

PUBLIC

Deep dive into SAP Cloud Platform Workflow Management – Setup guide

DEV-264

Exercises / Solutions
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TABLE OF CONTENTS

SAP CLOUD PLATFORM WORKFLOW MANAGMENT3

Prerequisite.....3

SUBSCRIBE AND CREATE WORKFLOW SERVICE INSTANCE.....4

CREATE WORKFLOW OAUTH DESTINATIONS12

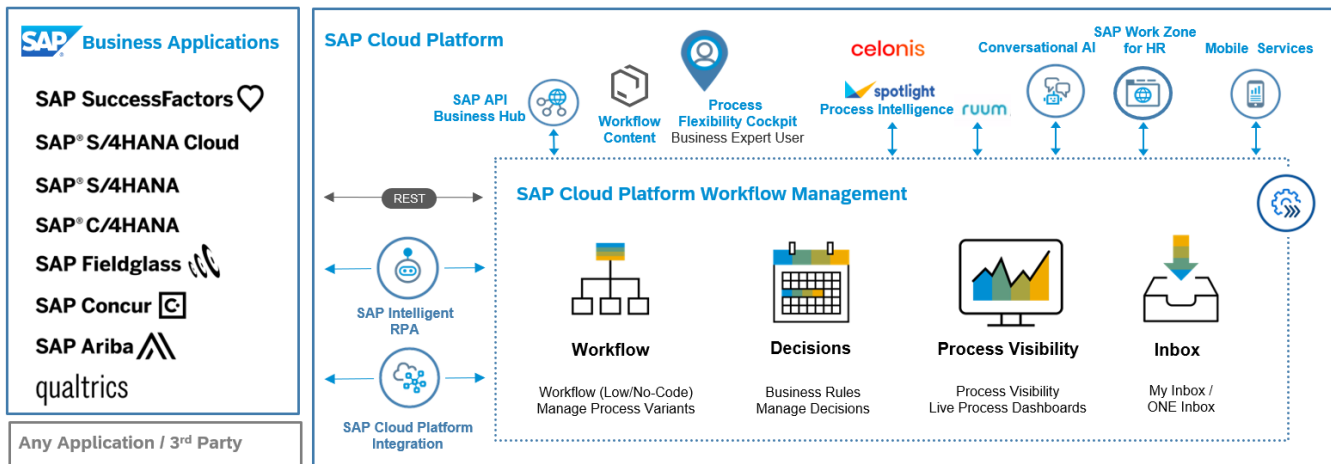
SUMMARY14

This document enables you to setup your cloud platform trial account before you start Workflow Management hands on exercise.

SAP CLOUD PLATFORM WORKFLOW MANAGEMENT

SAP Cloud Platform Workflow Management is a service in Extension Suite, enabling customers to automate processes, manage decisions and gain real time process visibility. The following capabilities are available in Workflow Management.

