

PUBLIC

Build a Workflow from Scratch with SAP Cloud Platform Workflow Management

DEV163

Prerequisite / Setup
Archana Shukla / SAP

TABLE OF CONTENTS

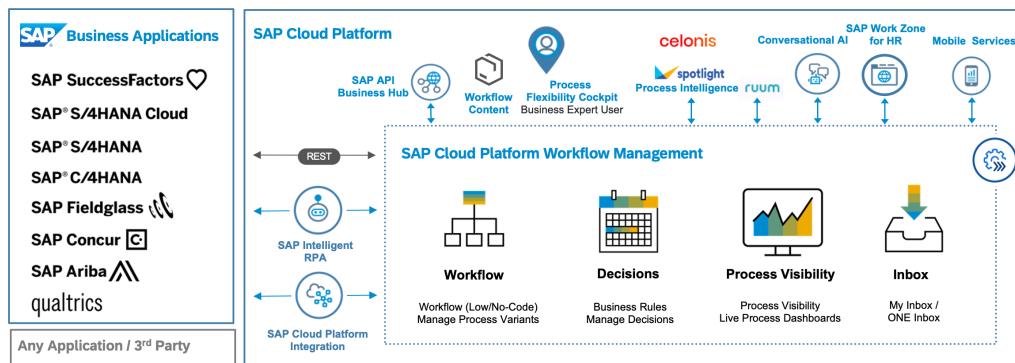
OVERVIEW	3
SETUP CLOUD PLATFORM ACCOUNT USING BOOSTER.....	4
CONFIGURE DESTINATION.....	4
IMPORT SAMPLE PROCESS CONTENT.....	6
TROUBLESHOOTING	9

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 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.



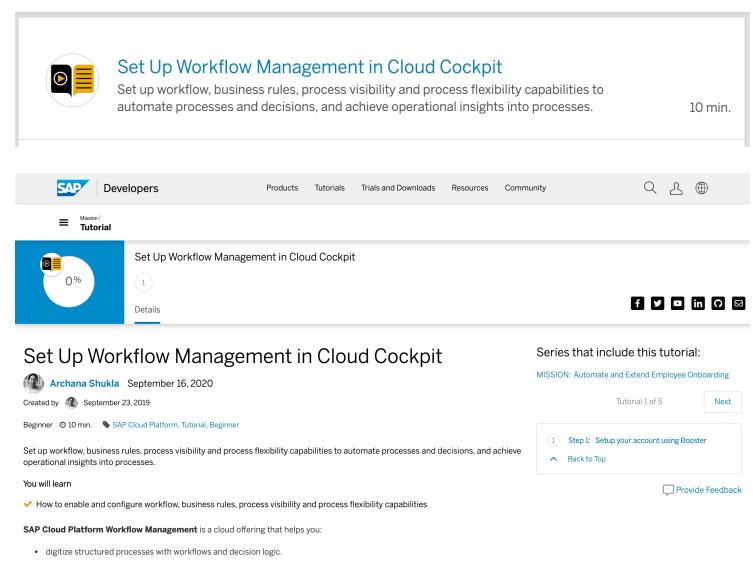
Before you start with the exercises, setting up your cloud platform trial account is an important prerequisite. With [Booster](#), we have now fully automated the setup of workflow, business rules, process visibility and workflow management services in cloud platform environment. It does the following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

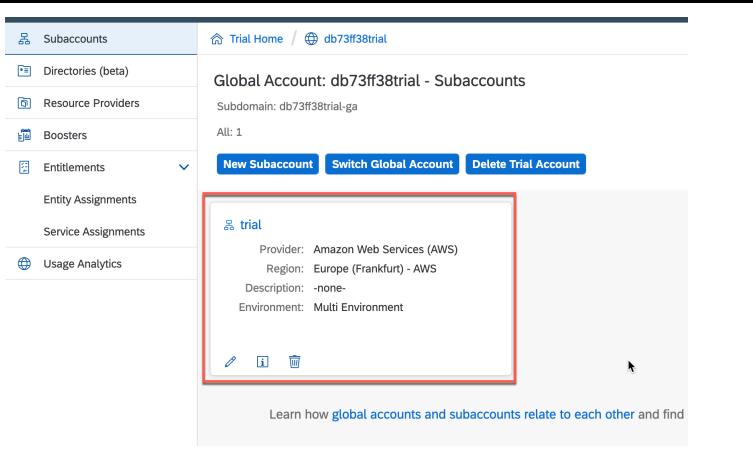
As part of the initial setup you will do the following to make your trial account ready to get started:

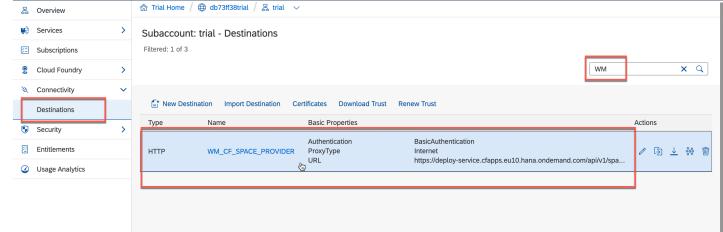
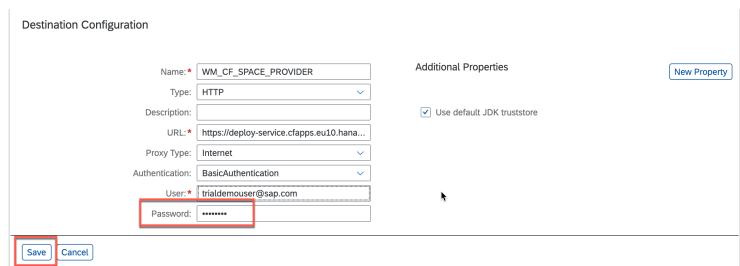
1. Run the *Workflow Management Booster*.
2. Configure destinations to update your trial password.
3. Import & deploy sample workflow management scenario. This sample process content contains pre-built workflow, business rules and process visibility. These contents will be used in the exercises.

