# **PUBLIC**

# **Deep dive into SAP Cloud Platform Workflow Management – Gain Real time Process Visibility**DEV-264

Exercises / Solutions Venugopal Chembrakalathil / SAP SE

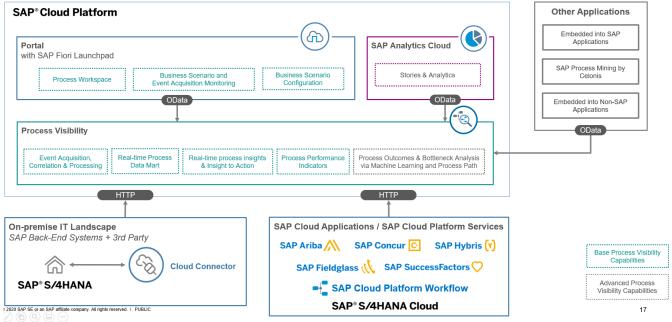


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SUMMARY	

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.



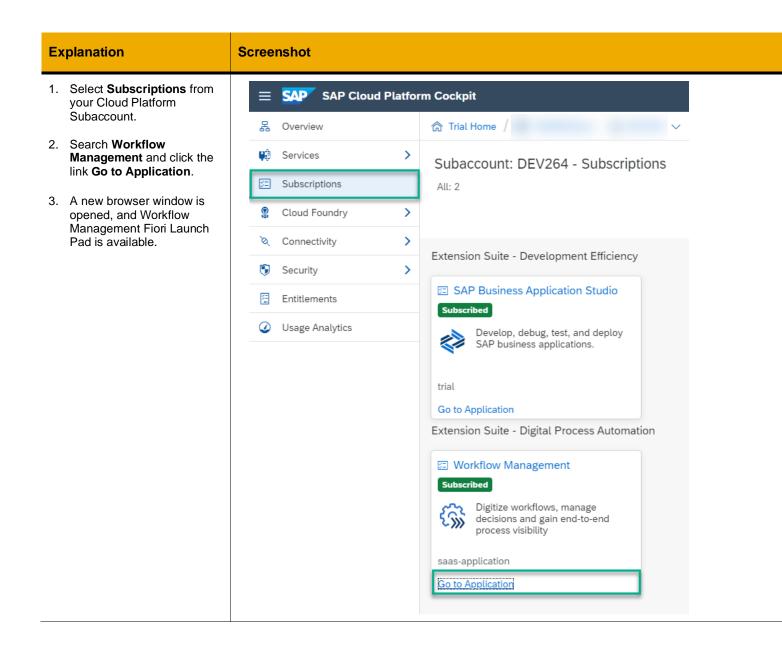
#### **SCENARIO**

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.

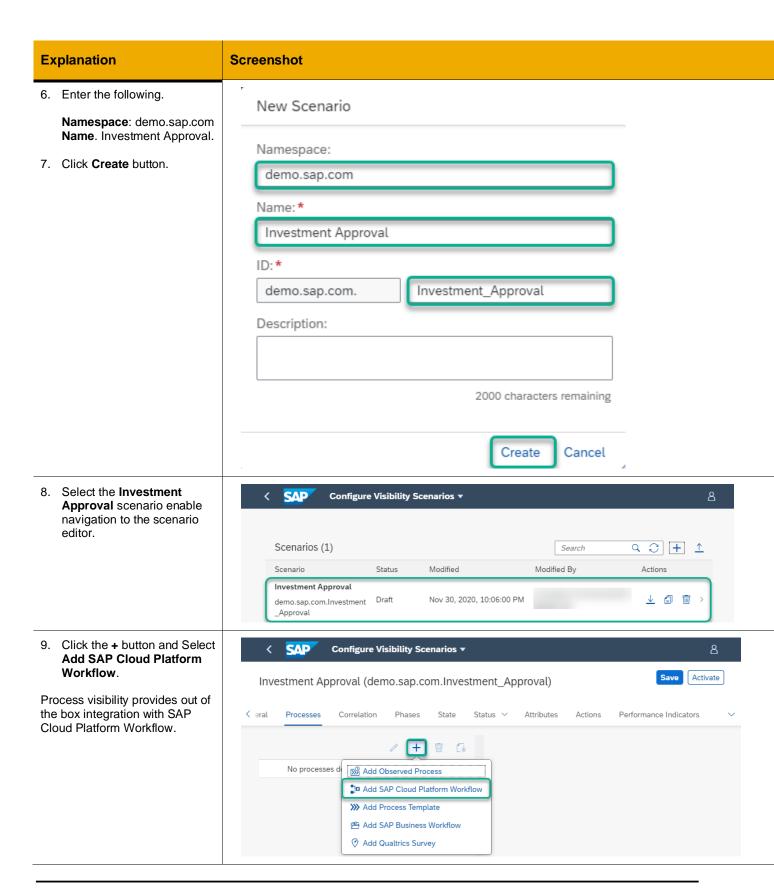
- Model Process visibility scenario
- · Configure Calculated attributes.
- Configure Insight to Actions.
- Configure Process Performance Indicators.
- Deploy and Consume the process visibility scenario.
- Process Workspace
- Trigger Actions