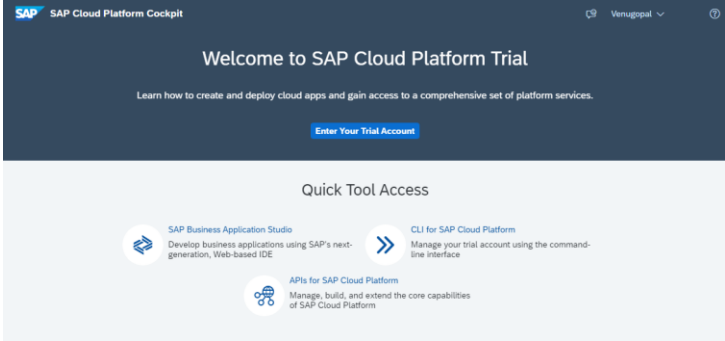
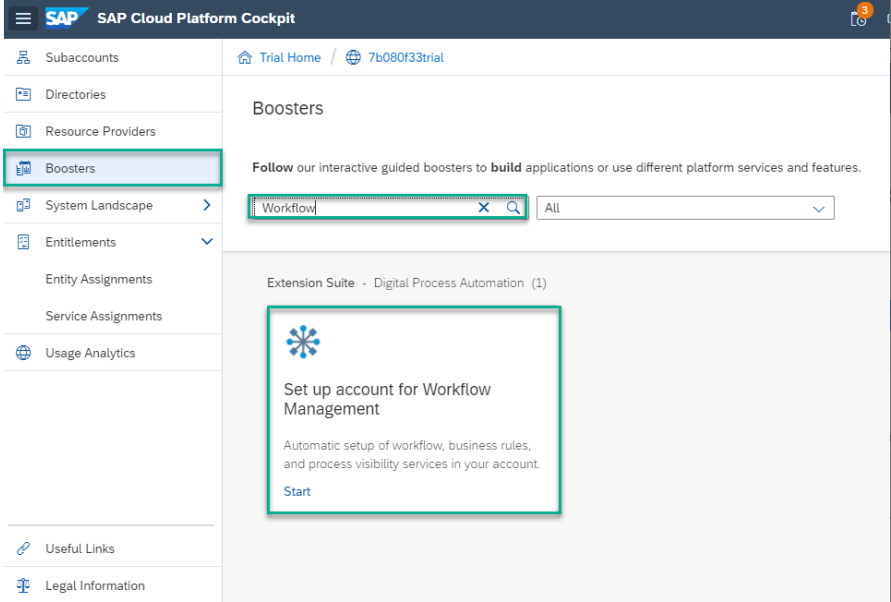
- Workflow
- Business Rules
- Process Visibility
- My Inbox
- Process Flexibility
- Live Process Content

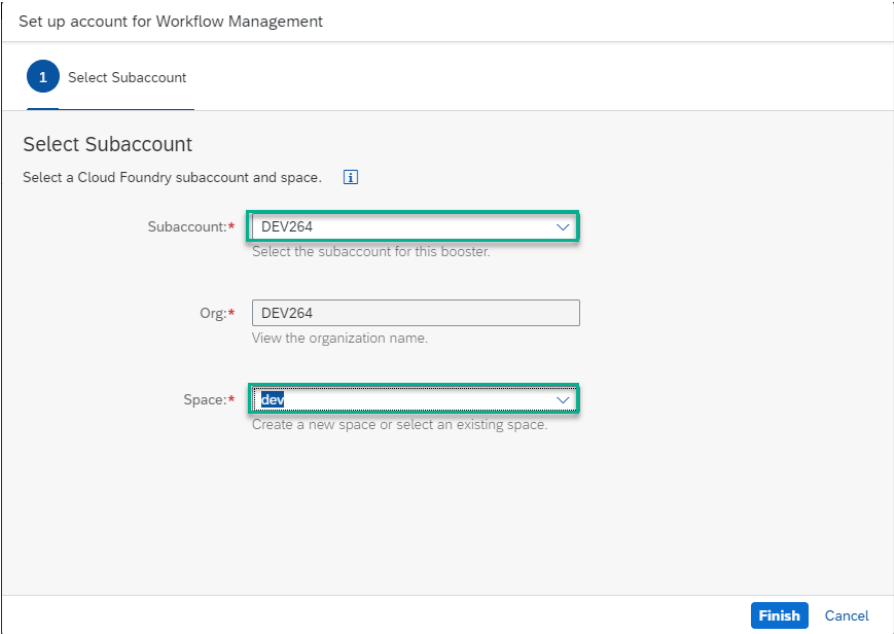
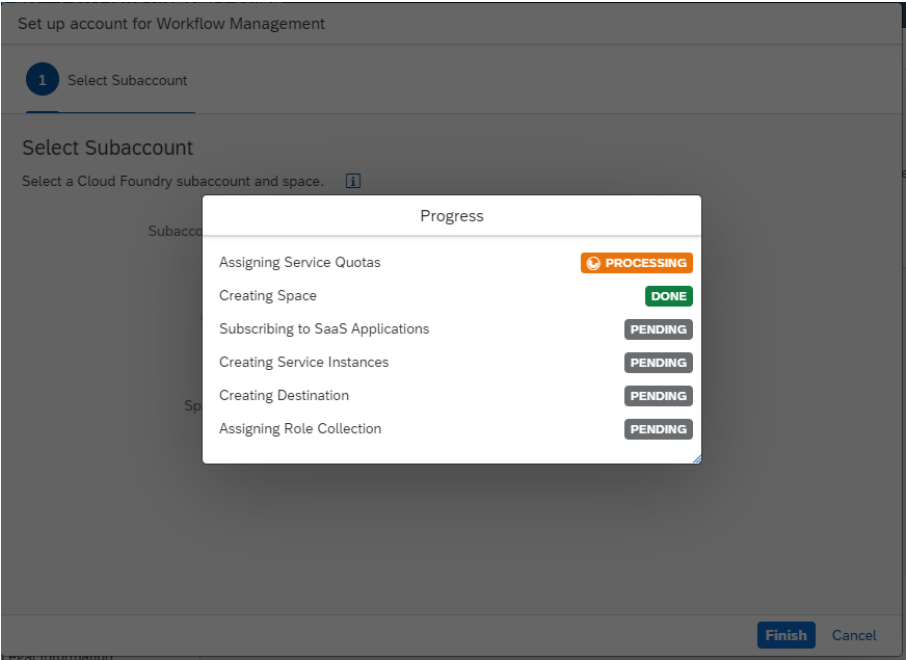


