PUBLIC

Deep dive into SAP Cloud Platform Workflow Management –Modularize Workflow steps using Reference Subflow

DEV-264

Exercises / Solutions Venugopal Chembrakalathil / SAP SE



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SAP Cloud Platform Workflow enables developers to modularize and reuse workflows using Reference Sub flow feature. It is a standard concept in BPMN and helps reusability of workflow steps in business process applications.

REFERENCE SUBFLOW

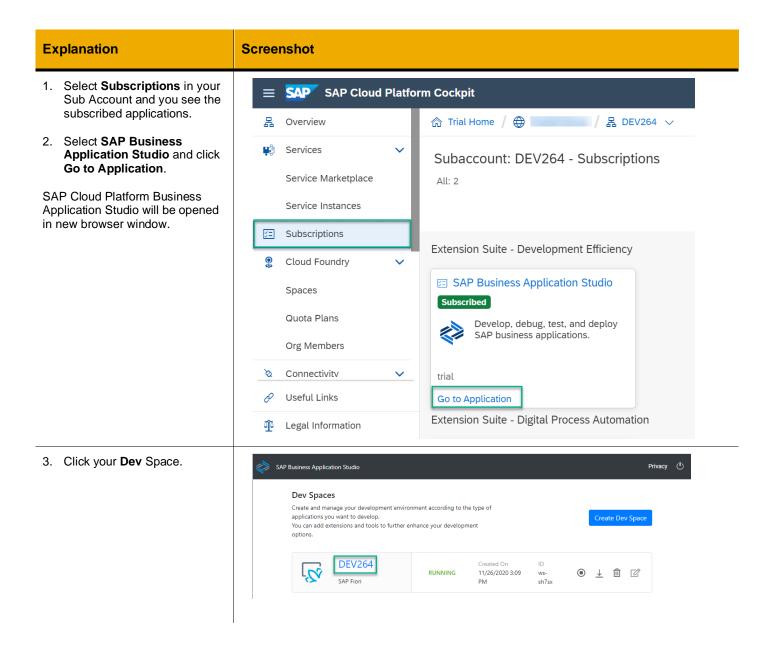
Reference Subflow is a workflow model and it can be referenced from another workflow model. A developer needs to model input and output mapping while adding reference subflow. The parent workflow wait until the Referenced Workflow has completed. Please see <u>SAP Cloud Platform Workflow</u> help to see more about Reference Subflow.

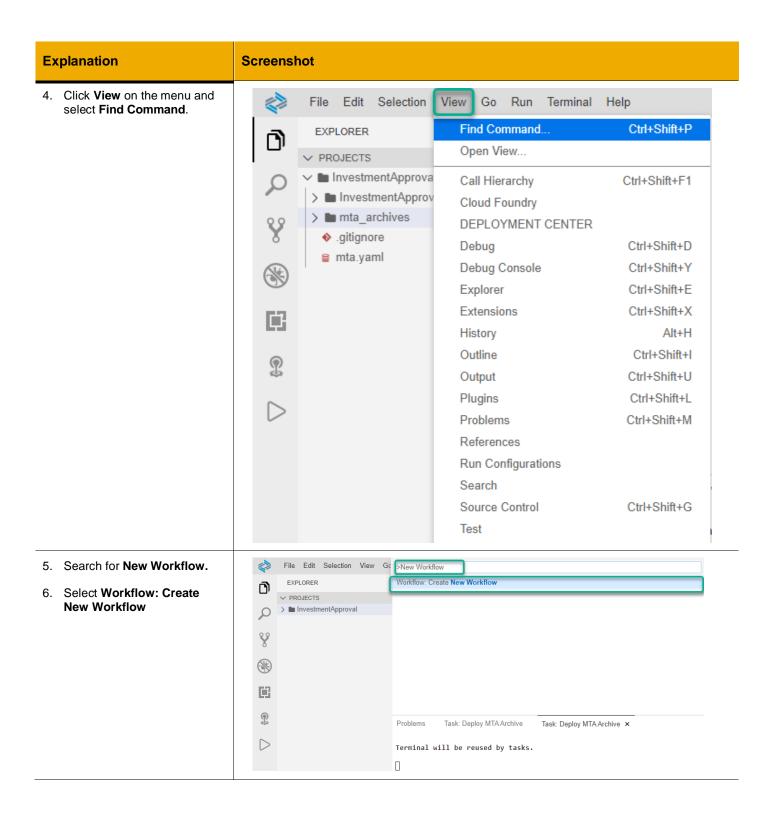
Scenario

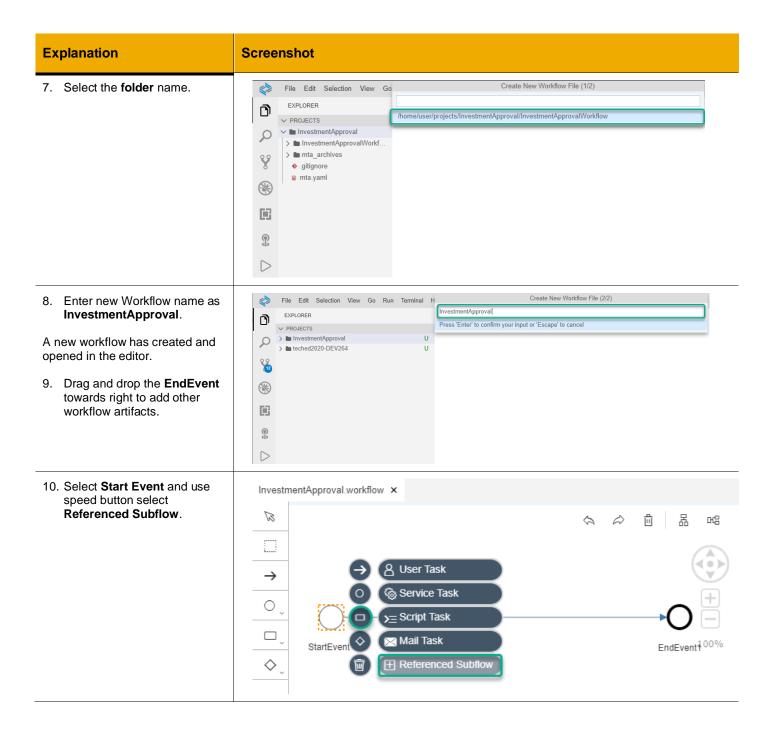
In Exercise 1 you have developed a Cost Center Owner Approval Workflow. You can reuse this model to have multiple cost center owner approvals in an Investment approval use case.