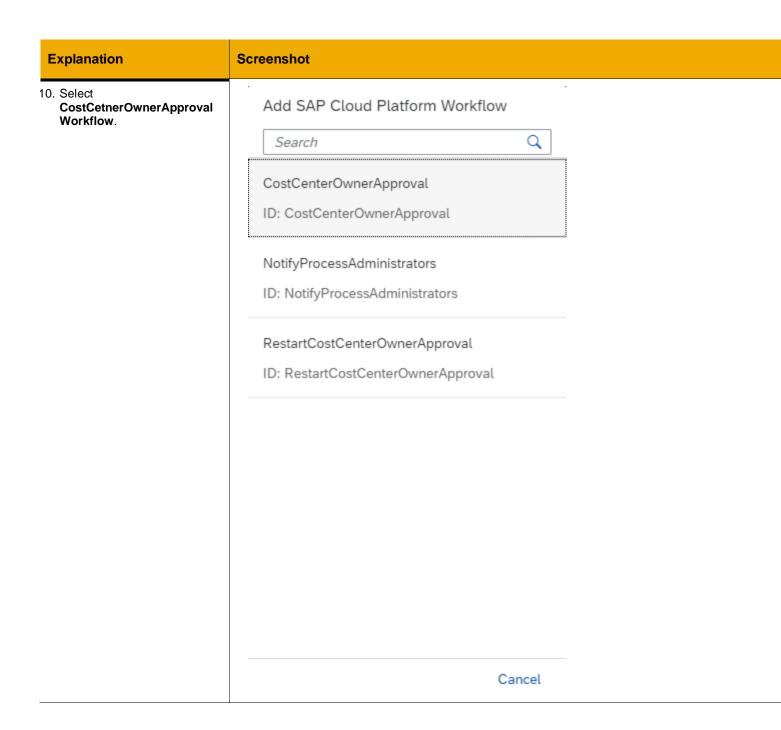
#### **Prerequisite**

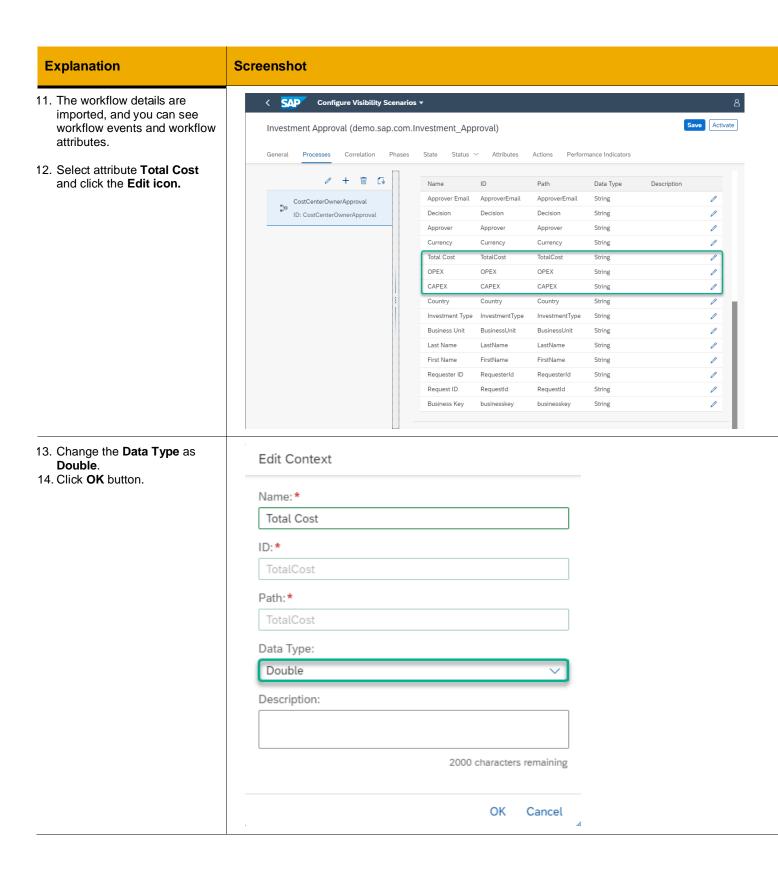
You must complete Model Investment Approval Workflow before starting this exercise.