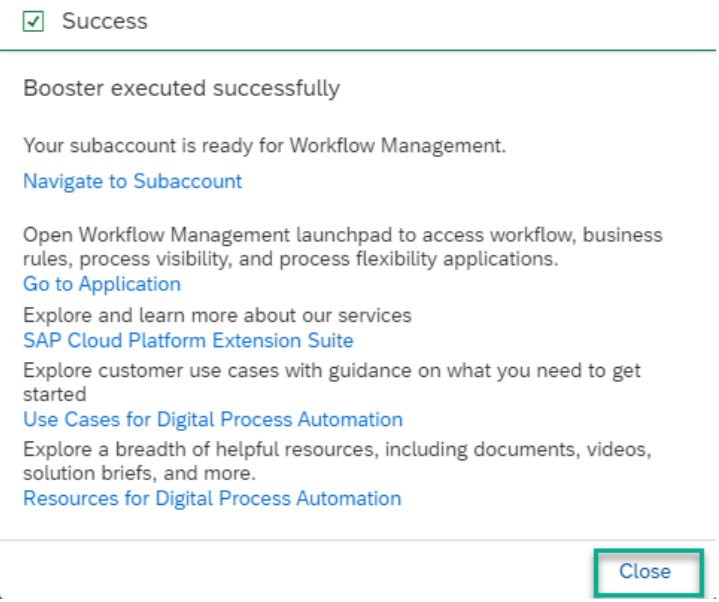
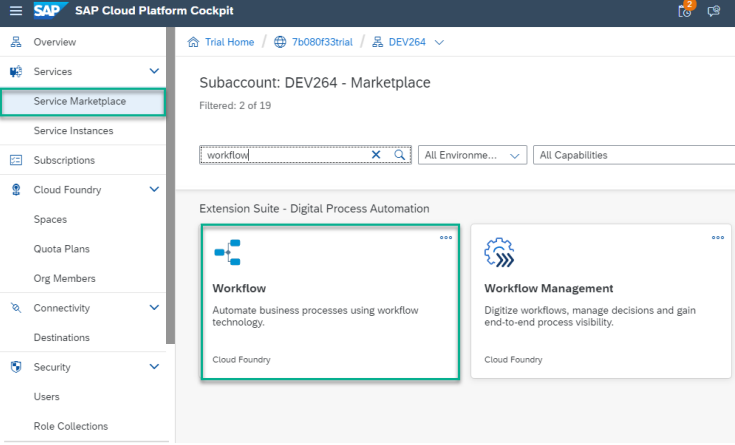
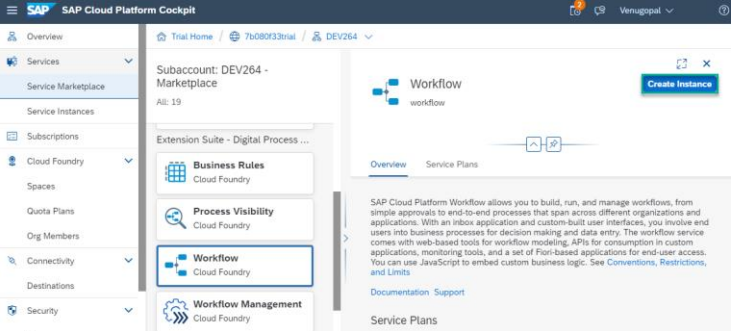
Prerequisite