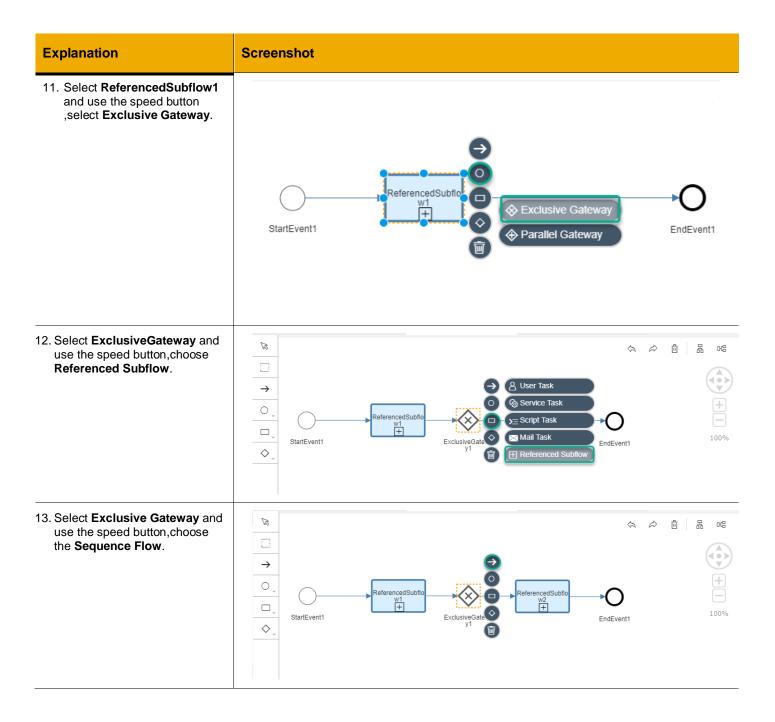
Prerequisite

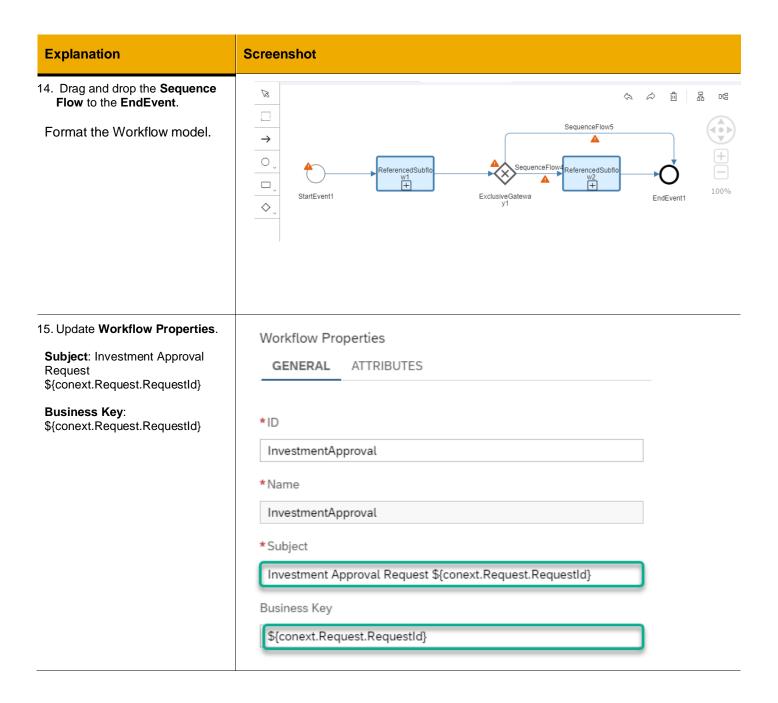
You have completed exercise 1 – Model Investment Approval Workflow