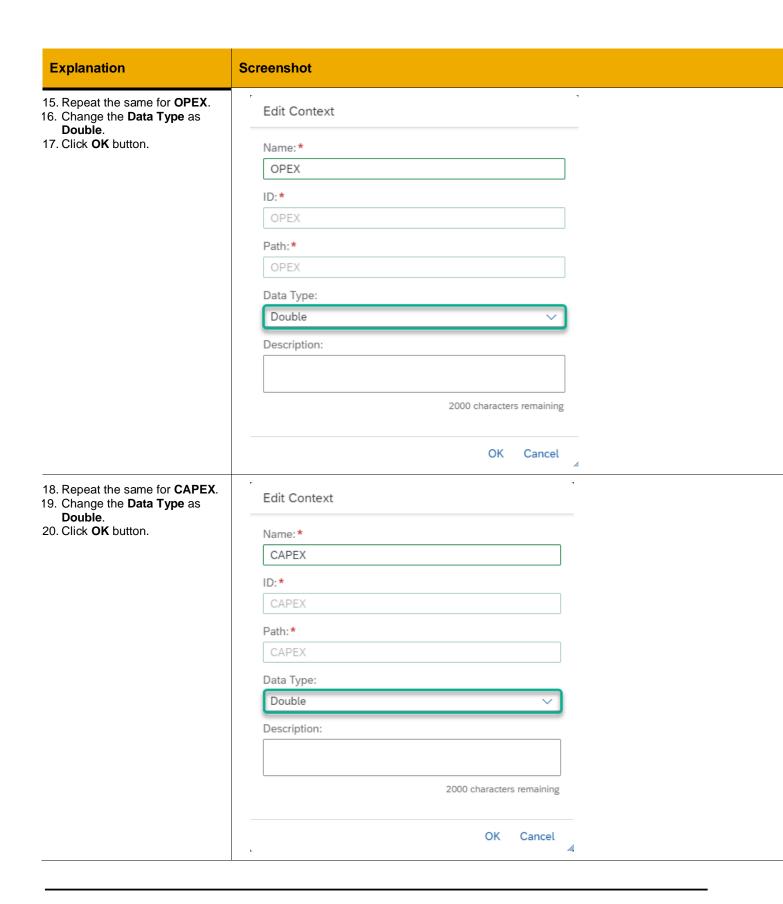


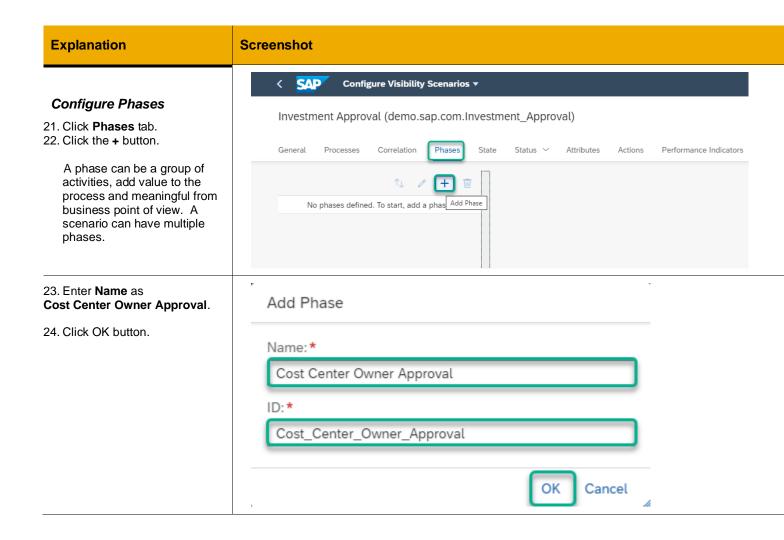
#### **Explanation Screenshot** SAP Home ▼ Create Scenario Productivity Tools Development Tools Monitoring Tools 4. Click Configure Visibility Scenarios. My Inbox Process Flexibility Process Workspace Cockpit Configure Visibility scenario enable you to create a new 2 process visibility scenario. **≟**4 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

