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Deep dive into SAP Cloud Platform Workflow Management – Gain Real time Process VisibilityDEV-264

Exercises / Solutions Venugopal Chembrakalathil / SAP SE

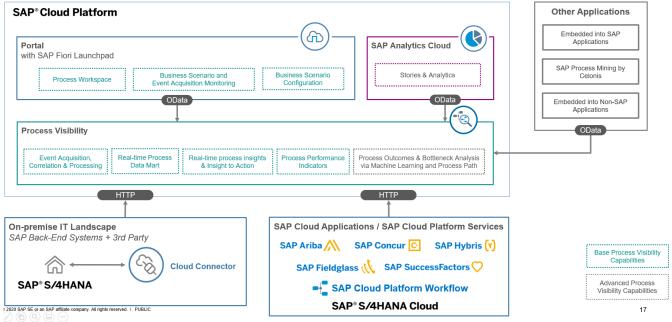


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SUMMARY	

SAP Cloud Platform Workflow Management has Process Visibility capability enable customers to gain real time visibility into their end to end business process including insight to actions. Process visibility provides out of the box visibility into SAP Cloud Planform Workflow, Processes executing in other transactional systems, integration with SAP Business Workflow and Qualtrics.

Process Visibility offers REST/oData APIs to consume transactional events from different Line of business applications. It is possible to consume process visibility scenario data and integrate with other solutions like SAP Analytics Cloud.



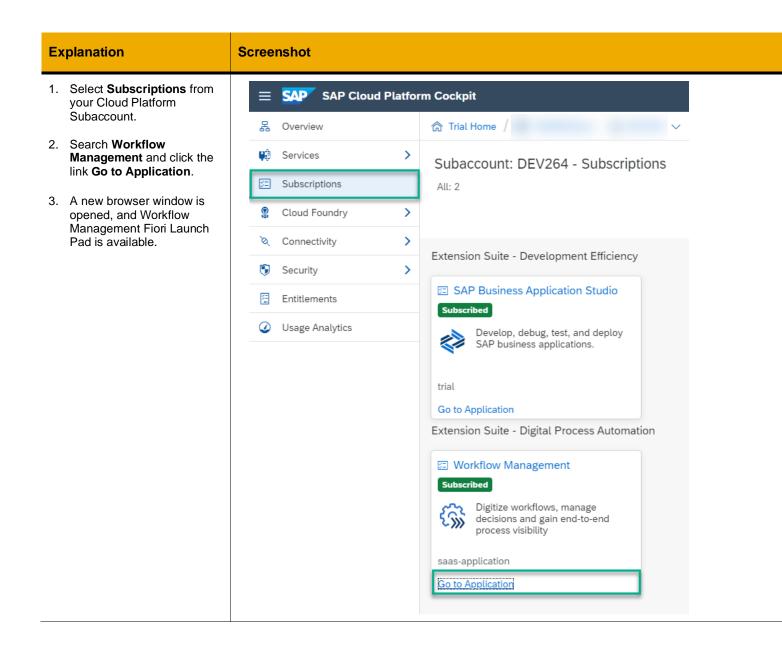
SCENARIO

In this guide you will create a process visibility scenario based on a Cloud Platform Workflow Model. You will learn the following in this exercise.

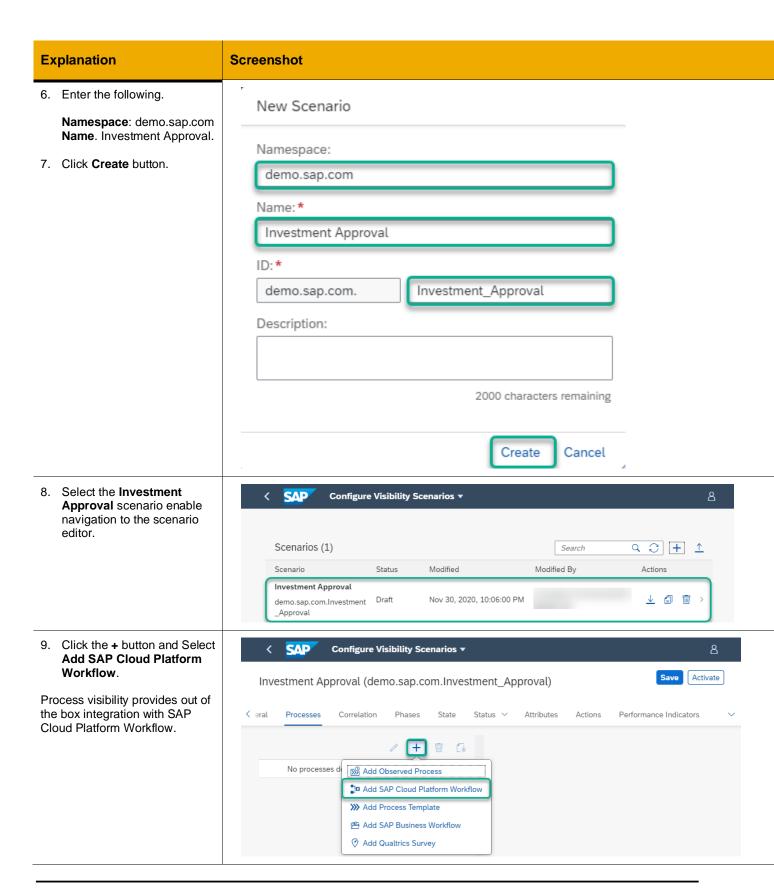
- Model Process visibility scenario
- · Configure Calculated attributes.
- Configure Insight to Actions.
- Configure Process Performance Indicators.
- Deploy and Consume the process visibility scenario.
- Process Workspace
- Trigger Actions

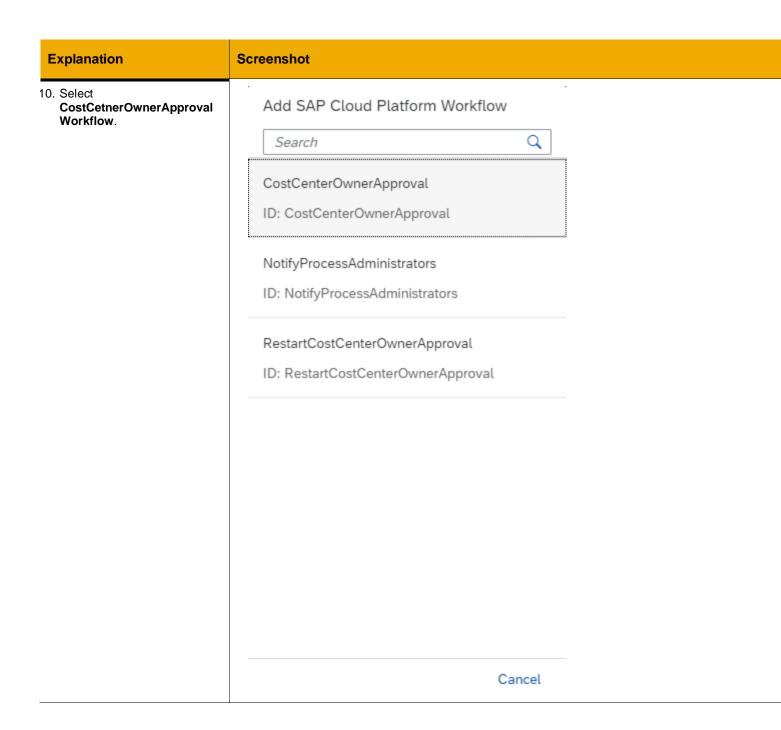
Prerequisite

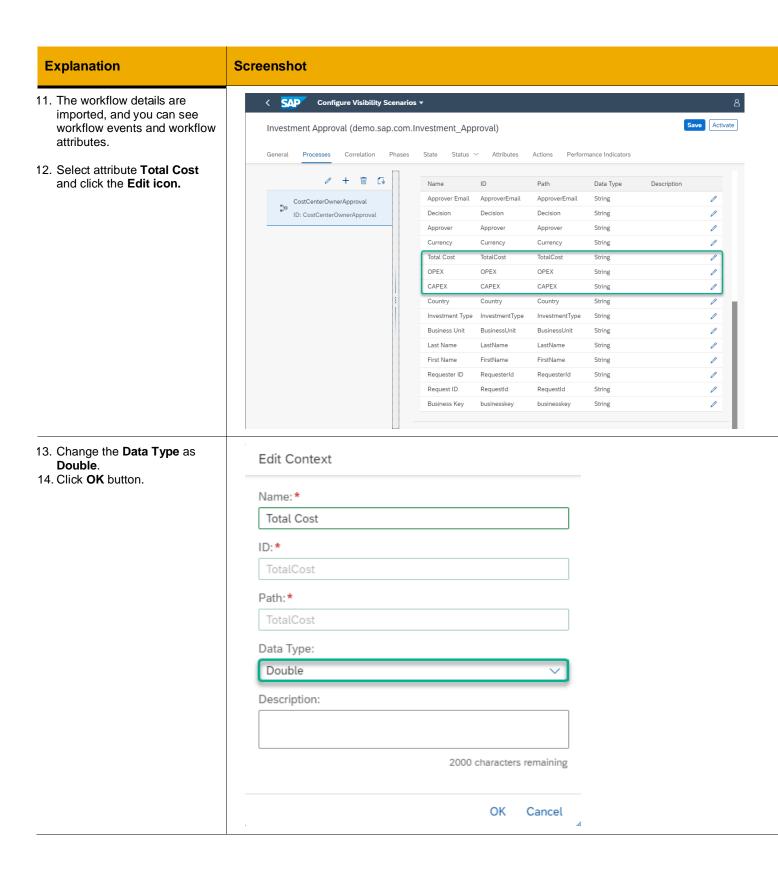
You must complete Model Investment Approval Workflow before starting this exercise.