SETUP CLOUD PLATFORM ACCOUNT USING BOOSTER

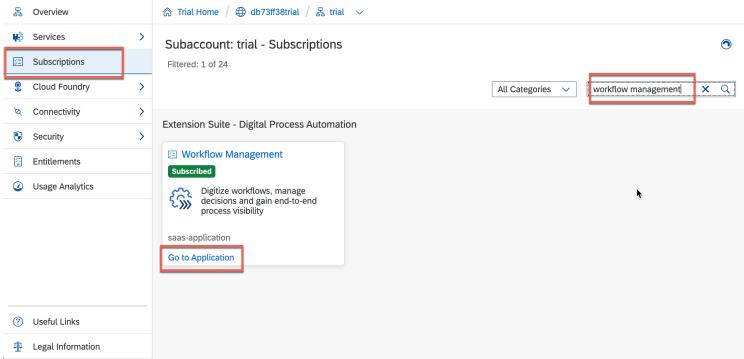
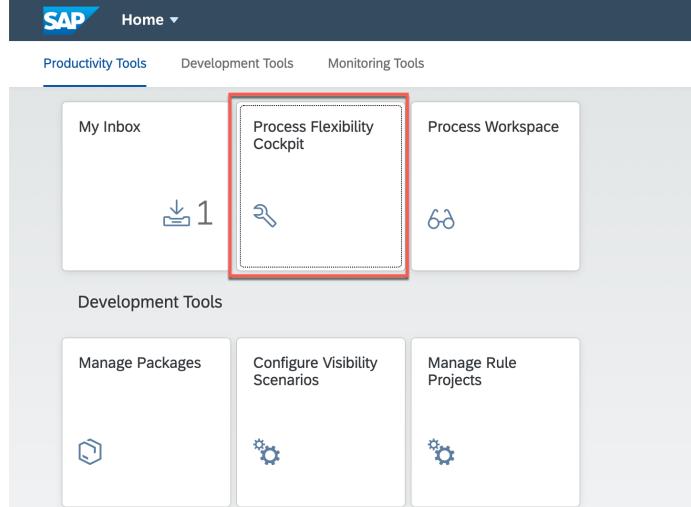
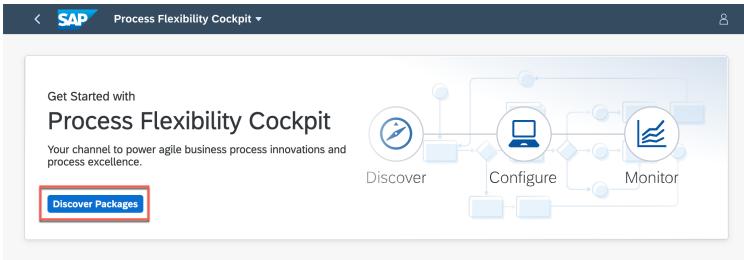
Explanation	Screenshot
<ol style="list-style-type: none"> Follow the tutorial to setup your account using Booster: https://developers.sap.com/tutorials/cp-starter-ibpm-employeeonboarding-1-setup.html 	 <p>The screenshot shows the SAP Developers website with the title 'Set Up Workflow Management in Cloud Cockpit'. Below the title, there's a brief description: 'Set up workflow, business rules, process visibility and process flexibility capabilities to automate processes and decisions, and achieve operational insights into processes.' A progress bar indicates 0% completion. The page includes social sharing icons and a sidebar with navigation links like 'Products', 'Tutorials', 'Trials and Downloads', 'Resources', and 'Community'.</p> <p>Set Up Workflow Management in Cloud Cockpit</p> <p>Set up workflow, business rules, process visibility and process flexibility capabilities to automate processes and decisions, and achieve operational insights into processes.</p> <p>Created by Archana Shukla September 16, 2020</p> <p>Beginner 0 10 min. SAP Cloud Platform, Tutorial, Beginner</p> <p>Set up workflow, business rules, process visibility and process flexibility capabilities to automate processes and decisions, and achieve operational insights into processes.</p> <p>You will learn</p> <ul style="list-style-type: none"> How to enable and configure workflow, business rules, process visibility and process flexibility capabilities <p>SAP Cloud Platform Workflow Management is a cloud offering that helps you:</p> <ul style="list-style-type: none"> digitize structured processes with workflows and decision logic. <p>Series that include this tutorial: MISSION: Automate and Extend Employee Onboarding Tutorial 1 of 5</p> <p>Step 1: Setup your account using Booster Back to Top</p> <p>Provide Feedback</p>