Please make sure you have an SAP Cloud Platform trial account **without** have subscription to Cloud Platform Workflow, SAP Intelligent Robotic Process Automation.

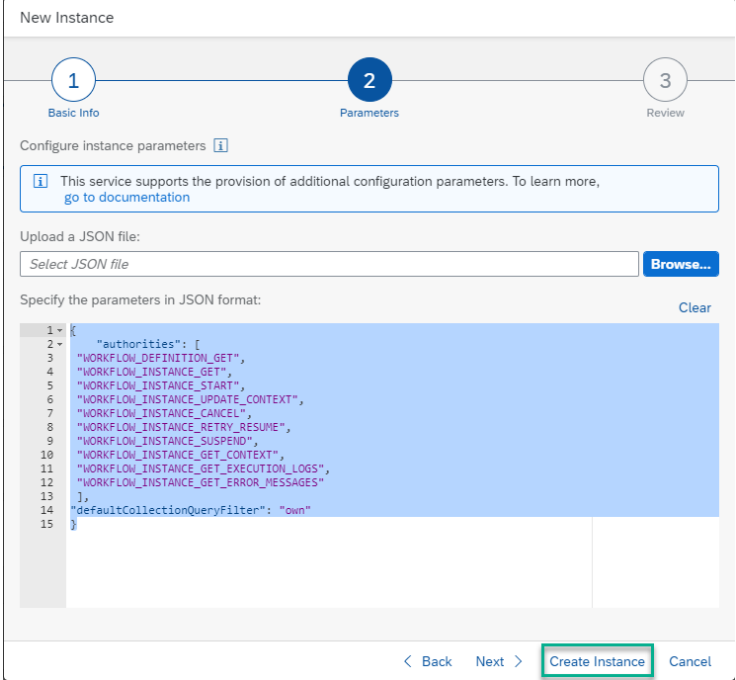
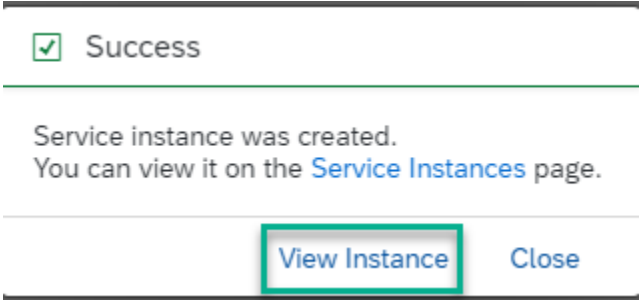
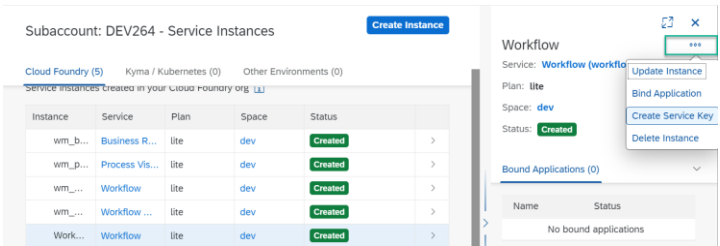
SUBSCRIBE AND CREATE WORKFLOW SERVICE INSTANCE