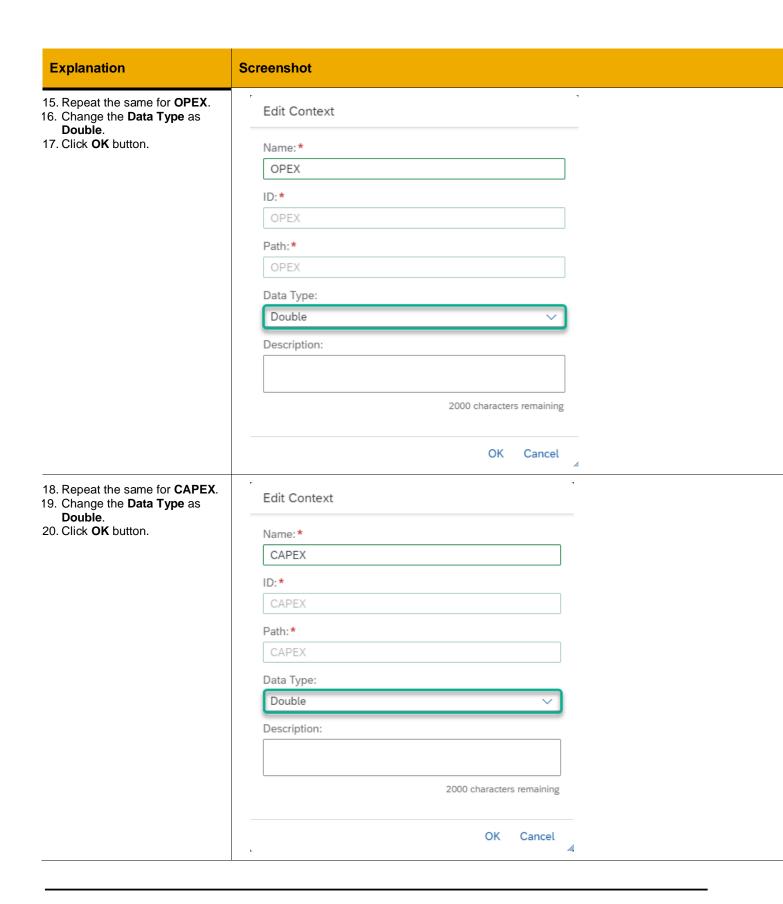


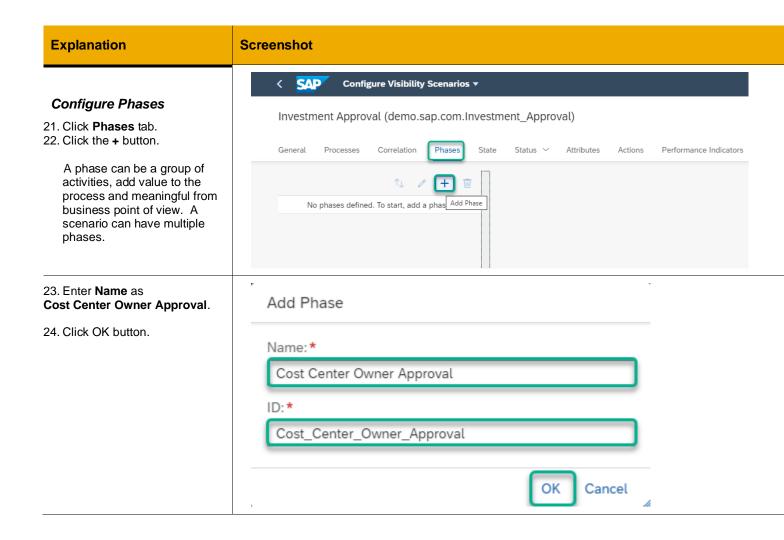
Explanation Screenshot SAP Home ▼ Create Scenario Productivity Tools Development Tools Monitoring Tools 4. Click Configure Visibility Scenarios. My Inbox Process Flexibility Process Workspace Cockpit Configure Visibility scenario enable you to create a new 2 process visibility scenario. **≟**4 68 **Development Tools** Manage Packages Configure Visibility Scenarios Manage Rule Projects Ö Ö Monitoring Tools Monitor Workflows Monitor Workflows Monitor Visibility Event Acquisition Workflow Definitions Scenarios Workflow Instances MO 튭 \sum \sum SAP Configure Visibility Scenarios ▼ 5. Click + button to create a new scenario. Scenarios (0) Search Scenario Status Modified Modified By No data