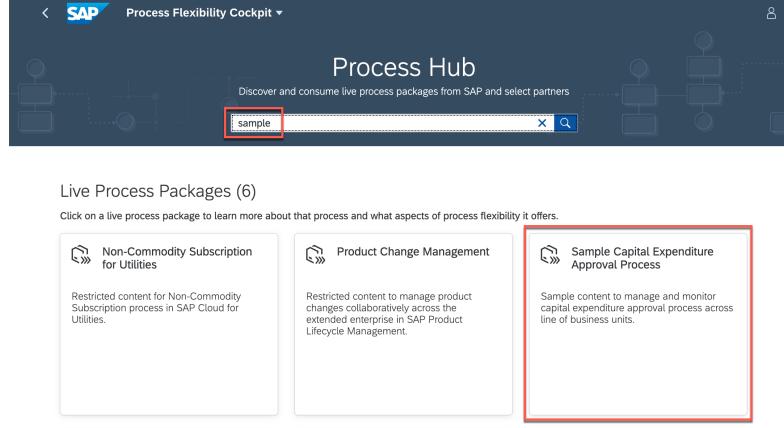
CONFIGURE DESTINATION

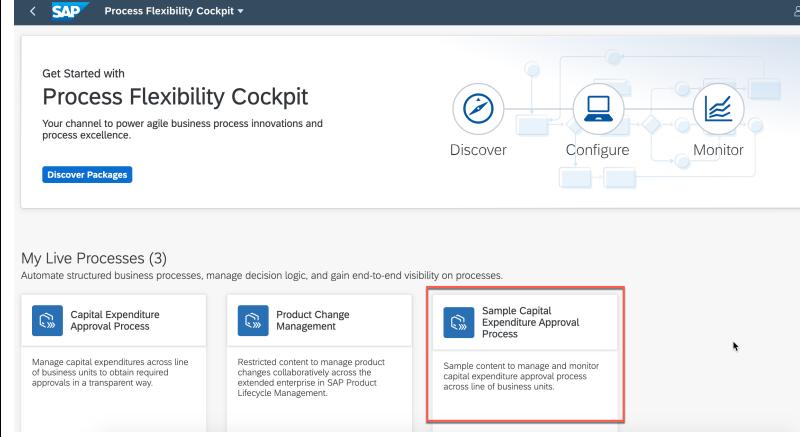
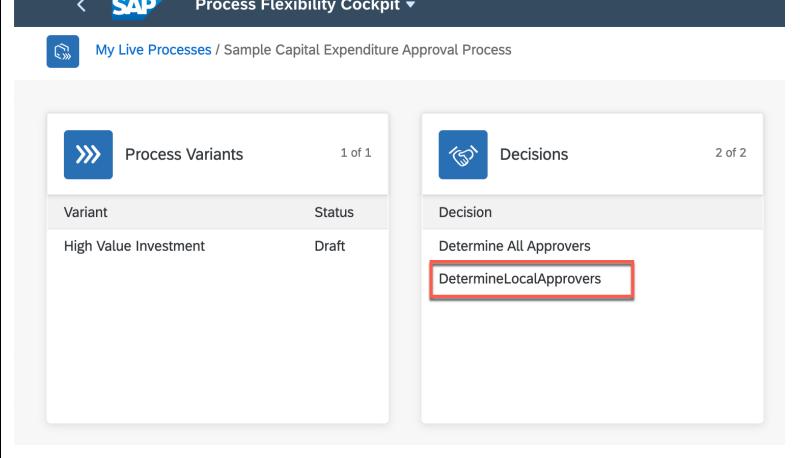
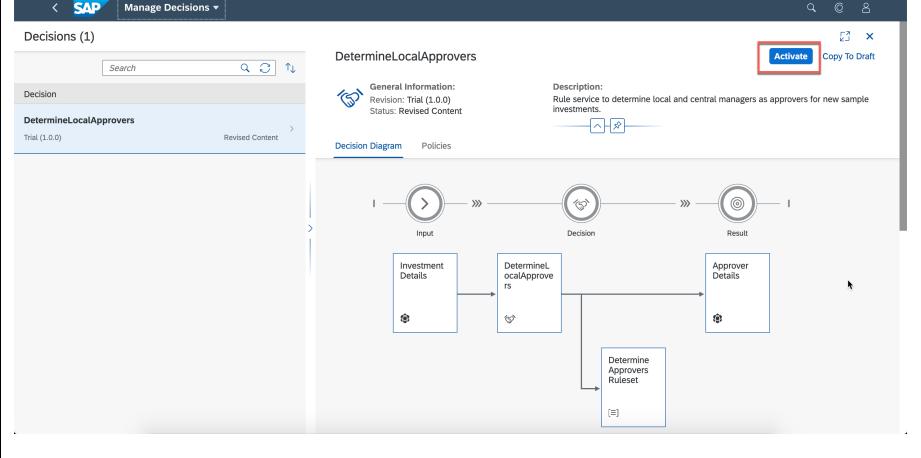
Explanation	Screenshot
<p>WM_CF_SPACE_PROVIDER destination is used in Process Flexibility Cockpit while importing the sample content from API Business Hub. This destination is already created in the previous set up tutorial, and now you will configure the destination for the password.</p> <ol style="list-style-type: none"> From your global account page, click the trial tile to access your subaccount. 	 <p>The screenshot shows the SAP Cloud Platform Global Account page. The left sidebar lists options: Subaccounts, Directories (beta), Resource Providers, Boosters, Entitlements, Entity Assignments, Service Assignments, and Usage Analytics. The main content area shows a list of subaccounts under 'Global Account: db73ff38trial - Subaccounts'. One subaccount, 'trial', is highlighted with a red box. Its details are shown: Provider: Amazon Web Services (AWS), Region: Europe (Frankfurt) - AWS, Description: -none-, Environment: Multi Environment. There are edit, copy, and delete icons below the details.</p> <p>Subdomain: db73ff38trial-ga</p> <p>All: 1</p> <p>New Subaccount Switch Global Account Delete Trial Account</p> <p>trial</p> <p>Provider: Amazon Web Services (AWS) Region: Europe (Frankfurt) - AWS Description: -none- Environment: Multi Environment</p> <p>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>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>5. Click Save to save the changes.</p>	