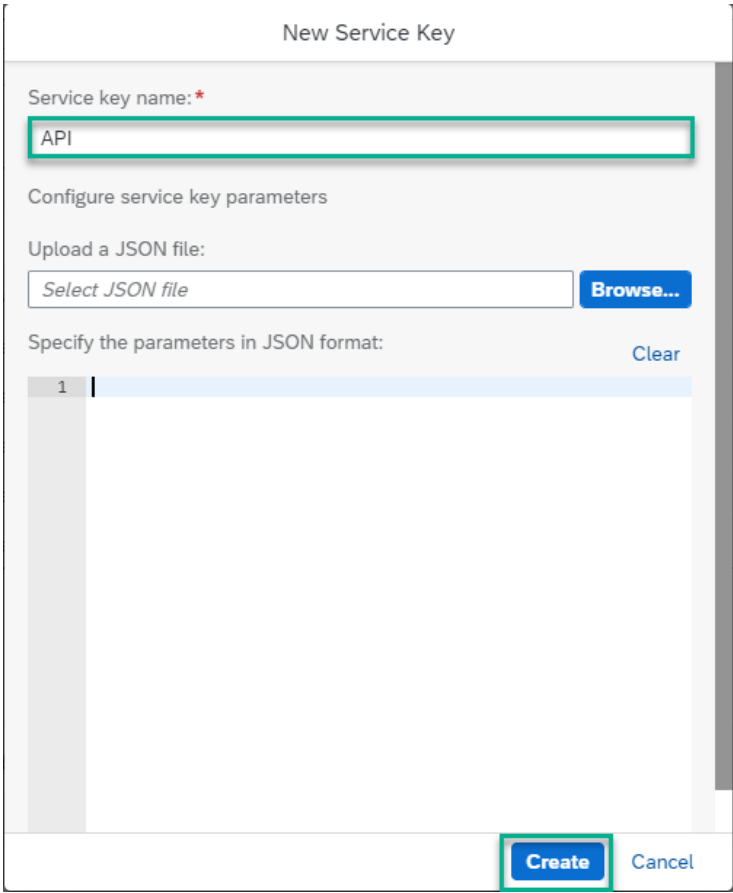
Explanation	Screenshot
<div>1. Copy and paste the url to access your SAP Cloud Platform Trial landscape.</div> <div>2. Click Enter Your Trial Account</div> <div>If you have not yet created a Cloud Platform trial account, Register for a free trial account.</div>	
<div>3. Click Boosters to setup Workflow Management in your trial account. If you have already subscribed Workflow Management, skip this step.</div> <div>4. Search Workflow, select Setup account for Workflow Management and click Start.</div>	

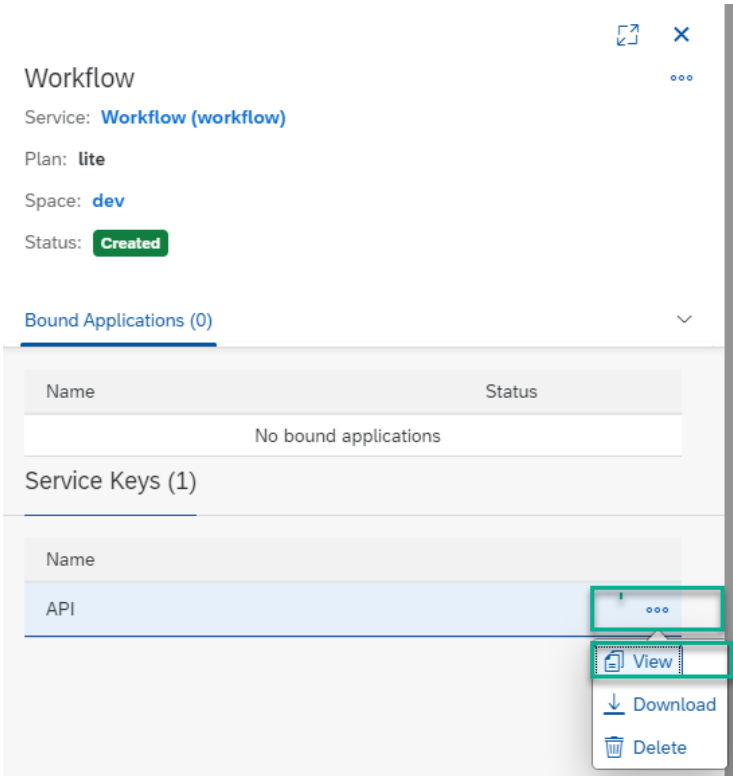
Explanation	Screenshot
<div>5. Select your Subaccount, Space and click Finish button.</div> <div>This will take couple of minutes to complete. The booster does the following tasks.</div> <div><ul style="list-style-type: none">• Creating Space if required.• Subscribing services and applications.• Creating Service Instances.• Creating Destination• Assigning Role Collection</div>	<div></div> <div></div>