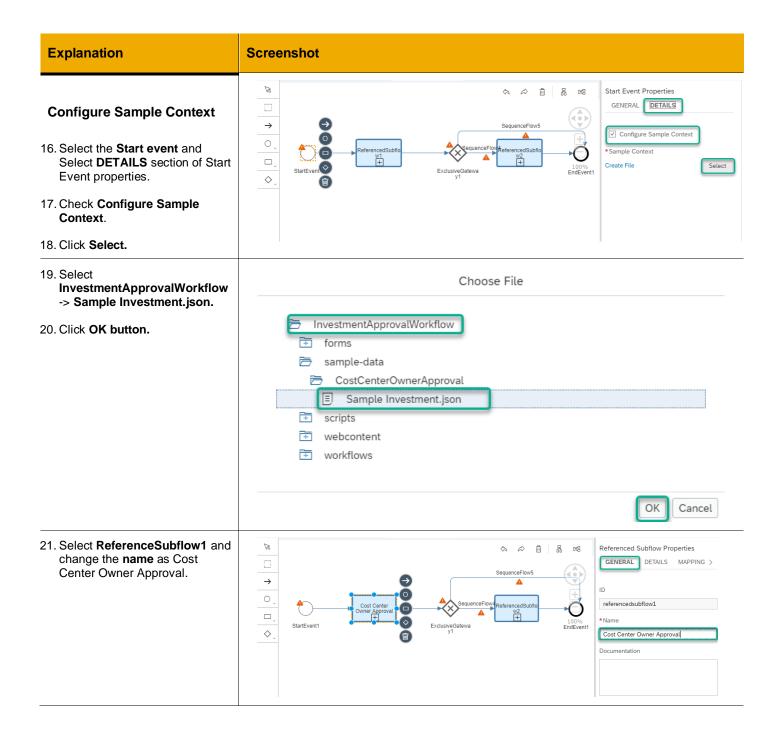


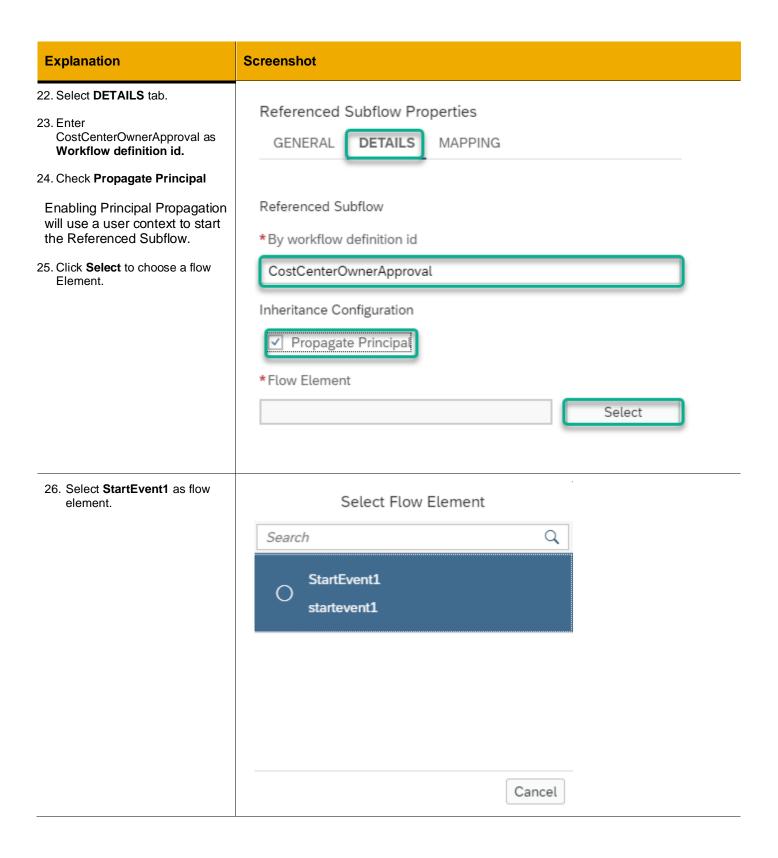




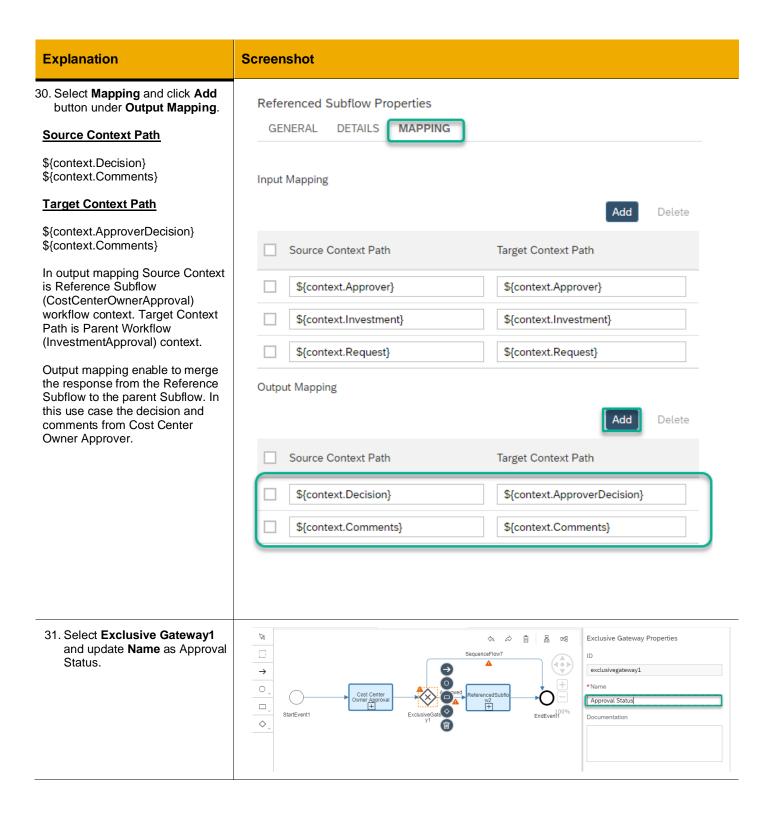


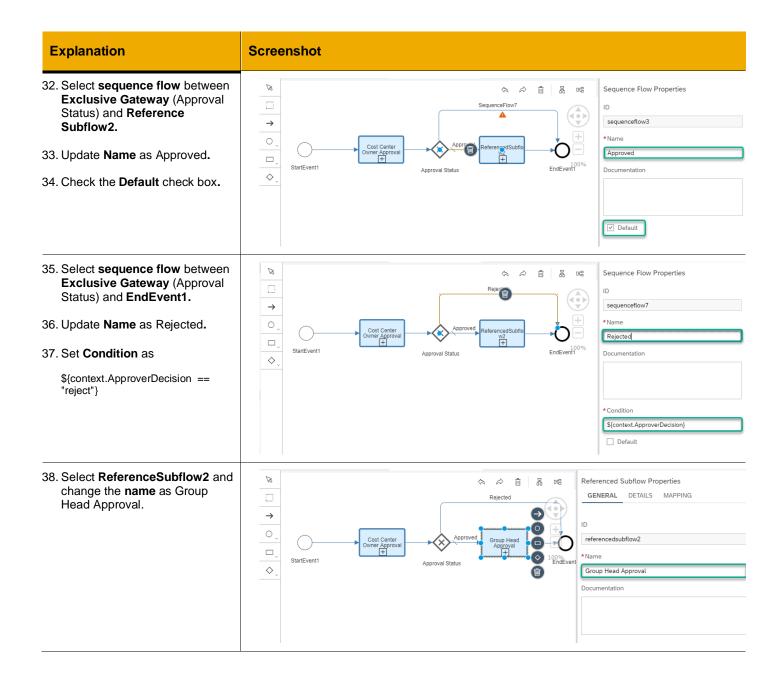


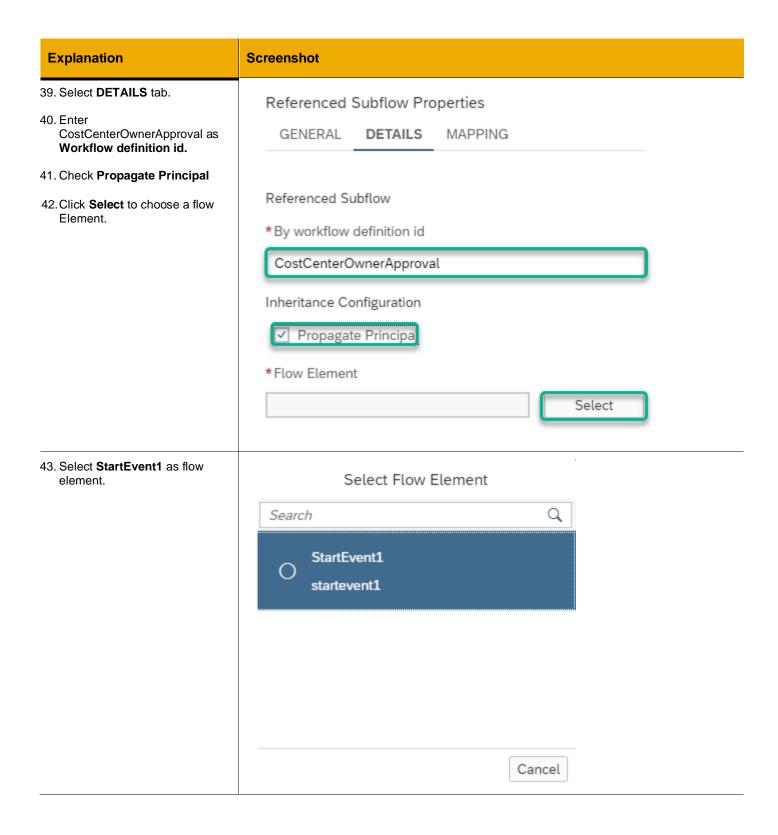


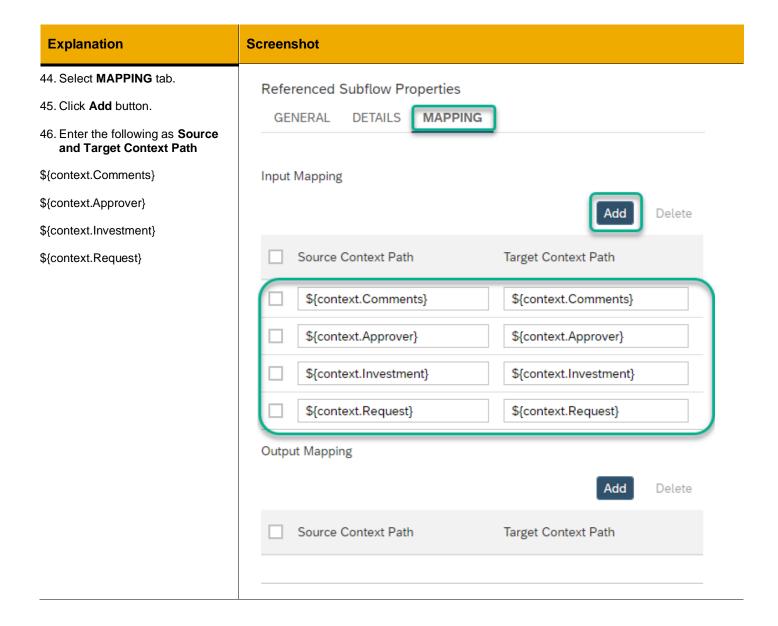


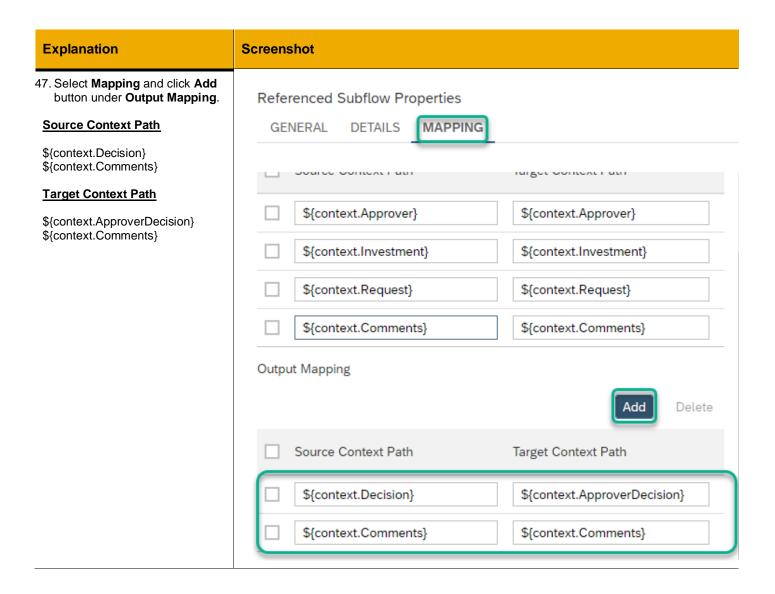
Explanation	Screenshot	
7. Select MAPPING tab.	Referenced Subflow Properties	
8. Click Add button.	•	
9. Enter the following as Source and Target Context Path	GENERAL DETAILS MAPPING	
(context.Approver)	Input Mapping	
(context.Investment)		
context.Request}	Add Delete	
out Mapping define the input data ucture needs to pass from the rent workflow vestmentApproval) context to	Source Context Path Target Context Path	
ild or Reference Subflow ostCenterOwnerApproval) as art payload.	\$\text{context.Approver} \tag{context.Approver}	
oth InvestmentApproval and	\$\text{context.Investment}\$\$ \$\{\text{context.Investment}\}\$	
estCenterOwnerApproval orkflow have the same JSON ements as workflow context.	\$\text{context.Request}\$\$ \$\{\text{context.Request}\}\$\$	
nce, we use the same in source d target context path. It is ssible to have different context ments in source and target ntext path.		