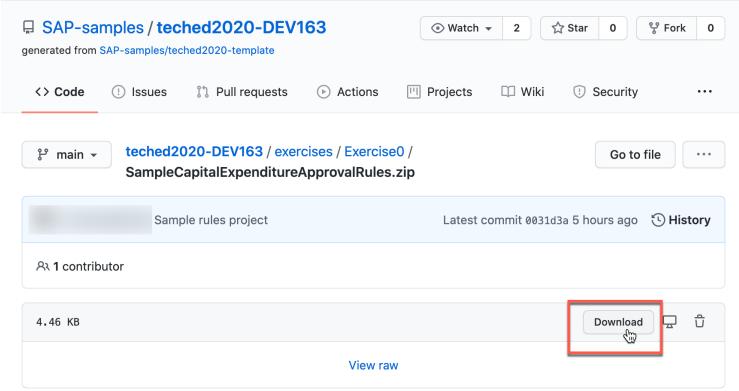
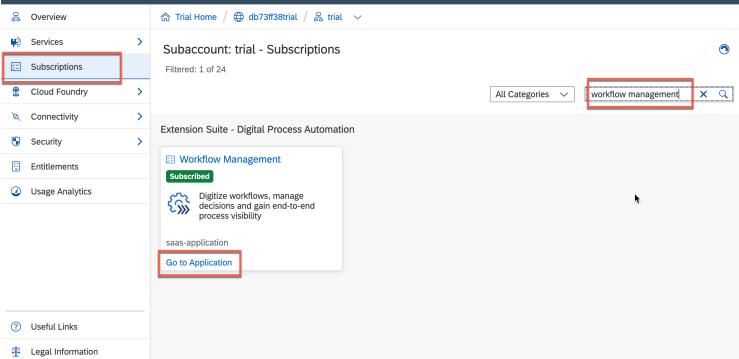
IMPORT SAMPLE PROCESS CONTENT