Explanation	Screenshot
<p>6. Successful completion of the Booster will show the message and click Close button.</p>	 <p>A success message window titled "Success" with a green checkmark icon. The text inside reads: "Booster executed successfully", "Your subaccount is ready for Workflow Management.", and a link "Navigate to Subaccount". Below this, it says "Open Workflow Management launchpad to access workflow, business rules, process visibility, and process flexibility applications." followed by a link "Go to Application". Then, "Explore and learn more about our services" with a link "SAP Cloud Platform Extension Suite", "Explore customer use cases with guidance on what you need to get started" with a link "Use Cases for Digital Process Automation", and "Explore a breadth of helpful resources, including documents, videos, solution briefs, and more." with a link "Resources for Digital Process Automation". A "Close" button is at the bottom right.</p>
<p>7. Select Service Market Place and search Workflow.</p> <p>8. Select Workflow tile.</p>	 <p>A screenshot of the SAP Cloud Platform Cockpit interface. The left sidebar shows the "Service Marketplace" selected. The main area displays "Subaccount: DEV264 - Marketplace" with a search bar containing "workflow". Below the search bar, there are two tiles: "Workflow" (highlighted with a green box) and "Workflow Management". The "Workflow" tile description says "Automate business processes using workflow technology." and "Cloud Foundry".</p>
<p>9. Select Workflow → click Create Instance</p>	 <p>A screenshot of the SAP Cloud Platform Cockpit interface showing the "Workflow" tile selected. The "Create Instance" button is highlighted with a green box. The main area displays "Subaccount: DEV264 - Marketplace" with a search bar containing "workflow". Below the search bar, there are two tiles: "Workflow" (highlighted with a green box) and "Workflow Management". The "Workflow" tile description says "Automate business processes using workflow technology." and "Cloud Foundry".</p>

Explanation	Screenshot
10. Enter Instance Name: Workflow 11. Click Next .	<p>The screenshot shows the 'New Instance' wizard, Step 1: Basic Info. The form includes the following fields and values:</p> <ul style="list-style-type: none">Service: WorkflowService Plan: liteRuntime Environment: Cloud FoundrySpace: devInstance Name: Workflow <p>The 'Next >' button is highlighted with a green box, indicating the next step in the process.</p>