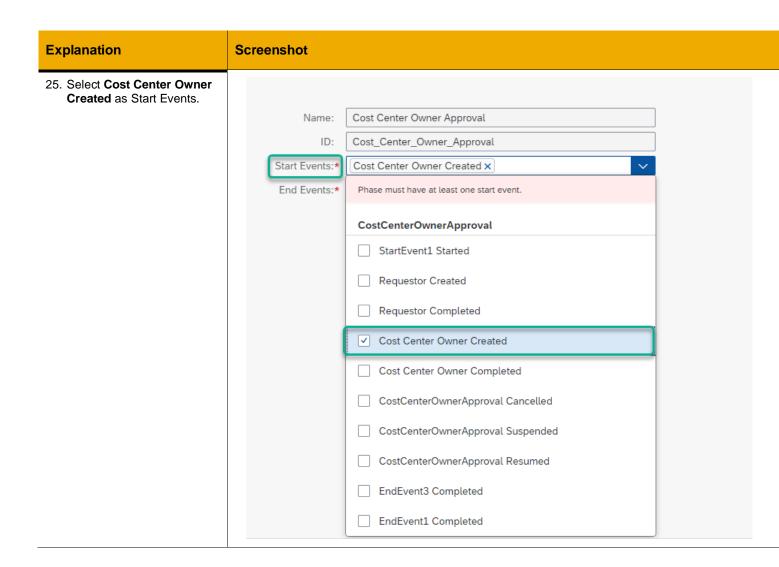


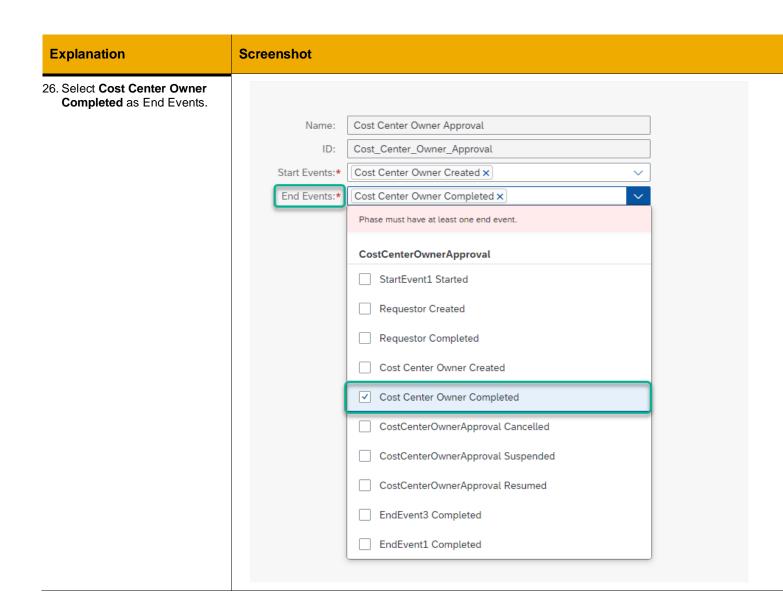




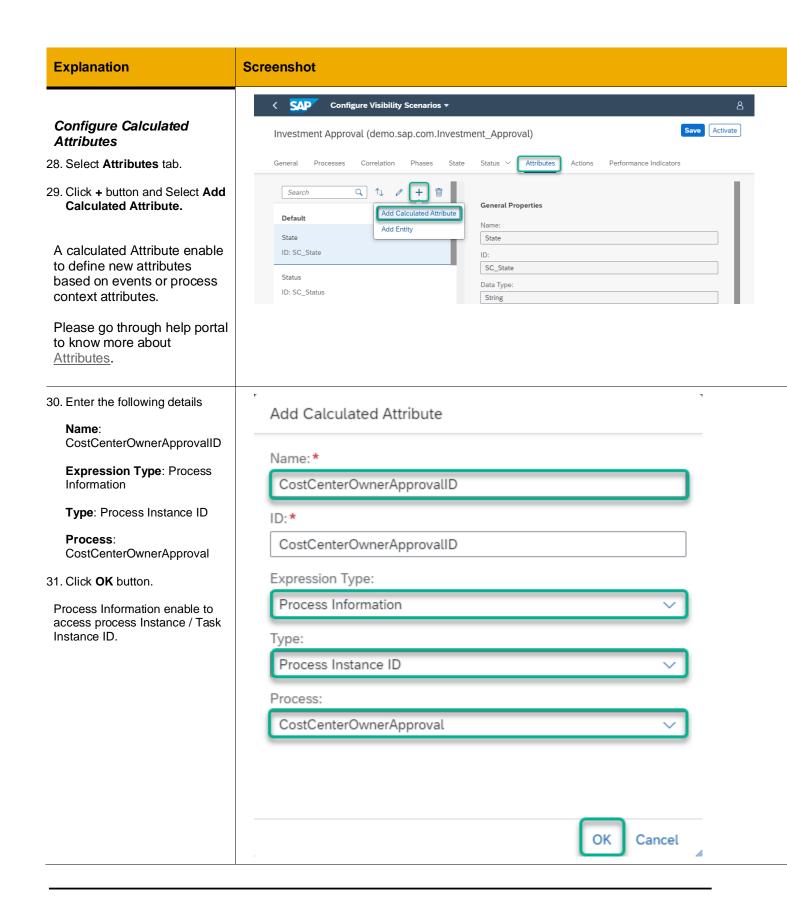


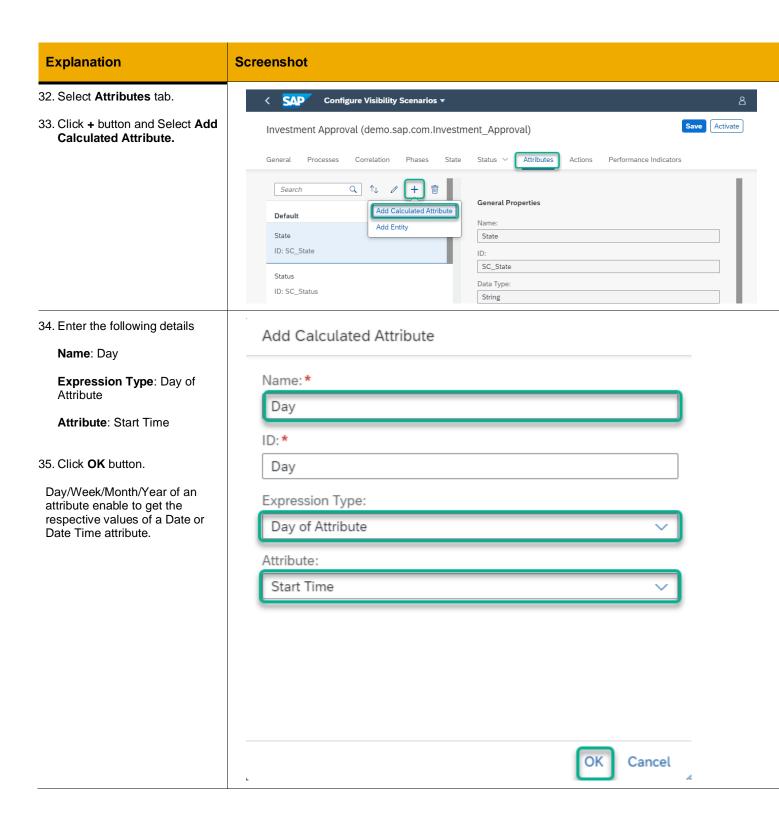


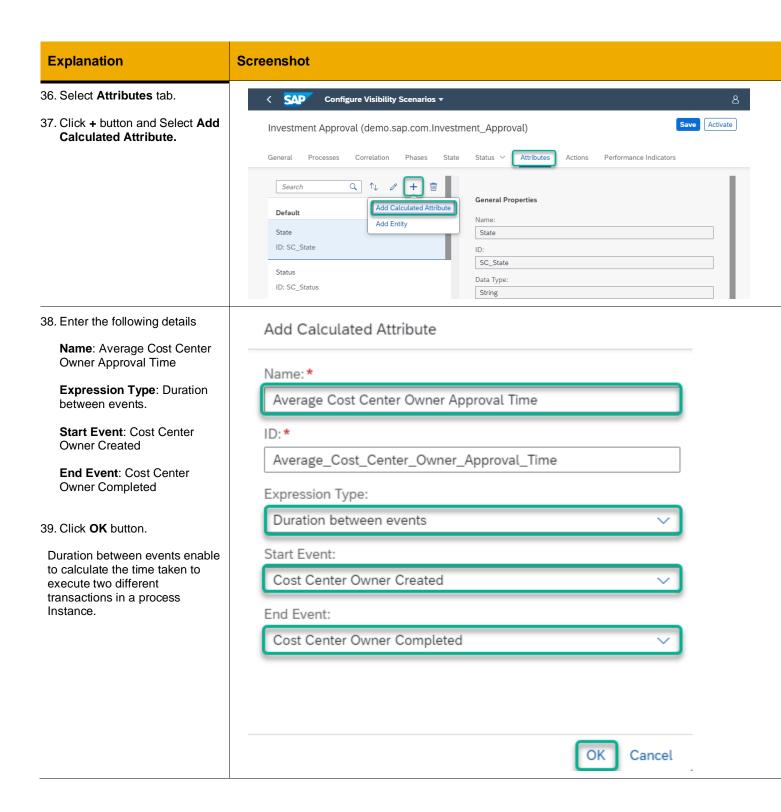


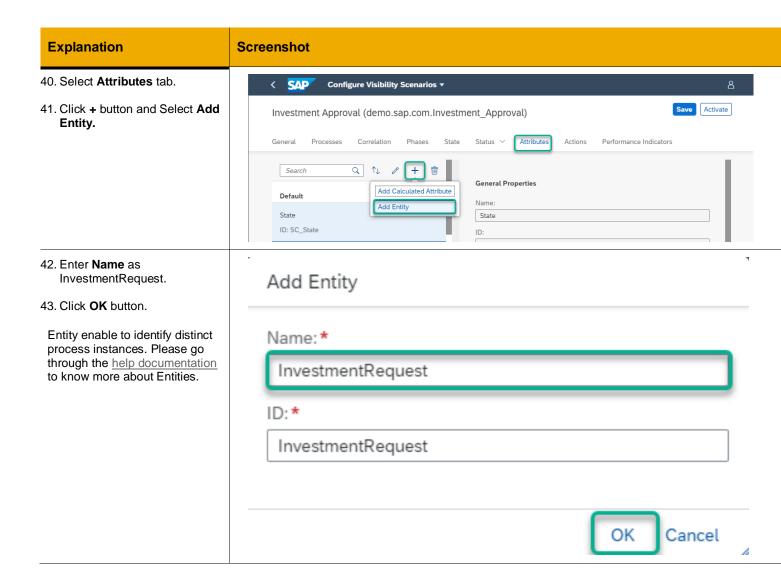


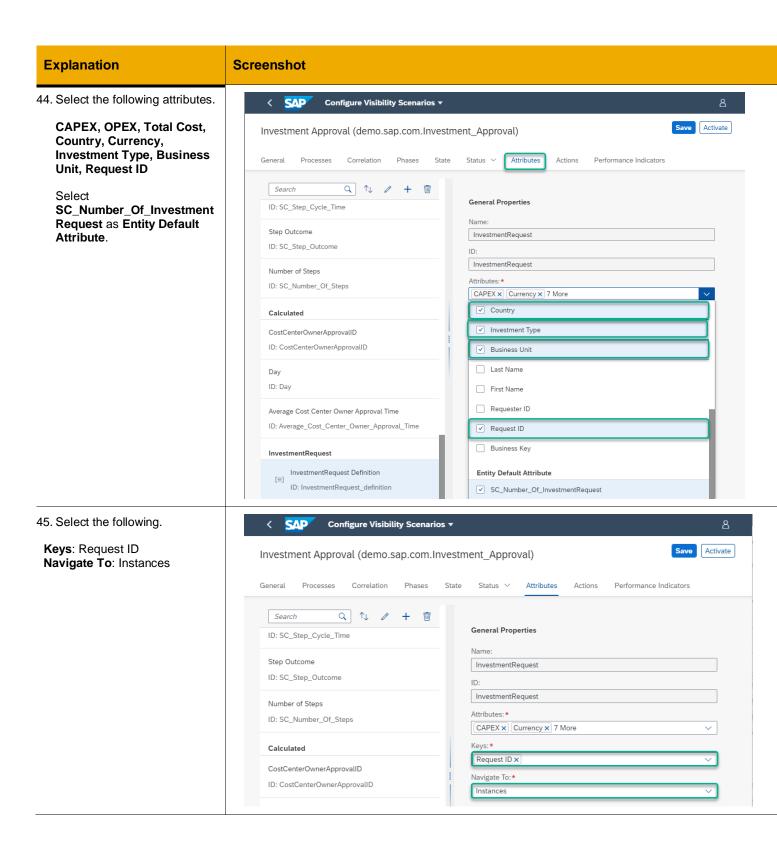
#### **Explanation Screenshot** 27. Select **Status** tab and set < SAP Configure Visibility Scenarios ▼ Target