flexibility Cockpit' page. A prominent 'Discover Packages' button is highlighted with a red box. The page also features a diagram illustrating the 'Discover', 'Configure', and 'Monitor' workflow.</p>

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Explanation	Screenshot
10. Search for sample and click on Sample Capital Expenditure Approval Process .	 <p>The screenshot shows the SAP Process Hub interface. At the top, there's a search bar with the word 'sample' entered. Below the search bar, there are three live process packages listed. The third package, 'Sample Capital Expenditure Approval Process', is highlighted with a red box. The other two packages are 'Non-Commodity Subscription for Utilities' and 'Product Change Management'.</p>
11. Read the content overview to get information of the content and click on Import . 12. In the Import Package popup that comes, click on Import to continue.	 <p>The screenshot shows the 'Sample Capital Expenditure Approval Process' overview page. The 'Import' button is highlighted with a red box. Below the 'Import' button, there are tabs for 'Overview' and 'Artifacts'. The 'Overview' tab is selected. The page displays package information, including the vendor (SAP), last modified date (Sep 21, 2020), and revision (1.0.0). A note states: 'Please note that this is a sample content package. It is not for productive use. The sample content is only intended to explain the usage of SAP Cloud Platform Workflow Management capabilities and should only be used for learning and education purposes.'</p>
Wait for the content to import. It will take 2-3 minutes for the content to be imported. Once the content is import successfully, you will see the Import button changes to Configure . 13. Click on My Live Processes link on top left to go back the to Live Processes dashboard	 <p>The screenshot shows the 'Sample Capital Expenditure Approval Process' overview page after the content has been successfully imported. The 'My Live Processes' link in the top left corner is highlighted with a red box. The 'Import' button has been replaced by a 'Configure' button, which is also highlighted with a red box. The rest of the page content remains the same as in the previous screenshot.</p>

Explanation	Screenshot
14. Click on the Sample Capital Expenditure Approval Process to navigate into the package to activate the business rules.	 The screenshot shows the SAP Process Flexibility Cockpit interface. At the top, there's a header with the SAP logo and 'Process Flexibility Cockpit'. Below this, a 'Get Started with Process Flexibility Cockpit' section includes a 'Discover Packages' button and a diagram with 'Discover', 'Configure', and 'Monitor' steps. The main section is 'My Live Processes (3)', which lists three processes: 'Capital Expenditure Approval Process', 'Product Change Management', and 'Sample Capital Expenditure Approval Process'. The 'Sample Capital Expenditure Approval Process' is highlighted with a red box.
15. As you go into the package, click on DetermineLocalApprovers rule from Decisions tile.	 The screenshot shows the SAP Process Flexibility Cockpit interface for the 'Sample Capital Expenditure Approval Process'. It displays two main sections: 'Process Variants' (1 of 1) and 'Decisions' (2 of 2). The 'Decisions' section is selected, showing a list of decision rules: 'Determine All Approvers' and 'DetermineLocalApprovers'. The 'DetermineLocalApprovers' rule is highlighted with a red box.
16. In the Manage Decisions application, click on Activate . This will activate and deploy the business rules in your trial cloud account.	 The screenshot shows the SAP Manage Decisions application. It displays a list of decision rules on the left, with 'DetermineLocalApprovers' selected. The main area shows the details of this rule, including its description and a decision diagram. The 'Activate' button is highlighted with a red box.

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