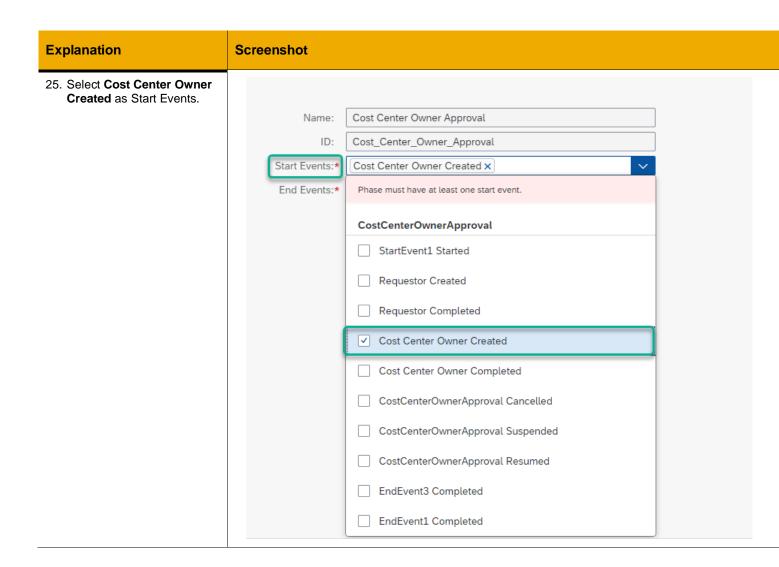


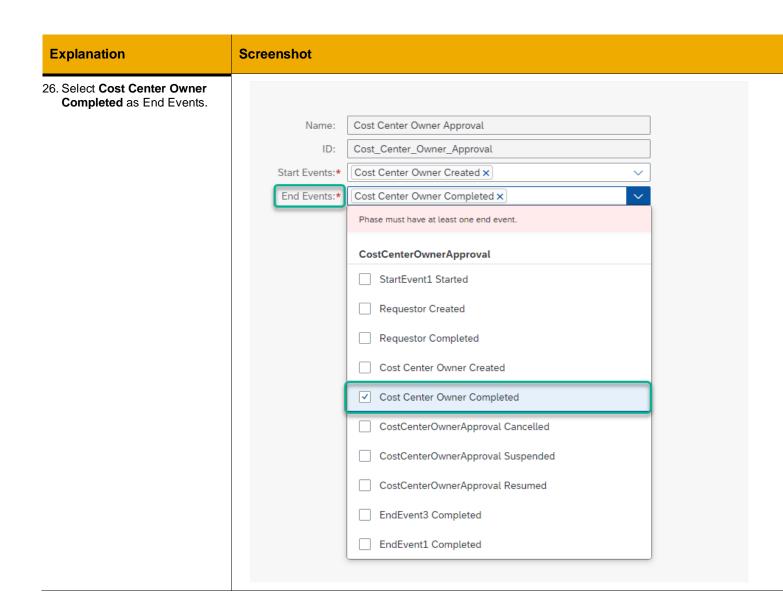




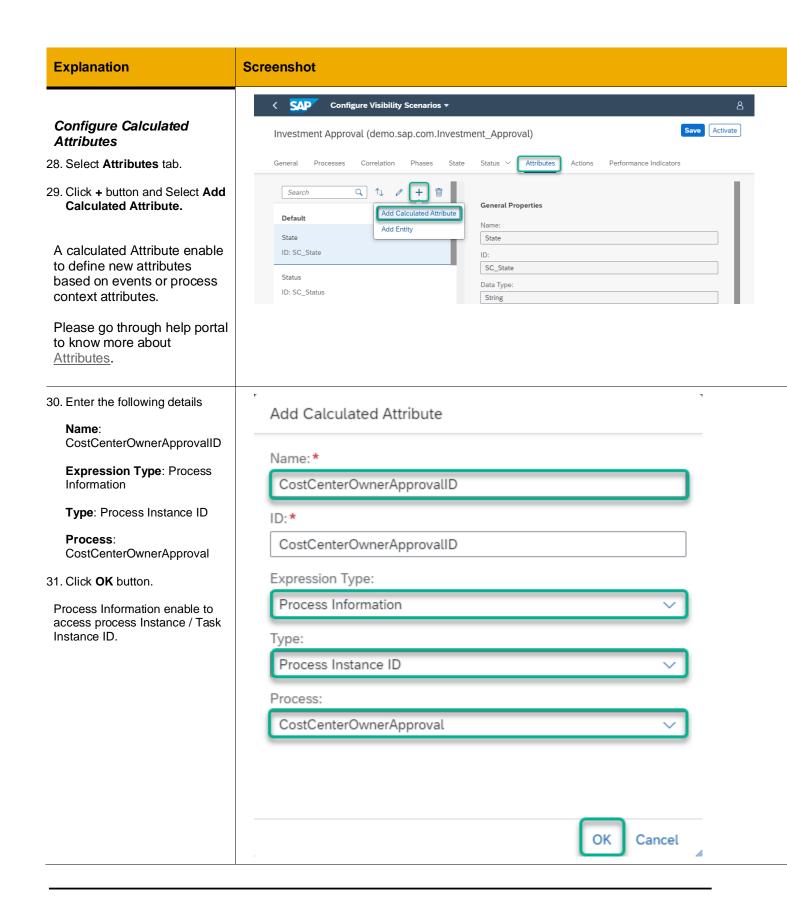


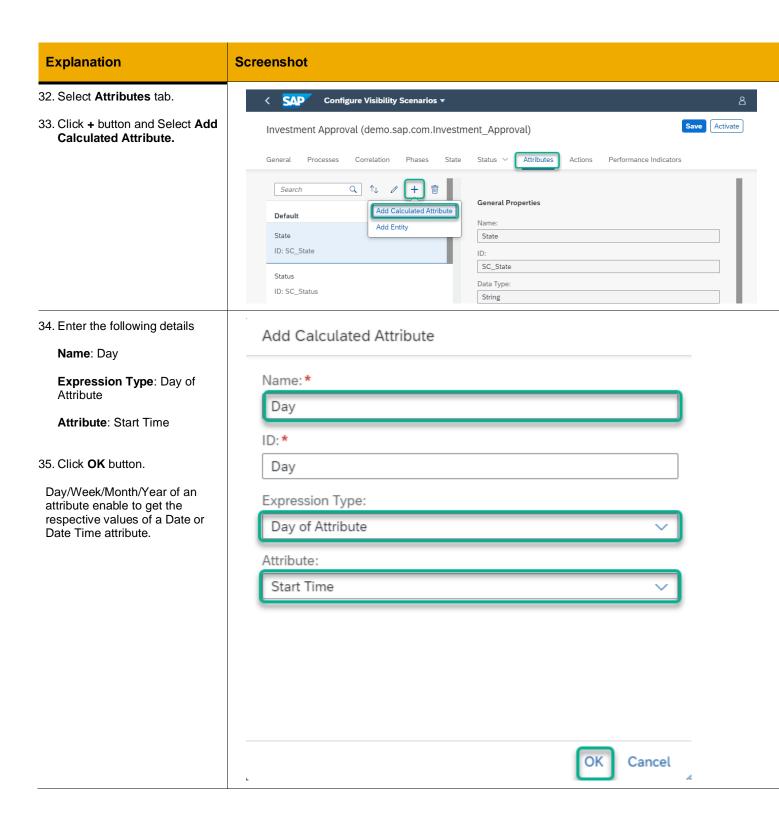


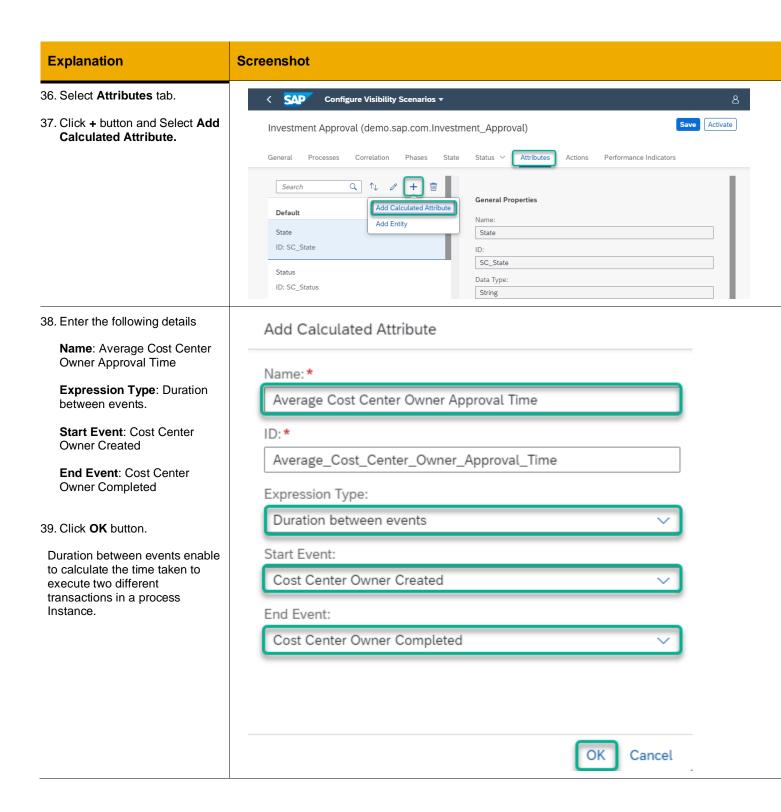


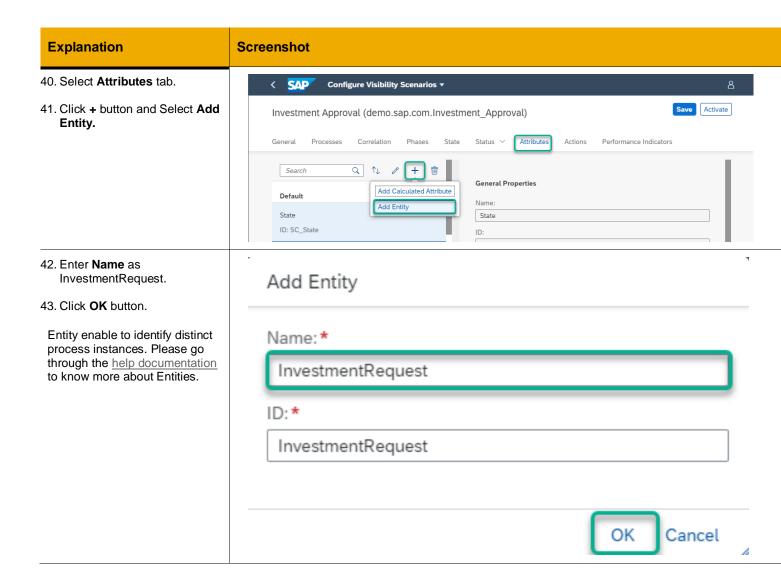


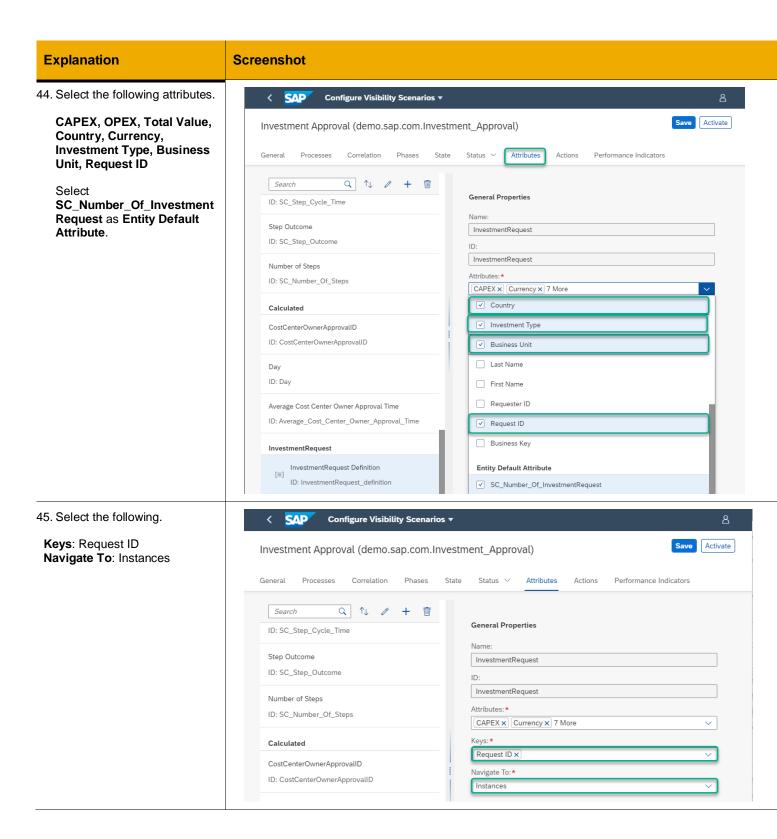
Explanation Screenshot 27. Select **Status** tab and set < SAP Configure Visibility Scenarios ▼ Target Value as 1 day. Save Activate Investment Approval (demo.sap.com.Investment_Approval) It is possible to configure the target a dynamic value using Processes Correlation Phases a date or datetime attribute. Target Target Type: Constant ____1 + Days ___ Target Value: 0 **+** Hrs -0 **+** Min 80 + % Threshold: Sub-Status Name: Critical ID: CRITICAL Workflow Failed Description: Status of the instance is critical when one of the sub-statuses defined evaluates to true. Workflow Suspended Overdue ✓ At Risk Threshold Violation ✓ On Track On Time Completed with violations Completed with time violations Completed without violations Completed