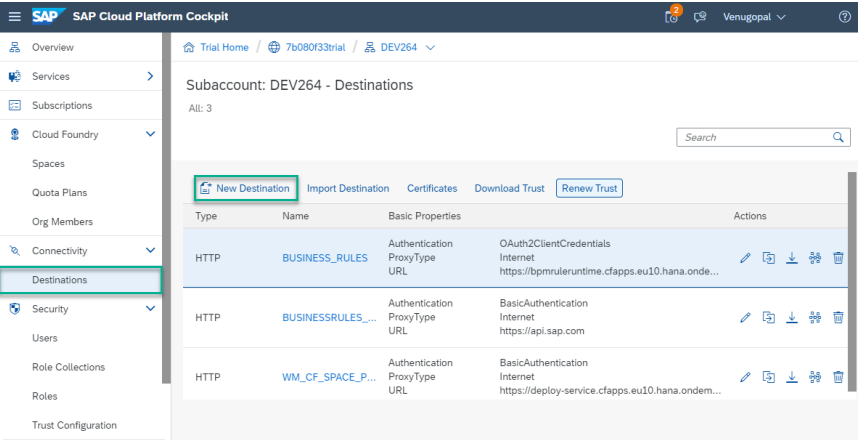
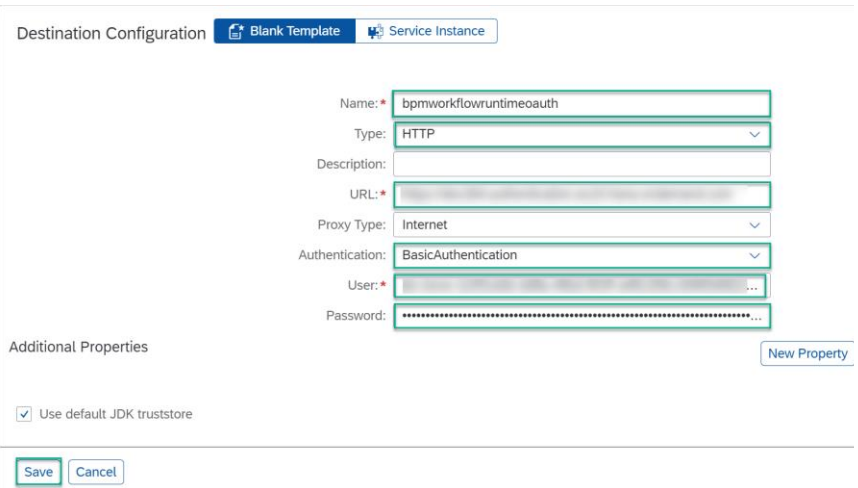
Explanation	Screenshot
<p>12. Replace the JSON content with the below content.</p> <pre>{ "authorities": ["WORKFLOW_DEFINITION_GET", "WORKFLOW_INSTANCE_GET", "WORKFLOW_INSTANCE_START", "WORKFLOW_INSTANCE_UPDATE_CONTEXT", "WORKFLOW_INSTANCE_CANCEL", "WORKFLOW_INSTANCE_RETRY_RESUME", "WORKFLOW_INSTANCE_SUSPEND", "WORKFLOW_INSTANCE_GET_CONTEXT", "WORKFLOW_INSTANCE_GET_EXECUTION_LOGS", "WORKFLOW_INSTANCE_GET_ERROR_MESSAGES"], "defaultCollectionQueryFilter": "own" }</pre> <p>You can copy the JSON from the attached file to avoid invalid characters.</p> <p><i>The authorities array contains the required scopes or authorization to call Workflow Service APIs.</i></p>	
<p>13. Successful creation of the service instance will show the message.</p> <p>14. Click View Instance button.</p>	
<p>15. Click the three dots (...) and select Create Service Key.</p>	

Explanation	Screenshot
<p>16. Enter Service key name as "API".</p> <p>17. Click Create button.</p>	 <p>The screenshot shows a 'New Service Key' dialog box. The 'Service key name' field is highlighted with a green border and contains the text 'API'. Below it, there is a section for 'Configure service key parameters' with an 'Upload a JSON file' section containing a 'Select JSON file' button and a 'Browse...' button. Below that is a 'Specify the parameters in JSON format' section with a 'Clear' button and a large text area. At the bottom right, the 'Create' button is highlighted with a green border, next to a 'Cancel' button.</p>

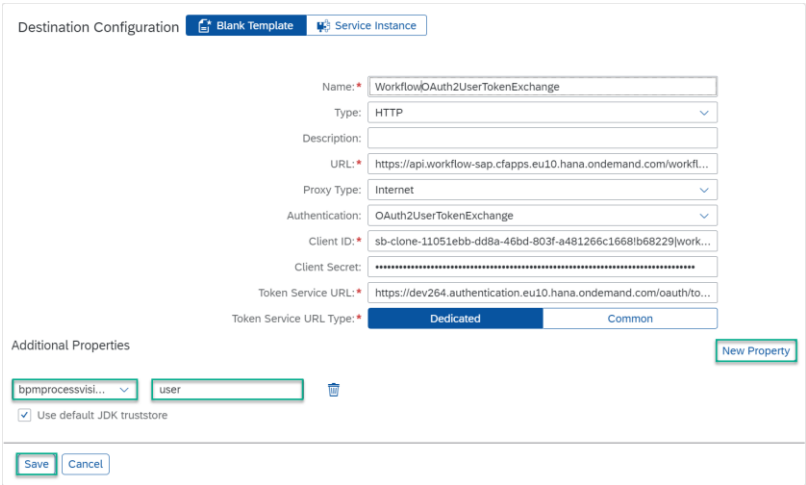
Explanation	Screenshot
18. Click the three dots (...) and select View .	