Value as 1 day. Save Activate Investment Approval (demo.sap.com.Investment\_Approval) It is possible to configure the target a dynamic value using Processes Correlation Phases a date or datetime 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

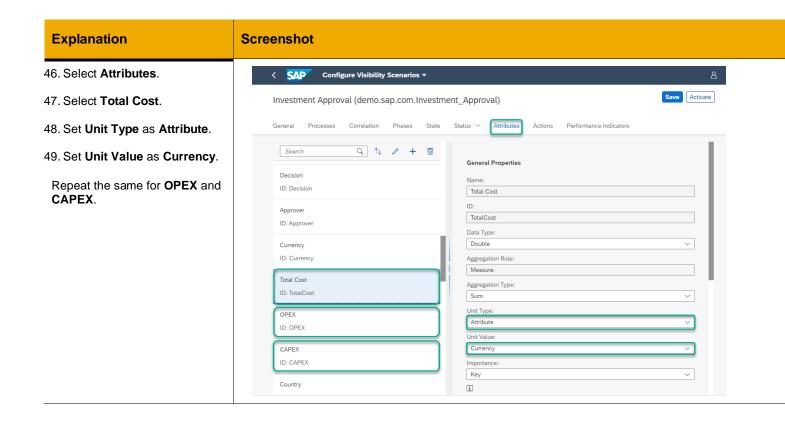












# **Explanation**

# **Screenshot**

### **Configure Actions**

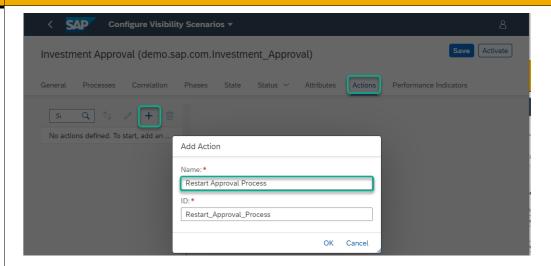