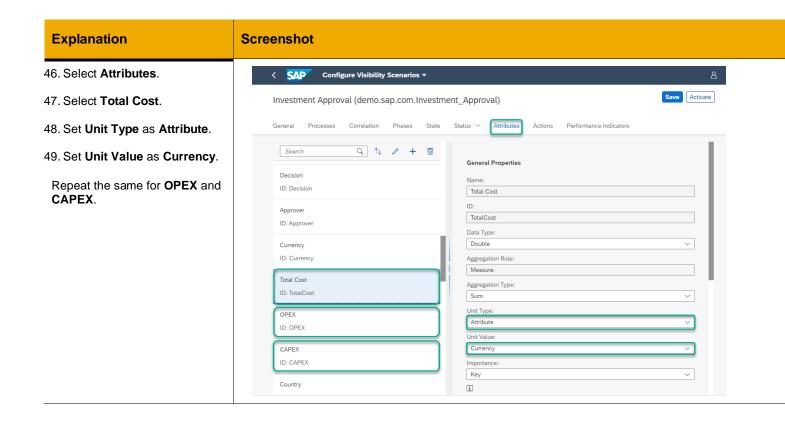




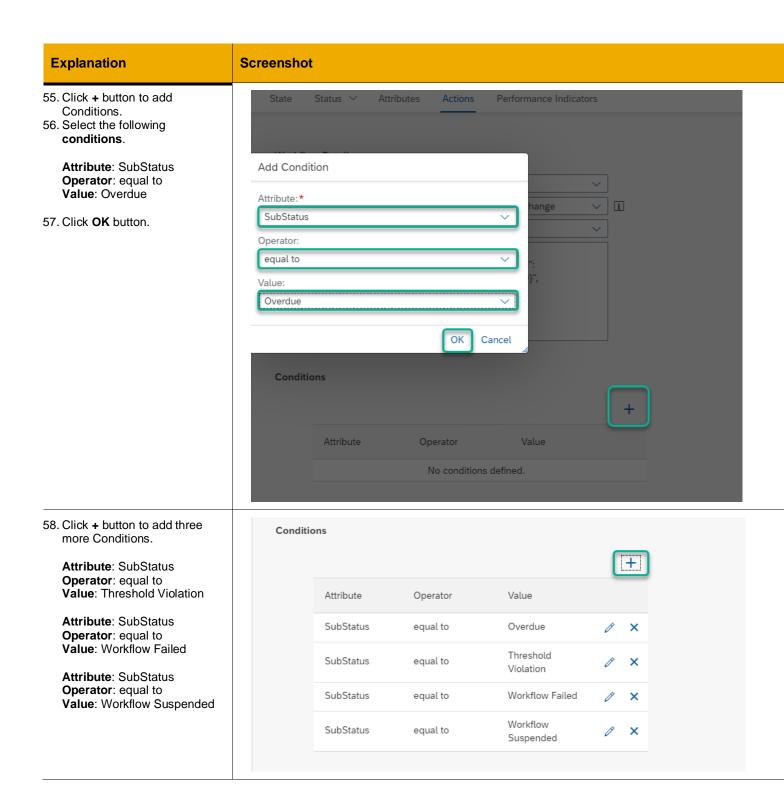


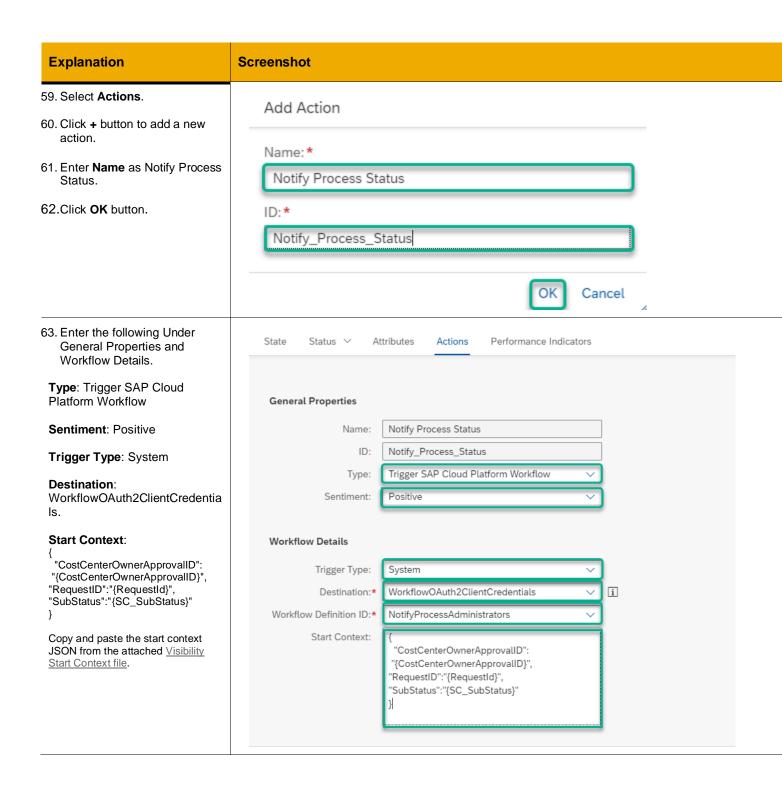






Explanation Screenshot SAP **Configure Actions** Investment Approval (demo.sap.com.Investment_Approval) 50. Select Actions. 51. Click + button to add a new action. Add Action 52. Enter Name Restart Approval Process. Restart Approval Process 53.Click **OK** button. Restart_Approval_Process Actions enable to configure workflows to manage Cancel process status changes. Please go through help portal to know more about Actions. 54. Enter the following Under State Attributes Status ~ Actions Performance Indicators General Properties and Workflow Details. Type: Trigger SAP Cloud **General Properties** Platform Workflow Restart Approval Process Name: Sentiment: Positive Restart_Approval_Process ID: Trigger SAP Cloud Platform Workflow Trigger Type: User Type: Positive Sentiment: Destination: WorkflowOAuth2UserTokenExc hange Workflow Details Start Context: Trigger Type: WorkflowOAuth2UserTokenExchange Destination:* "CostCenterOwnerApprovalID": "{CostCenterOwnerApprovalID}", Workflow Definition ID:* RestartCostCenterOwnerApproval "RequestID":"{RequestId}", "SubStatus":"{SC_SubStatus}" Start Context: "CostCenterOwnerApprovalID": "{CostCenterOwnerApprovalID}", Copy and paste the start context "RequestID":"{RequestId}", JSON from the attached Visibility "SubStatus":"{SC_SubStatus}" Start Context file.