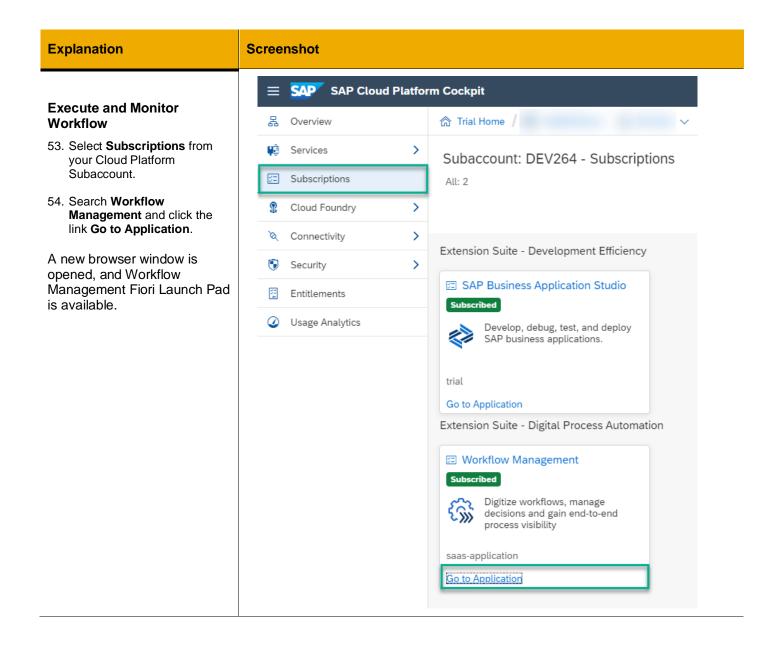


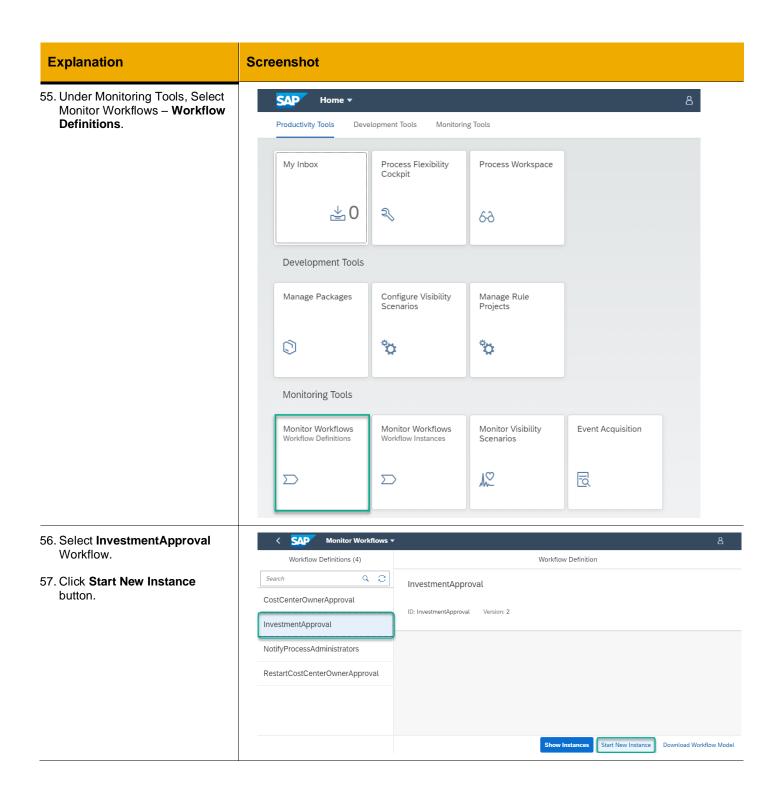


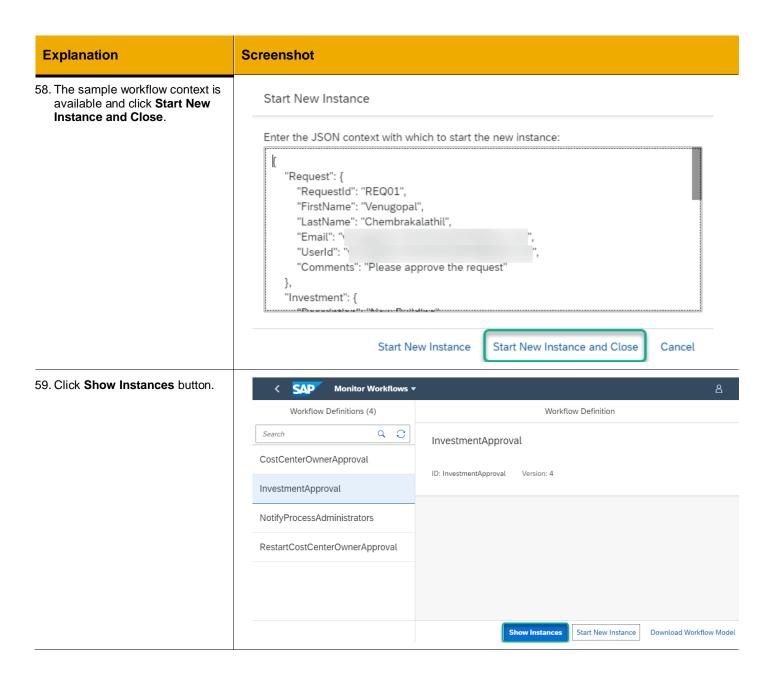


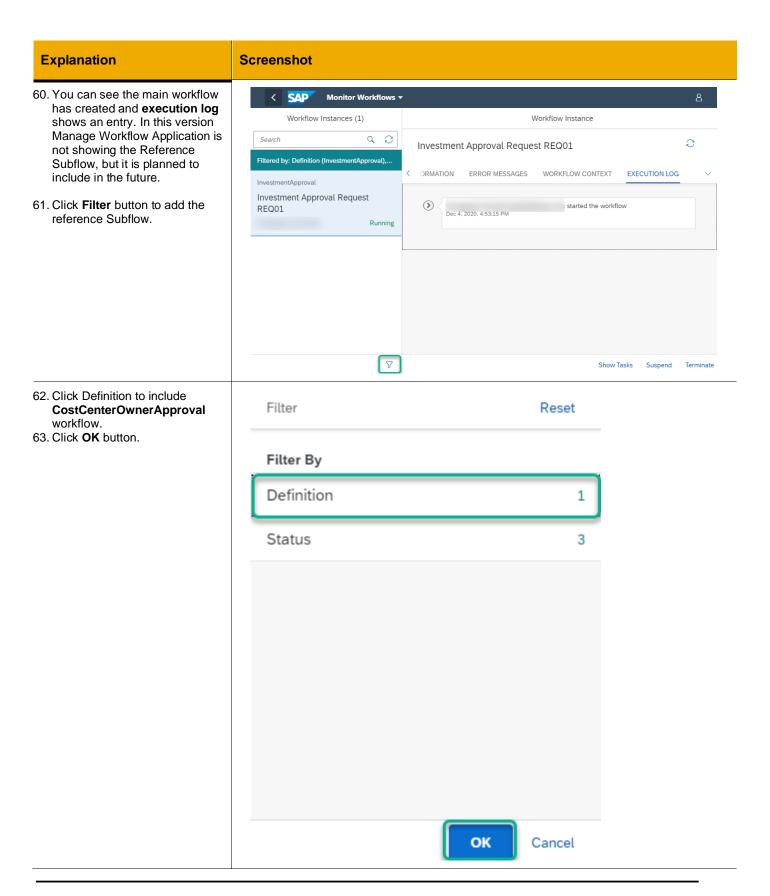
Explanation Screenshot File Edit Selection View Go Run Terminal Help **Build and Deploy** EXPLORER Create MTA Module from Template 48. Right click on mta.yaml file. ✓ INVESTME **Build MTA** ✓ Investr 49. Select Build MTA. New File Alt+N forms New Folder This will start the MTA build and it V Cos may take a few seconds to create Open Cos the mta archive under the folder Open With > In Noti mta_archives. > Res Open in Terminal V 🖿 samp Compare With... V 🖿 Cos Select for Compare Sar ✓ ■ script Find in Folder V Cos History na mai Ctrl+C Copy > Res Paste > 🖿 webc Copy Path Alt+Shift+C workf Cost Copy Relative Path Ctrl+K, Ctrl+Shift+C Inves Copy Download Link Notif Download Rest V 🖿 mta ar Delete Delete Invest Duplicate gitignor F2 mta.yar₁₁