Configuring actions require workflows and please make sure you have completed <a href="Exercise3"><u>Exercise3</u></a> and <a href="Exercise4"><u>Exercise4</u></a>.

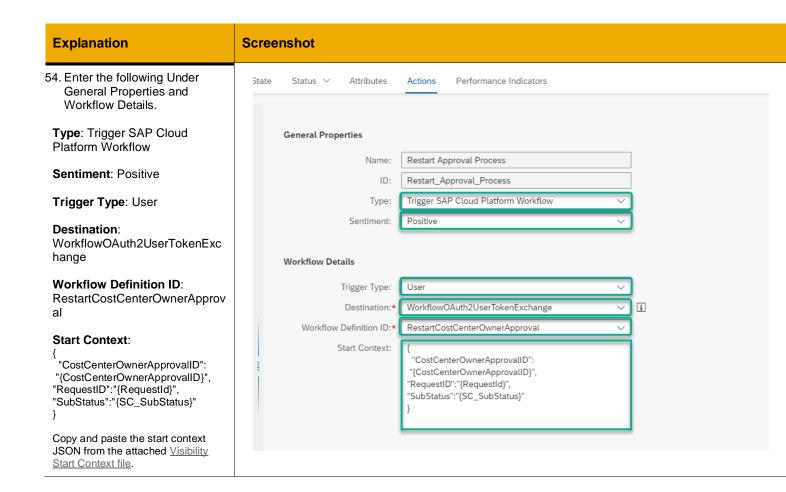
Skip this section if you have not completed Exercise 3 and 4.

- 50. Select Actions.
- 51. Click + button to add a new action.
- 52. Enter **Name** Restart Approval Process.
- 53.Click **OK** button.