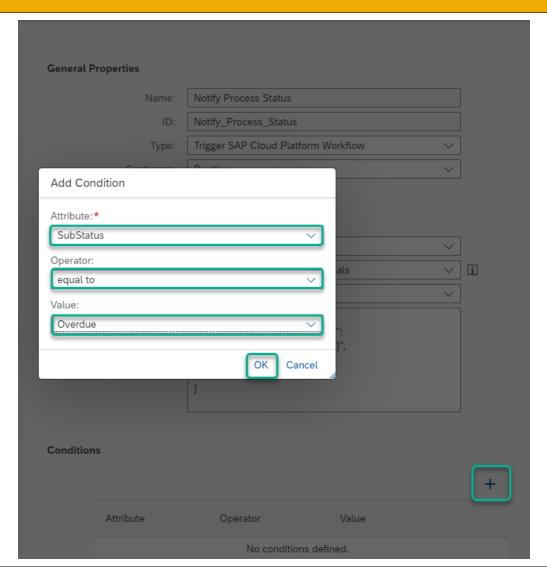
Explanation

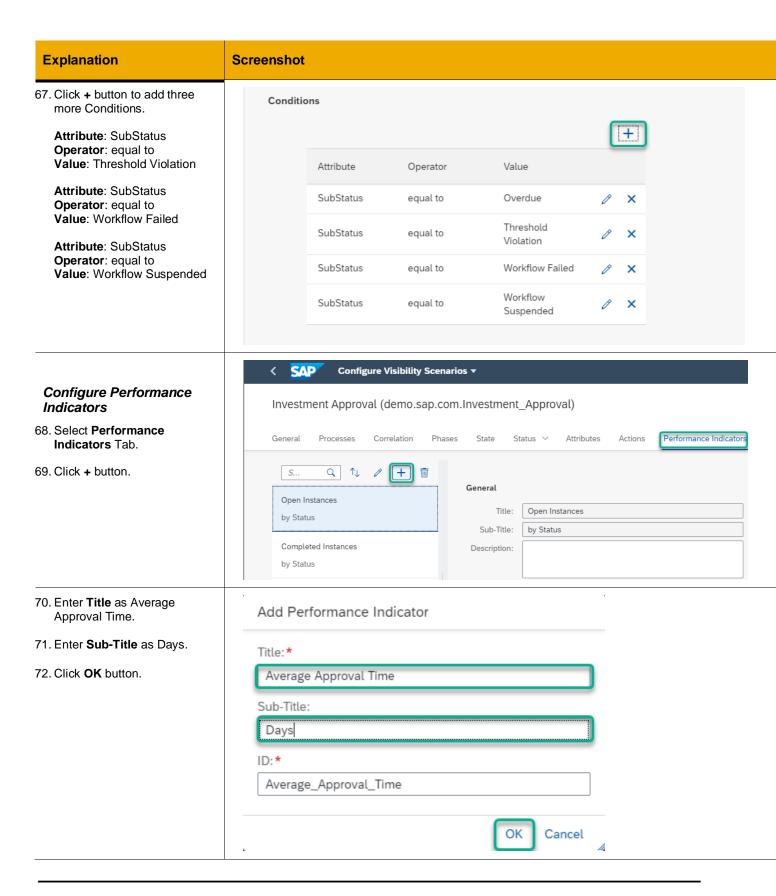
Screenshot

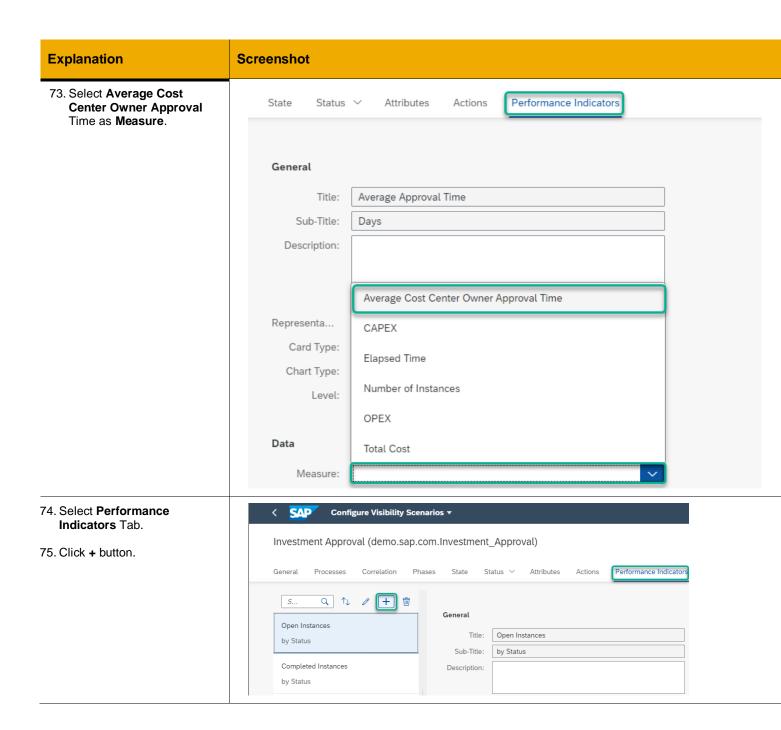
- 64. Click + button to add Conditions.
- 65. Select the following **conditions**.

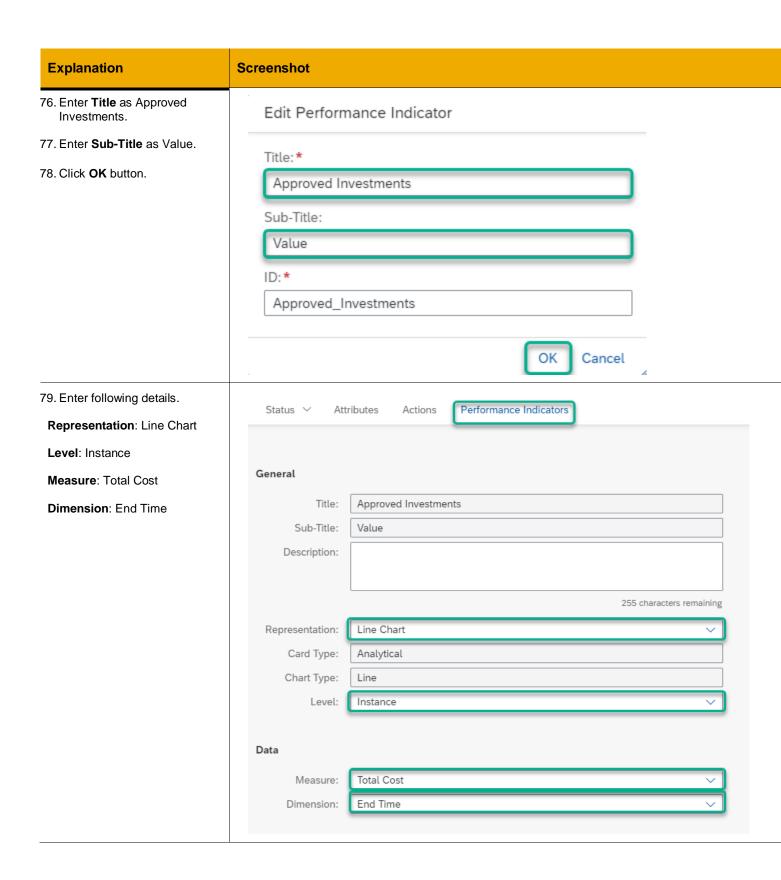
Attribute: SubStatus Operator: equal to Value: Overdue