Explanation	Screenshot
<div>19. The Service Key is displayed in a popup window.</div> <div>20. Copy the values of workflow_rest_url under endpoints json element and keep in a notepad.</div> <div>21. Copy the values of, clientid, clientsecret and url under the uaa json element and keep in a notepad.</div> <div><i>It is used while creating a destination to call Workflow APIs in the next section.</i></div>	<div>API</div> <div><pre>sap.cfapps.eu10.hana.ondemand.com/workflow-service/odata", "workflow_rest_url": "https://api.workflow- sap.cfapps.eu10.hana.ondemand.com/workflow-service/rest" }, "html5-apps-repo": { "app_host_id": " }, "portal_content_provider": { "instance_id": " "}, "uaa": { "tenantmode": "dedicated", "sbnrl": "https://internal- xsuaa.authentication.eu10.hana.ondemand.com", "subaccountid": " ", "clientid": " ", "xsappname": " ", "clientsecret": " ", "url": " ", "uaadomain": "authentication.eu10.hana.ondemand.com", "verificationkey": "-----BEGIN PUBLIC KEY----- "</pre></div> <div>OK</div>

CREATE WORKFLOW OAUTH DESTINATIONS

Explanation	Screenshot
<p>22. Select Destinations →New Destination.</p>	
<p>23. Enter the following in the new destination.</p> <p>Name:bpmworkflowruntimeoauth</p> <p>Type:HTTP</p> <p>URL: copy the value of url from previous step.</p> <p>Proxy Type: Internet</p> <p>Authentication:BasicAuthentication</p> <p>User: copy the value of clientid from previous step.</p> <p>Password: copy the value of secret from previous step.</p>	
<p>24. Click Save button.</p> <p>Please refer create an OAuth Destination section of Workflow help for more details.</p>	

Explanation	Screenshot
<p>25. Select Destinations → New Destination.</p>	
<p>26. Enter the following in the new destination.</p> <p>Name: WorkflowOAuth2Clientcredentials</p> <p>Type: HTTP</p> <p>URL: copy the value of workflow_rest_url from previous step.</p> <p>Proxy Type: Internet</p> <p>Authentication: OAuth2ClientCredentials</p> <p>Client ID: copy the value of clientid from previous step.</p> <p>Client Secret: copy the value of secret from previous step.</p> <p>Token Service URL: Copy the value of URL from previous step. Add /oauth/token at the end of the url.</p>	
<p>27. Click New Property.</p> <p>28. Under Additional Properties, add a property bpmprocessvisibility.triggerWorkflow</p> <p>29. Enter value as system</p> <p>30. Click Save button.</p> <p>Please refer technical authentication section of Workflow help for more details.</p>	

Explanation	Screenshot
<p>31. Enter the following in the new destination.</p> <p>Name: WorkflowOAuth2UserTokenExchange</p> <p>Type: HTTP</p> <p>URL: copy the value of workflow_rest_url from previous step.</p> <p>Proxy Type: Internet</p> <p>Authentication: OAuth2UserTokenExchange</p> <p>Client ID: copy the value of clientid from previous step.</p> <p>Client Secret: copy the value of secret from previous step.</p> <p>Token Service URL: Copy the value of URL from previous step. Add /oauth/token at the end of the url.</p> <p>32. Click New Property.</p> <p>33. Under Additional Properties, add a property bpmprocessvisibility.triggerWorkflow</p> <p>34. Enter value as user</p> <p>35. Click Save button.</p> <p>Please refer OAuth User Token Exchange section of Workflow help for more details.</p>	

SUMMARY

You have completed the trial setup and continue the next exercise – Model Workflow.

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