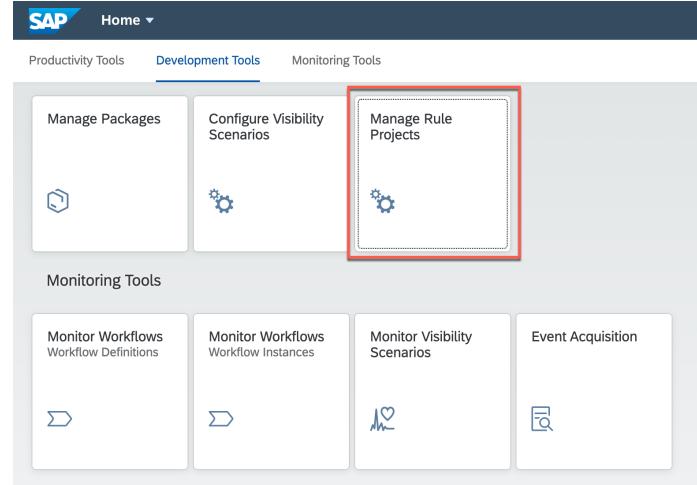
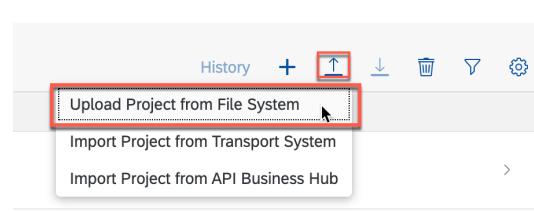
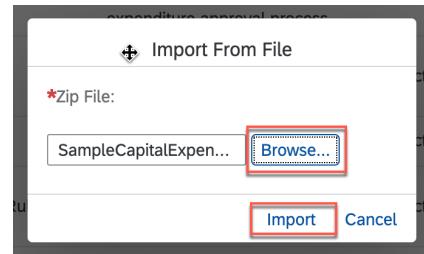
Explanation	Screenshot
<p>6. In your sub-account, click Subscriptions, from the left-panel.</p> <p>7. Search for Workflow Management and click on Go to Application link on the tile.</p>	
<p>8. From the Workflow Management Launchpad, click Process Flexibility Cockpit tile.</p>	
<p>9. Click Discover Packages.</p>	

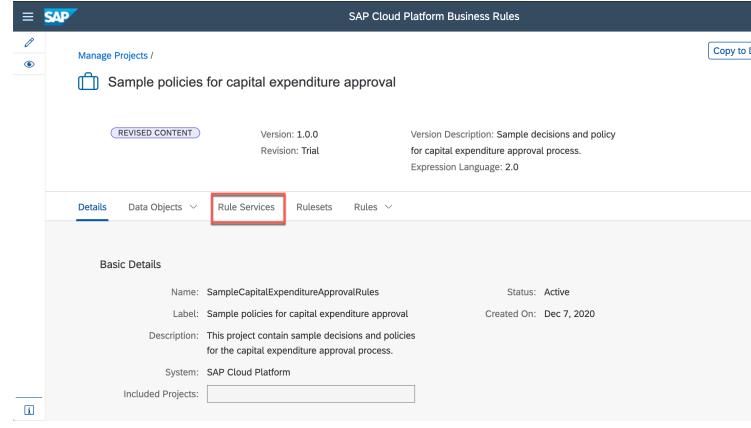
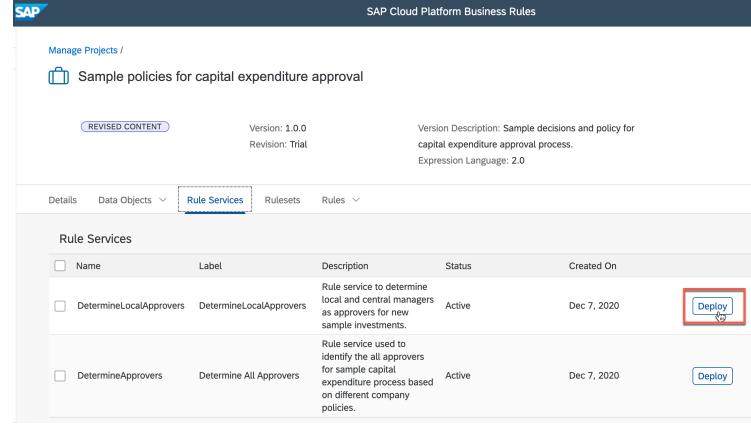
Explanation	Screenshot
<p>10. Search for sample and click on Sample Capital Expenditure Approval Process.</p>	 <p>The screenshot shows the SAP Process Flexibility Cockpit interface. In the search bar at the top, the word "sample" is typed. Below the search bar, there is a list titled "Live Process Packages (6)". One item in the list, "Sample Capital Expenditure Approval Process", is highlighted with a red box.</p>
<p>11. Read the content overview to get information of the content and click on Import.</p> <p>12. In the Import Package popup that comes, click on Import to continue.</p>	 <p>The screenshot shows the SAP Process Flexibility Cockpit interface. It displays the "Sample Capital Expenditure Approval Process" details page. At the top, there is a large button labeled "Import" which is highlighted with a red box. Below the button, there is a section titled "Package Information" with vendor information and a note about the package being a sample content package.</p>
<p>Wait for the content to import. It will take 2-3 minutes for the content to be imported.</p> <p>Once the content is import successfully, you will see the Import button changes to Configure.</p> <p>13. Click on My Live Processes link on top left to go back to the to Live Processes dashboard</p>	 <p>The screenshot shows the SAP Process Flexibility Cockpit interface. It displays the "Sample Capital Expenditure Approval Process" details page after the content has been imported. The "Import" button has been replaced by a "Configure" button. The "My Live Processes" link in the top left corner is highlighted with a red box. The rest of the page content is identical to the previous screenshot.</p>