66. Click **OK** button.

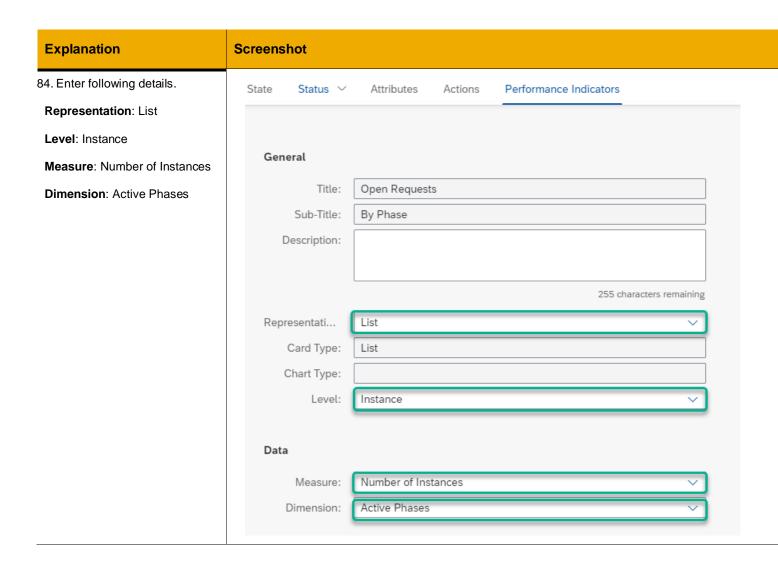


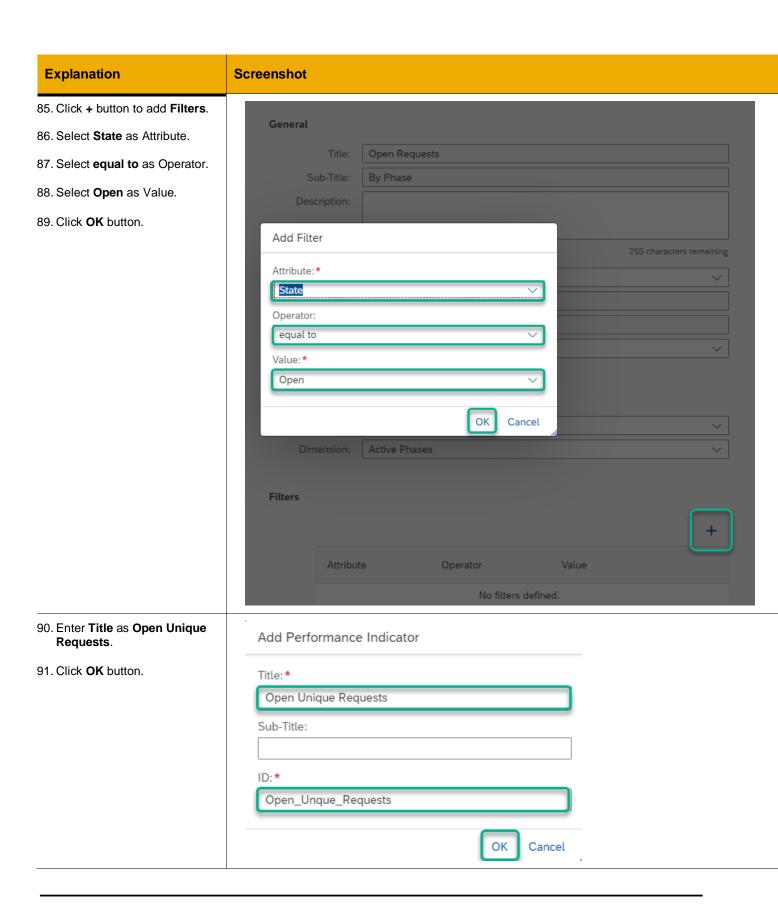


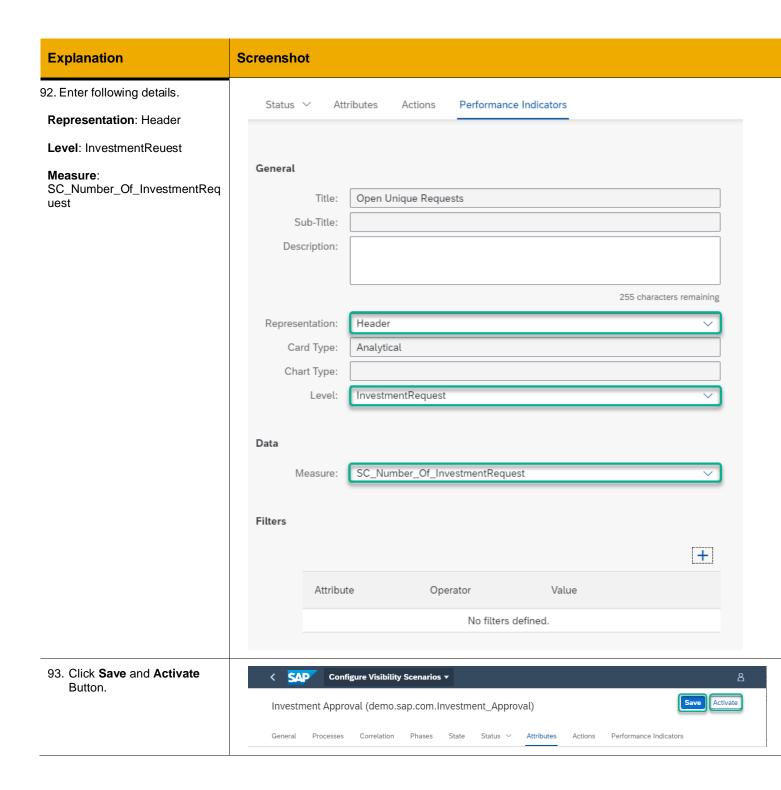




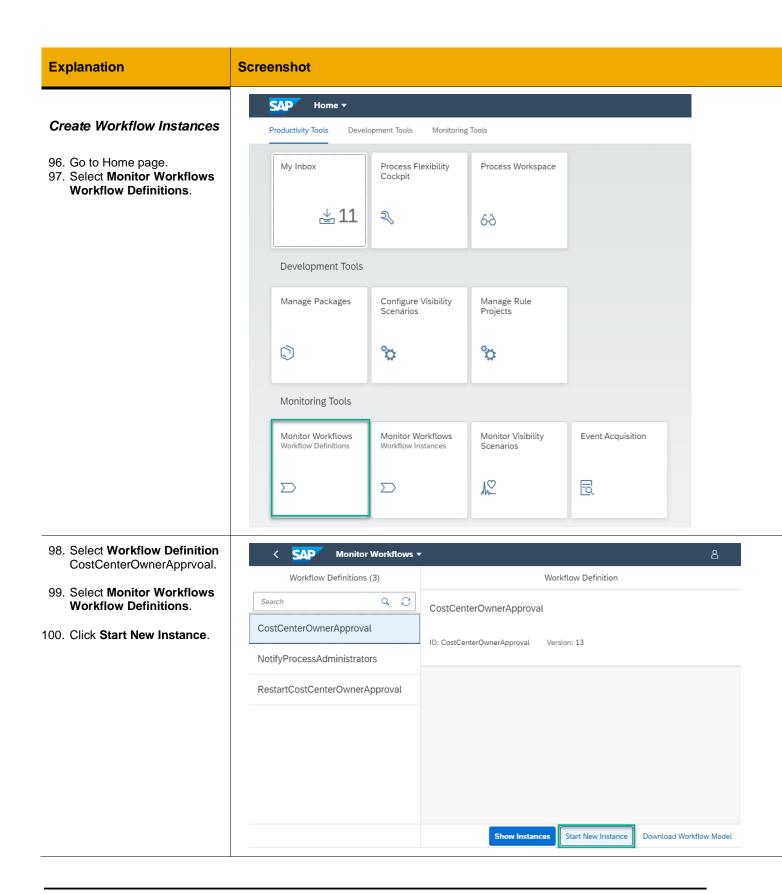
Explanation Screenshot 80. Click + button. < SAP Configure Visibility Scenarios ▼ 81. Enter Title as Open Investment Approval (demo.sap.com.Investment_Approval) Requests. 82. Enter **Sub-Title** as By Phase. General Processes Correlation Phases State Status V Attributes Actions Performance Indicators 83. Click OK button. General Open Instances Title: Approved Invest Add Performance Indicator Completed Instances by Status Open Requests Sub-Title: Cycle Time By Phase Suspended Instances Open_Requests Cancelled Instances Failed Instances Cancel







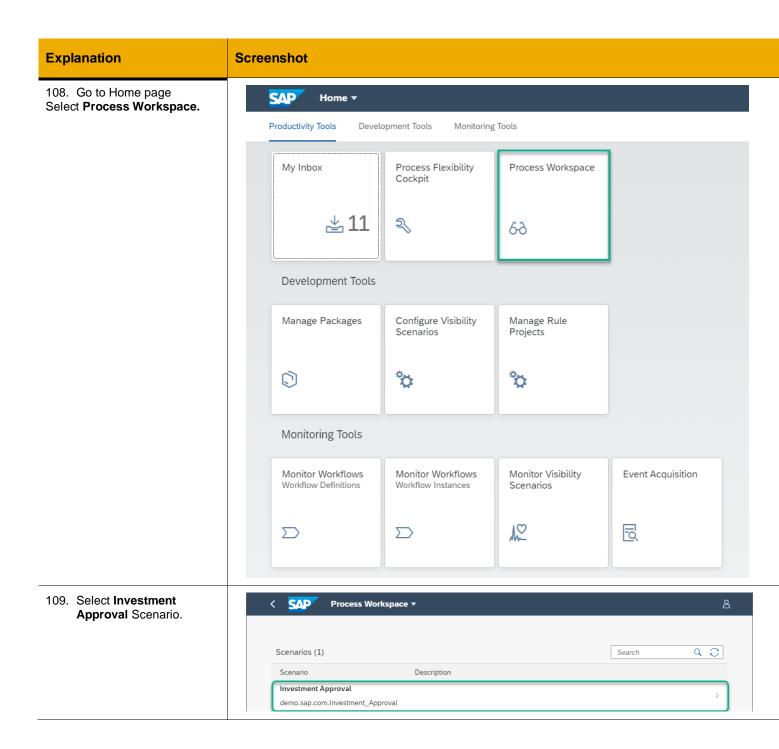
Explanation Screenshot 94. Go to Home page. SAP 95. Select Monitor Visibility Productivity Tools Development Tools Monitoring Tools Scenarios. My Inbox Process Flexibility Process Workspace Cockpit **±** 11 2 6-6 **Development Tools** Manage Packages Configure Visibility Manage Rule Scenarios Projects Ö Ö 0 Monitoring Tools Monitor Workflows Monitor Workflows Monitor Visibility Event Acquisition Workflow Definitions Workflow Instances Scenarios MO 튭 \sum \sum You can see the Investment < SAP Monitor Visibility Scenarios ▼ Approval scenario. Monitor Scenario Definition Scenario Definitions scenario enable Administrators 9 3 0 to track the event processing. Investment Approval The following actions are Investment Approval ID: demo.sap.com.Investment_Approval available to manage the demo.sap.com.Investment_Approval Activated By: venugopal.chembrakalathil@sap.com processed data. Activated On: Dec 1, 2020, 12:35:11 PM Process Data: Trigger the Processing Job Processing Information correlation job manually. Schedule Job: ON Clear Processed Data: Clear Scheduling Interval: 5 minutes the correlated process data Scheduled At: Dec 1, 2020, 4:20:12 PM Delete: Delete Scenario. Processing Information Dec 1, 2020, 4:15:23 PM Complete Process Data Clear Processed Data Delete