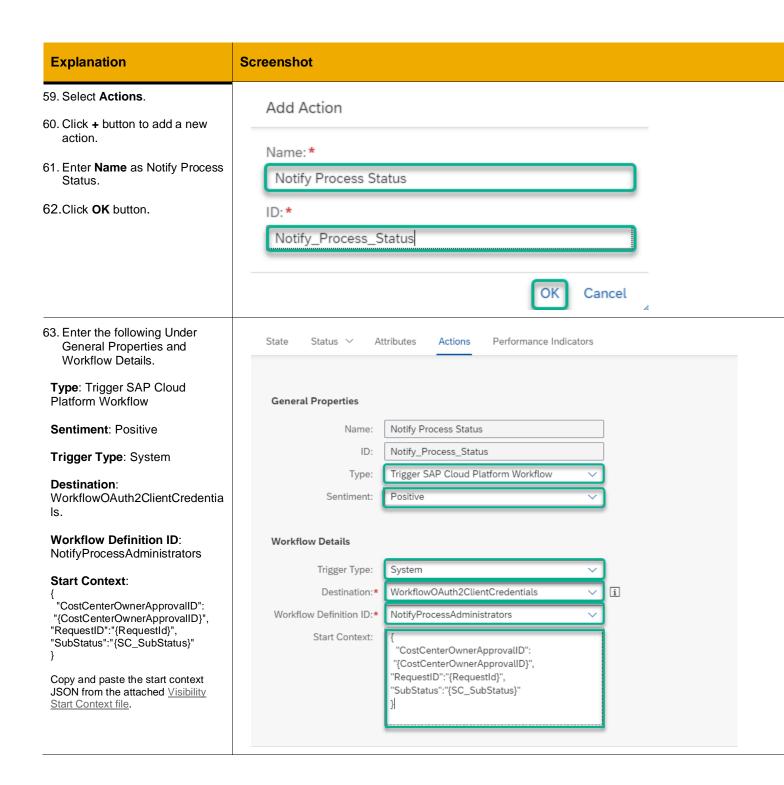
Actions enable to configure workflows to manage process status changes.

Please go through help portal to know more about <u>Actions</u>.





#### **Explanation Screenshot** 55. Click + button to add Actions Conditions. 56. Select the following conditions. Attribute: SubStatus Add Condition Operator: equal to Value: Overdue Attribute:\* i SubStatus 57. Click OK button. Operator: equal to Value: Overdue OK Cancel Conditions Attribute Operator No conditions defined. 58. Click + button to add three Conditions more Conditions. Attribute: SubStatus Operator: equal to Value: Threshold Violation Attribute Operator Value Attribute: SubStatus SubStatus Overdue equal to Operator: equal to Value: Workflow Failed Threshold SubStatus equal to Violation Attribute: SubStatus Operator: equal to SubStatus equal to Workflow Failed Value: Workflow Suspended Workflow SubStatus equal to Suspended