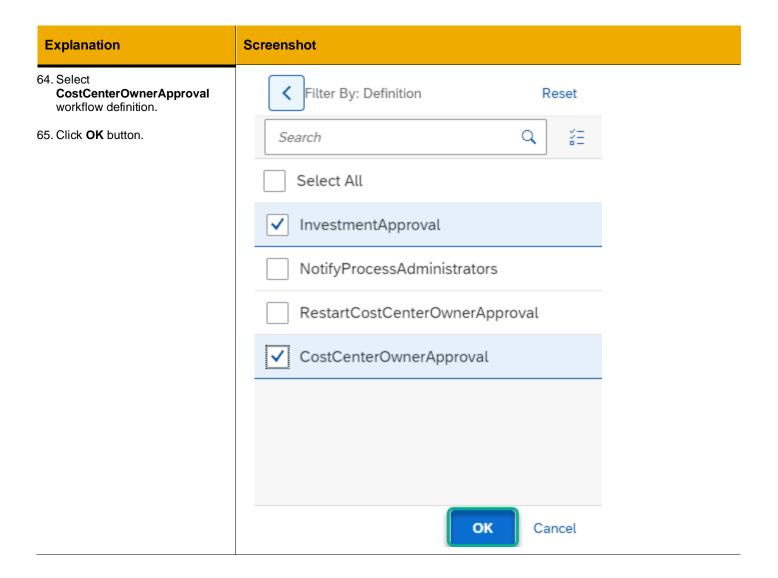
Explanation Screenshot 50. Successful build will create a File Edit Selection View Go Run Terminal Help new folder mta archives and a .mtar file. **EXPLORER** 51. Select the .mtar file and right ∨ PROJECTS click. ✓ ■ InvestmentApproval > InvestmentApprovalWorkflow 52. Click Deploy MTA Archive. mta_archives InvestmentApproval Deploy MTA Archive gitignore New File Alt+N ■ mta.yaml New Folder Open Open With Open in Terminal Select for Compare Find in Folder Сору Ctrl+C Paste Copy Path Alt+Shift+C Copy Relative Path Ctrl+K, Ctrl+Shift+C Copy Download Link Download Delete Delete Duplicate Rename F2