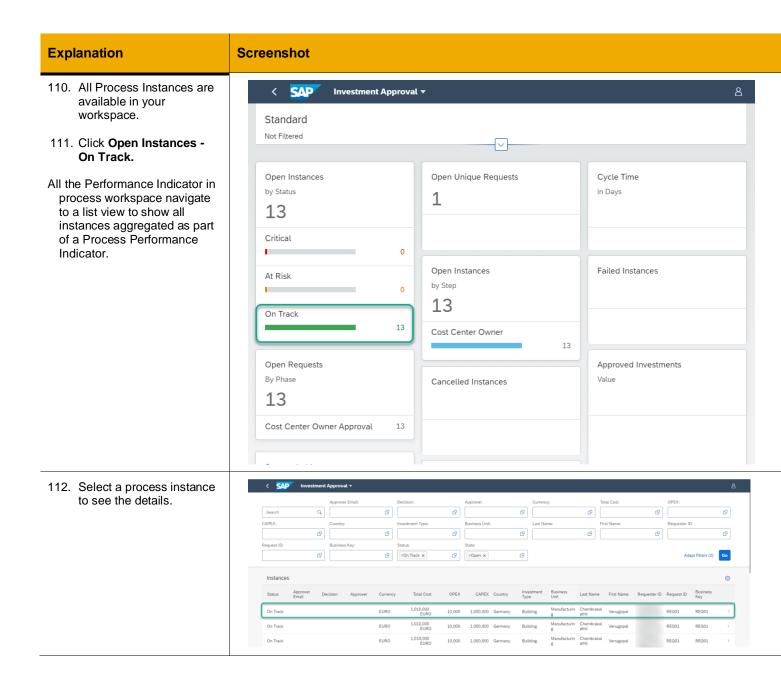


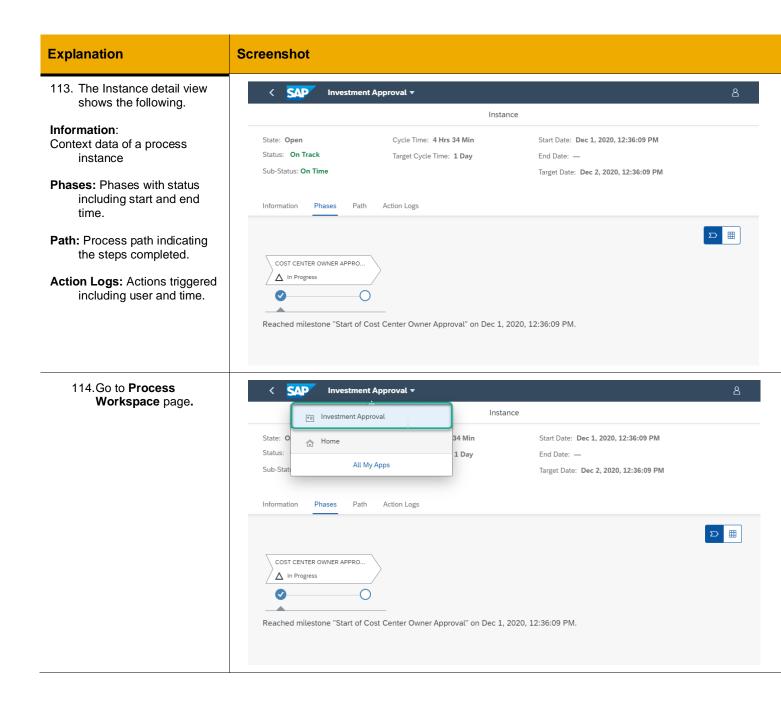
Explanation	Screenshot
101. Update Request related information.	Start New Instance
102. Use the Same Request Information.	Enter the JSON context with which to start the new instance:
103. Click Start New Instance multiple times to create multiple workflow instances.	Request": { "Requestld": "REQ01", "FirstName": "Venugopal", "LastName": "Chembrakalathil", "Email": " "UserId": "Comments": "Please approve the request" }, "Investment": { Start New Instance Start New Instance and Close Cancel

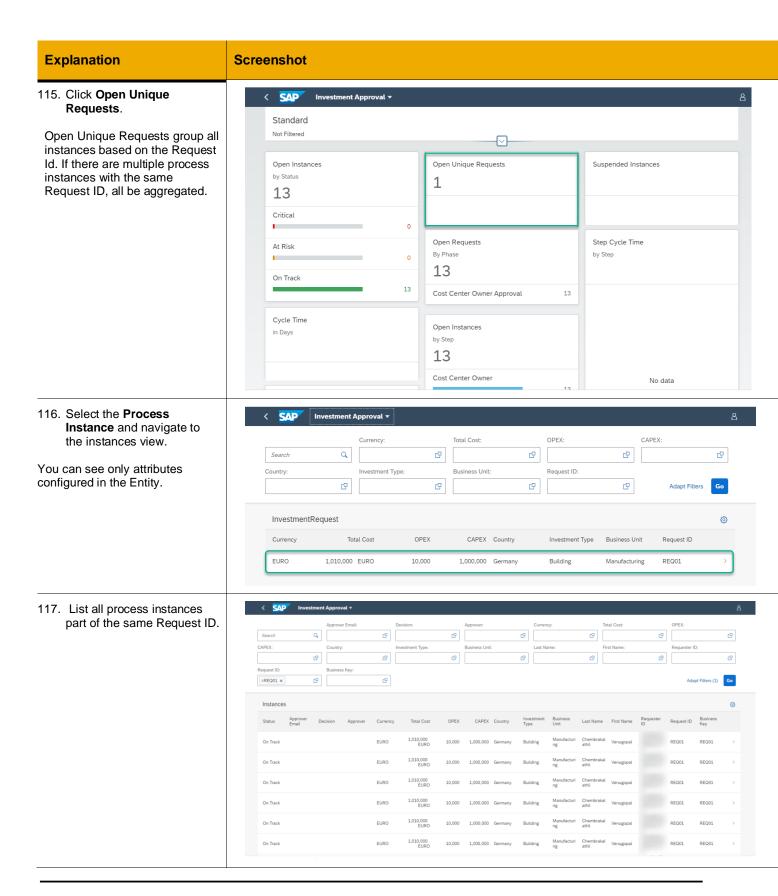
Explanation Screenshot 104. Go to Home page105. Select Monitor Visibility SAP Home ▼ Scenario. Productivity Tools Development Tools Monitoring Tools My Inbox Process Flexibility Process Workspace Cockpit **±** 11 2 6-6 **Development Tools** Configure Visibility Scenarios Manage Rule Projects Manage Packages **Monitoring Tools** Monitor Workflows Monitor Workflows Monitor Visibility **Event Acquisition** Workflow Definitions Workflow Instances Scenarios M 囩 \sum \sum

Explanation Screenshot 106. Select Investment Scenario Definitions Scenario Definition Approval Scenario and you Search Q 2 0 can see a periodic job Investment Approval executing under Processing Investment Approval Information. ID: demo.sap.com.Investment_Approval Activated By: demo.sap.com.Investment_Approval Activated On: Dec 1, 2020, 12:35:11 PM 107. This job will consume the workflow events and Processing Job Processing Information correlate to the scenario. Schedule Job: ON The job runs in every 5 minutes. Scheduling Interval: 5 minutes Please wait maximum 5 minutes Scheduled At: Dec 1, 2020, 4:50:12 PM to see the next job run. You can also click the **Process Data** Processing Information button to manually trigger the job. Status Start Time Events Processed Events in Buffer Instances Processed Dec 1, 2020, 4:46:06 PM Completed Dec 1, 2020, 4:45:35 PM Completed Dec 1, 2020, 4:40:36 PM Completed Dec 1, 2020, 4:35:20 PM Completed 0 Process Data Clear Processed Data Delete