Explanation	Screenshot
<p>14. Click on the Sample Capital Expenditure Approval Process to navigate into the package to activate the business rules.</p>	 <p>The screenshot shows the SAP Process Flexibility Cockpit interface. In the 'My Live Processes' section, there are three items: 'Capital Expenditure Approval Process', 'Product Change Management', and 'Sample Capital Expenditure Approval Process'. The third item is highlighted with a red box.</p>
<p>15. As you go into the package, click on DetermineLocalApprovers rule from Decisions tile.</p>	 <p>The screenshot shows the SAP Process Flexibility Cockpit interface. In the 'Decisions' tile, under the 'Decision' section, the 'Determine All Approvers' row contains the 'DetermineLocalApprovers' rule, which is highlighted with a red box.</p>
<p>16. In the Manage Decisions application, click on Activate. This will activate and deploy the business rules in your trial cloud account.</p>	 <p>The screenshot shows the SAP Manage Decisions application. It displays the 'DetermineLocalApprovers' rule details. On the right side, there is an 'Activate' button, which is highlighted with a red box.</p>

TROUBLESHOOTING

Explanation	Screenshot
<p>Symptom: Import of the sample package fails with this error as the user has 2FA enabled:</p> 	
<p>1. Download SampleCapitalExpenditureApprovalRules.zip rules project</p> <p>https://github.com/SAP-samples/teched2020-DEV163/blob/main/exercises/Exercise0/</p>	
<p>2. In your sub-account, click Subscriptions, from the left-panel.</p> <p>3. Search for Workflow Management and click on Go to Application link on the tile.</p>	

Explanation	Screenshot
<p>4. From the Workflow Management Launchpad, click Manage Rule Projects tile.</p>	
<p>5. Click Import and then click Upload Project from File System.</p>	
<p>6. Click Browse to select the downloaded zip file. 7. Click Import.</p>	
<p>8. The business rules project will be imported as REVISED CONTENT. 9. Click on the Sample Capital Expenditure Approval Process to navigate into the project to deploy the business rules.</p>	

Explanation	Screenshot
<p>10. Switch to Rule Services tab.</p>	 <p>The screenshot shows the SAP Cloud Platform Business Rules interface. A project named "Sample policies for capital expenditure approval" is selected. The "Rule Services" tab is highlighted with a red box. The "Basic Details" section shows the project's name, version, and description. The "System" dropdown is set to "SAP Cloud Platform".</p>
<p>11. Click Deploy to deploy DetermineLocalApprovers rule service. 12. Select SAP Cloud Platform as system to deploy. Wait for the successful deployment message to appear on the screen.</p>	 <p>The screenshot shows the SAP Cloud Platform Business Rules interface. The "Rule Services" tab is selected. A table lists two rule services: "DetermineLocalApprovers" and "DetermineApprovers". The "DetermineLocalApprovers" row has a "Deploy" button highlighted with a red box. The "System" dropdown is set to "SAP Cloud Platform".</p>

www.sap.com/contactsap

© 2020 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See www.sap.com/copyright for additional trademark information and notices.