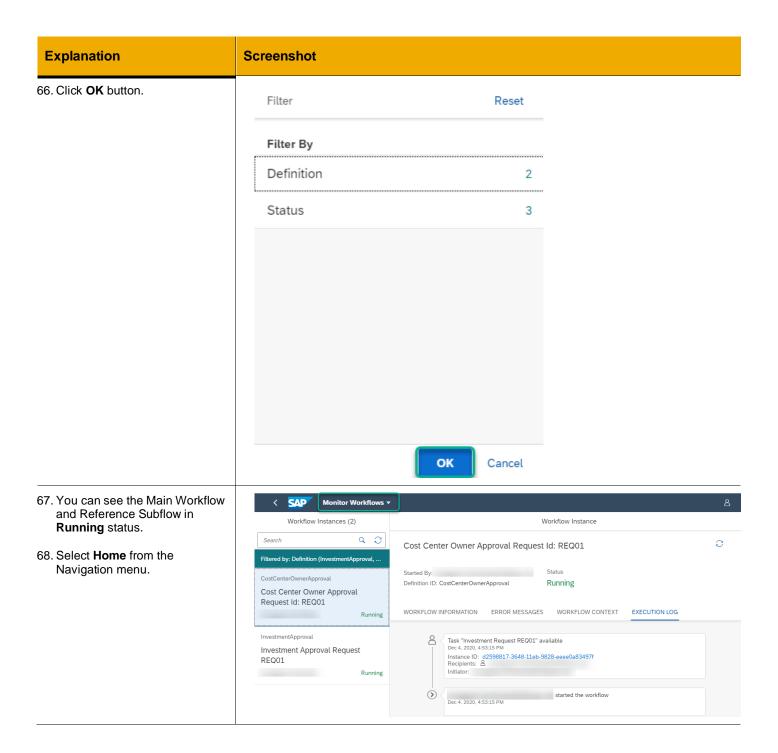


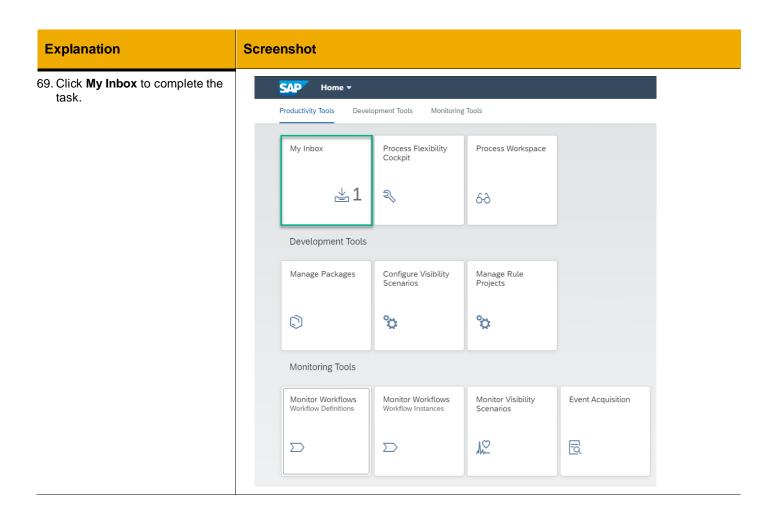


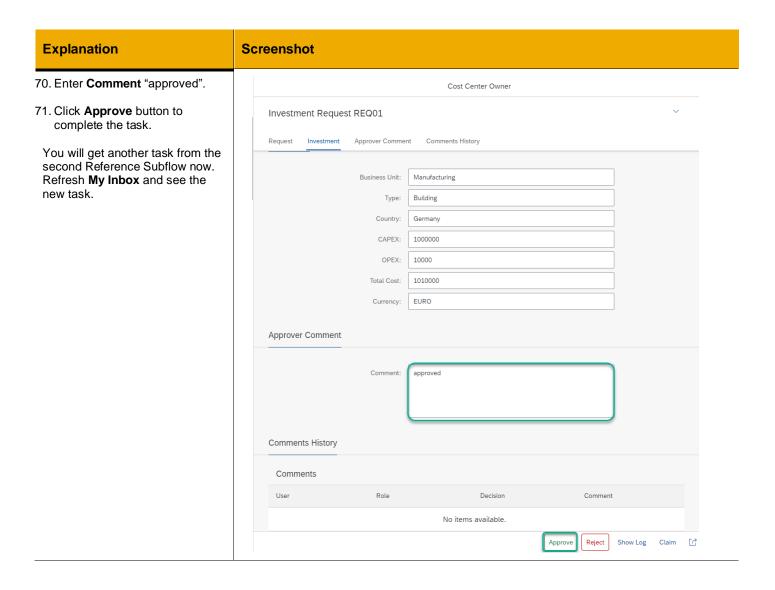


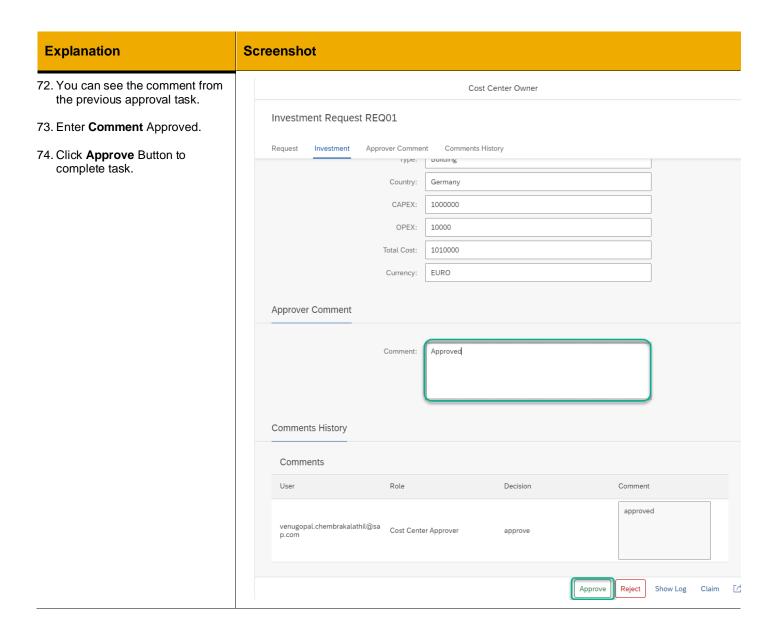


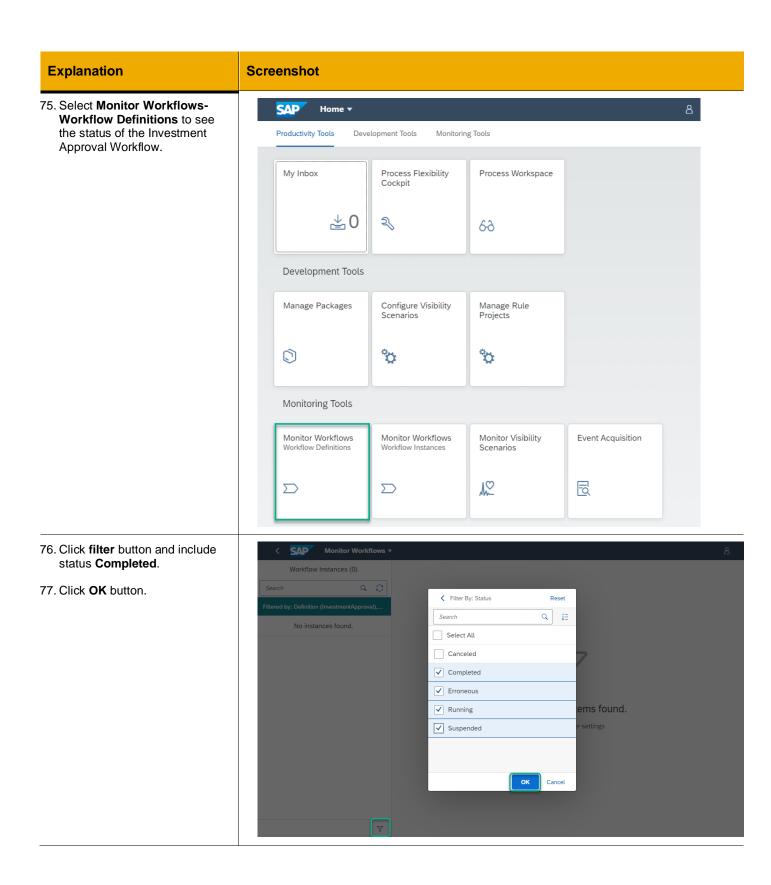


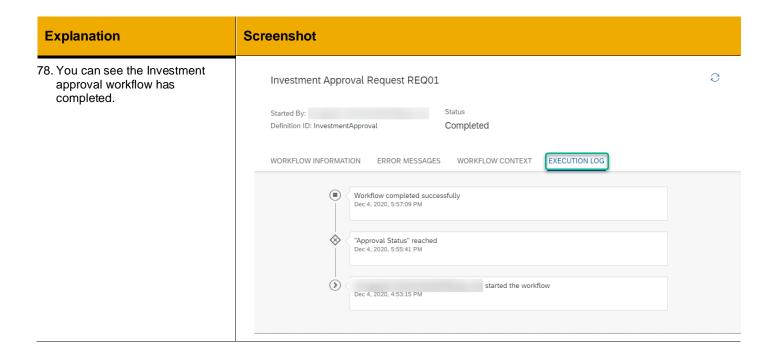












Summary

In this Exercise you have reused a workflow for multiple approvals using Reference Subflow feature. Please see SAP Cloud Platform Workflow help to see more about Reference Subflow.

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