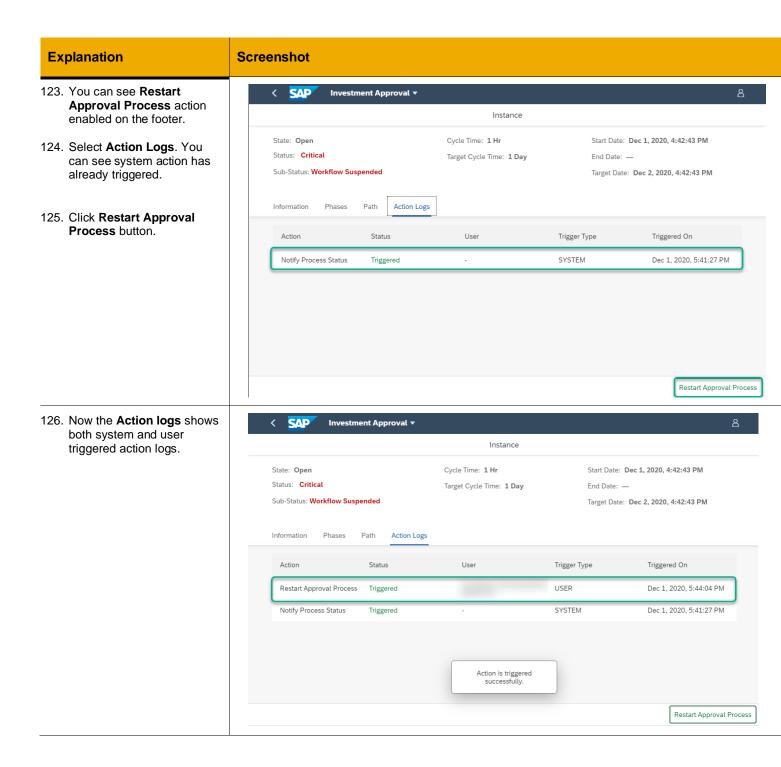




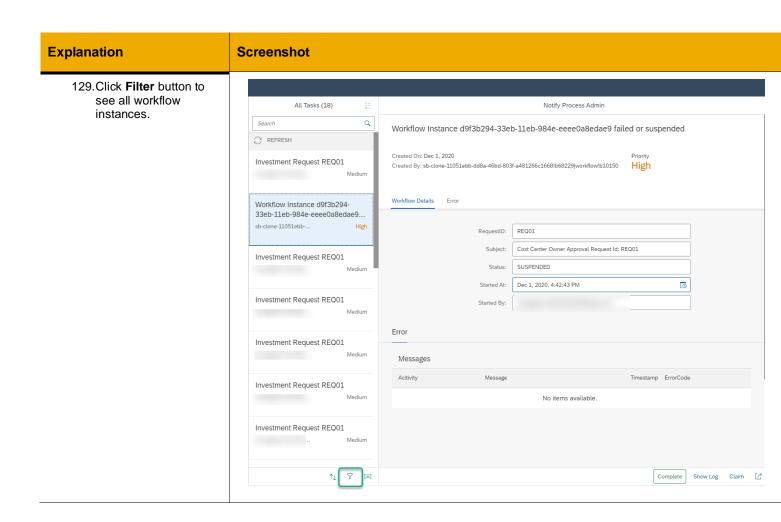


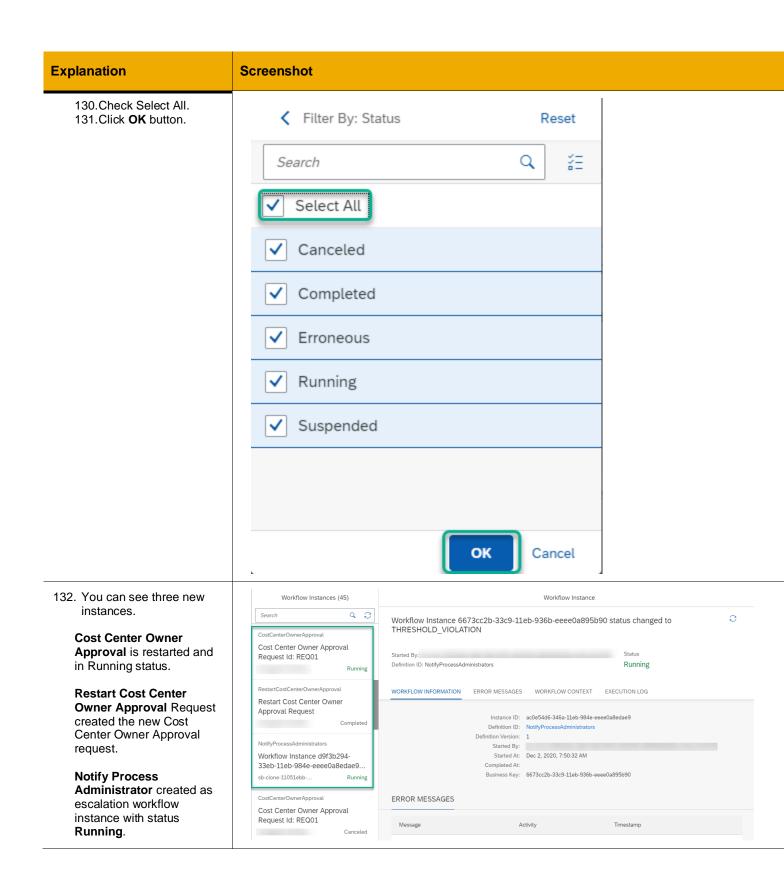
Explanation Screenshot SAP Home ▼ **Trigger Actions** Productivity Tools Development Tools Monitoring Tools In this section you will suspend a workflow instance My Inbox Process Flexibility Process Workspace to change the process status Cockpit it will trigger the system centric action and enable user action in process **±** 11 2 6-6 visibility. 118.Click Monitor Workflows - Workflow Instances. **Development Tools** Manage Packages Configure Visibility Manage Rule Scenarios Projects Ö Ö **Monitoring Tools** Monitor Workflows Monitor Workflows Monitor Visibility **Event Acquisition** Workflow Definitions Workflow Instances Scenarios $\mathbb{M}_{\mathbb{Q}}$ 둽 \sum \sum

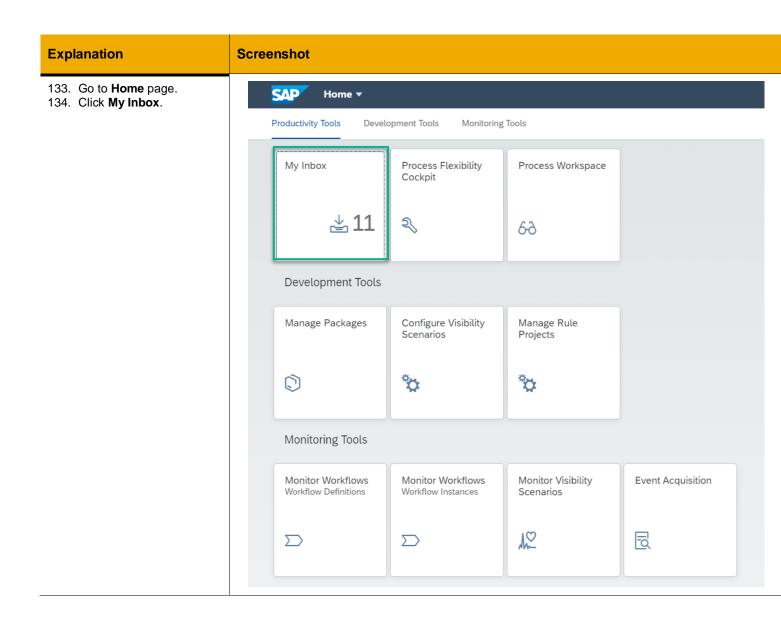
Explanation Screenshot 119. Select a Running instance < SAP Monitor Workflows ▼ and click Suspend button Workflow Instances (20) Workflow Instance in the footer. 9 3 0 Cost Center Owner Approval Request Id: REQ01 It will take maximum 5 minutes Filtered by: Status (Erroneous, Running, S... to reflect this change Process Status Started By: CostCenterOwnerApproval Workspace. Running Definition ID: CostCenterOwnerApproval Cost Center Owner Approval Request Id: REQ01 The job runs in every 5 minutes. WORKFLOW INFORMATION ERROR MESSAGES WORKFLOW CONTEXT EXECUTION LOG Running You can also go to Monitor Visibility Scenario application CostCenterOwnerApproval Instance ID: d9f3b294-33eb-11eb-984e-eeee0a8edae9 and click the Process Data Cost Center Owner Approval Definition ID: CostCenterOwnerApproval Definition Version: 13 button to manually trigger the Request Id: REQ01 Started By: job. Started At: Dec 1, 2020, 4:42:43 PM Completed At: CostCenterOwnerApproval Business Key: REQ01 Cost Center Owner Approval Request Id: REQ01 ERROR MESSAGES Running CostCenterOwnerApproval 120. Go to Process Workspace. < SAP Investment Approval 🔻 Standard 121. In Open Instances you can see 1 instance with critical Requester ID: Request ID: Business Kev: status. c c G. Adapt Filters -(\frac{1}{2})-122. Click the critical instance Open Instances Suspended Instances Cycle Time and navigate to the by Status in Days 1 instance view. 13 Critical Open Instances Failed Instances At Risk by Step 13 On Track Cost Center Owner 13 Step Cycle Time Cancelled Instances by Step Open Unique Requests 1 Open Requests By Phase Approved Investments



Explanation Screenshot 127. Go to Home page. SAP Home ▼ Productivity Tools Development Tools Monitoring Tools 128. Select Monitor Workflow - Workflow Instances. Process Flexibility Cockpit My Inbox Process Workspace **≟**0 2 6-6 Development Tools Configure Visibility Scenarios Manage Rule Projects Manage Packages Ö Ö Monitoring Tools Monitor Workflows Workflow Definitions Monitor Workflows Workflow Instances Monitor Visibility Scenarios Event Acquisition MO \sum







Explanation Screenshot 135. Select task instance with Subject begin with All Tasks (18) Notify Process Admin Workflow Instance. Q Search Workflow Instance d9f3b294-33eb-11eb-984e-eeee0a8edae9 failed or suspended □ REFRESH You can see the details of the workflow instance with Created On: Dec 1, 2020 Investment Request REQ01 Created By: sb-clone-11051ebb-dd8a-46bd-803f-a481266c1668!b68229|workflow!b10150 High Suspended status. This will enable technical Administrators to fix the issues and complete Workflow Details Error Workflow Instance d9f3b294the task. 33eb-11eb-984e-eeee0a8edae9... sb-clone-11051ebb-... High RequestID: REQ01 Subject: Cost Center Owner Approval Request Id: REQ01 Investment Request REQ01 SUSPENDED Status: Dec 1, 2020, 4:42:43 PM Ō Started At: Investment Request REQ01 Started By: Investment Request REQ01 Medium Messages Investment Request REQ01 No items available. Investment Request REQ01 Complete Show Log Claim

SUMMARY

You have modeled a process visibility scenario and able to monitor processes. Please go through $\underline{\text{help}}$ $\underline{\text{documentation}}$ for more details.

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