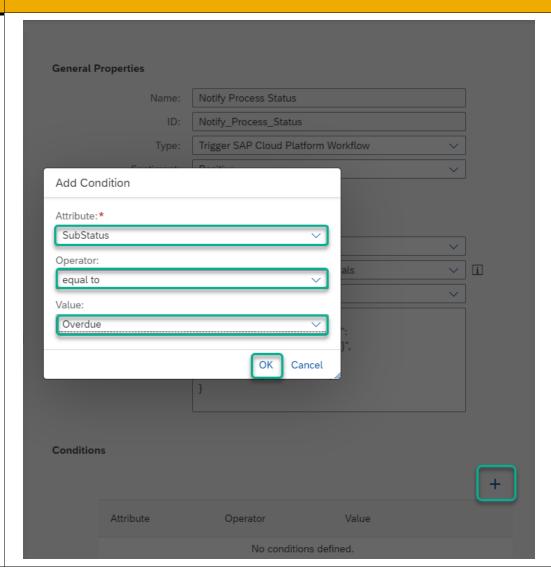
# **Explanation**

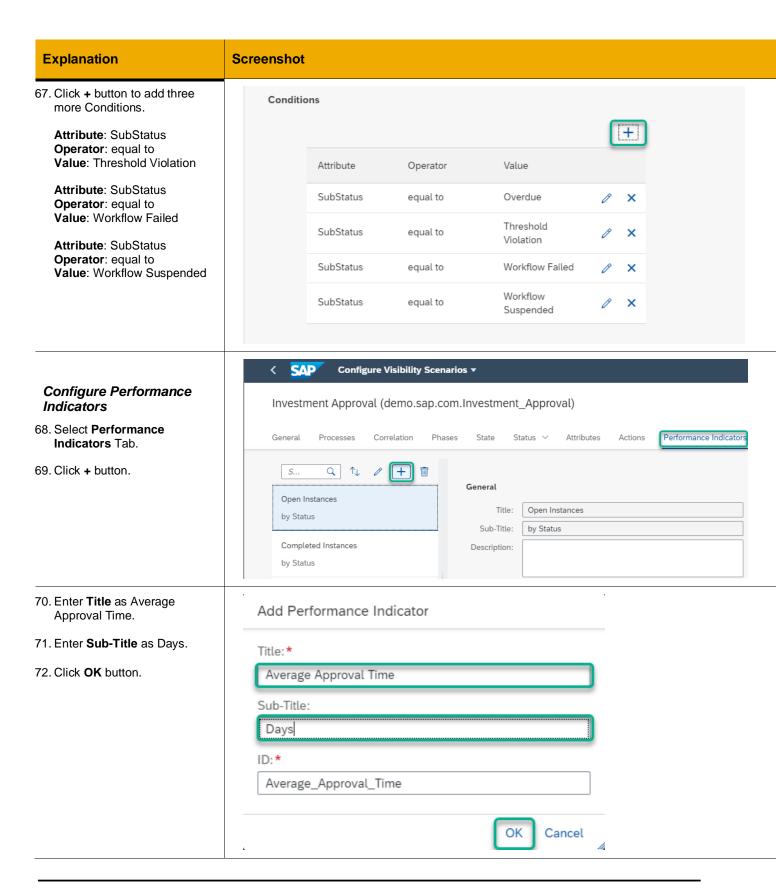
# Screenshot

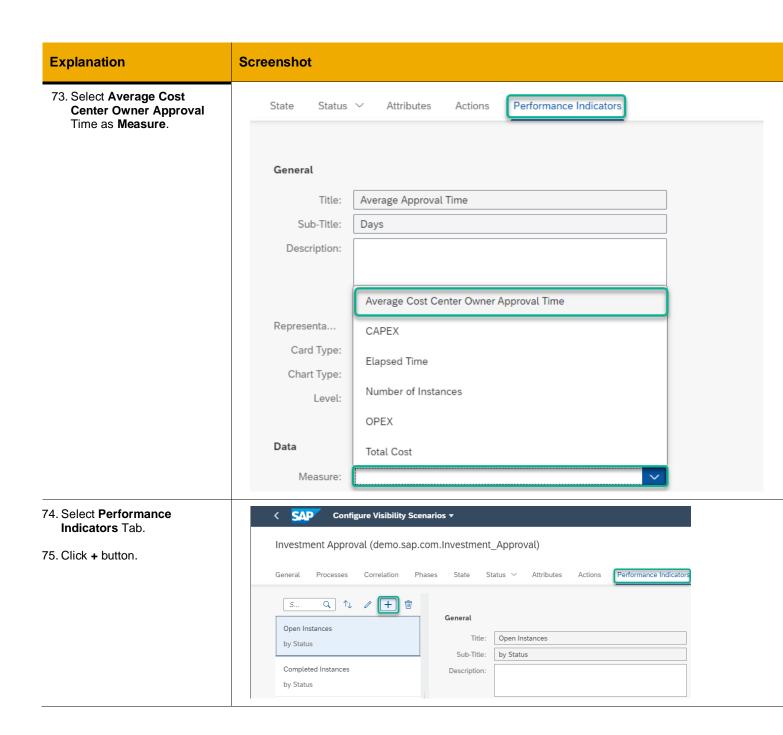
- 64. Click + button to add Conditions.
- 65. Select the following **conditions**.

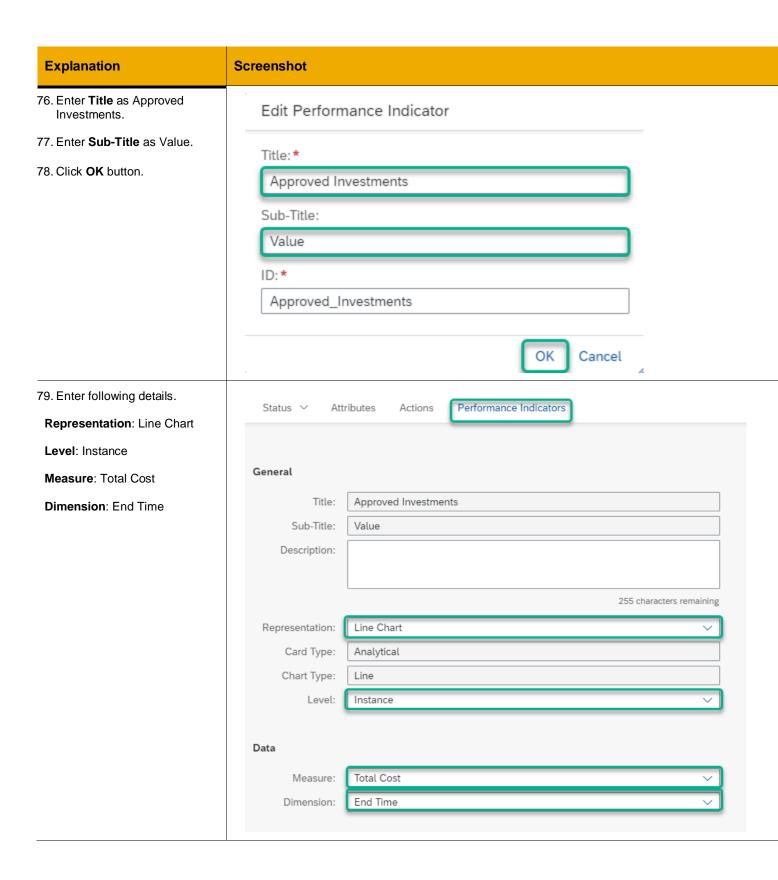
Attribute: SubStatus Operator: equal to Value: Overdue

66. Click **OK** button.

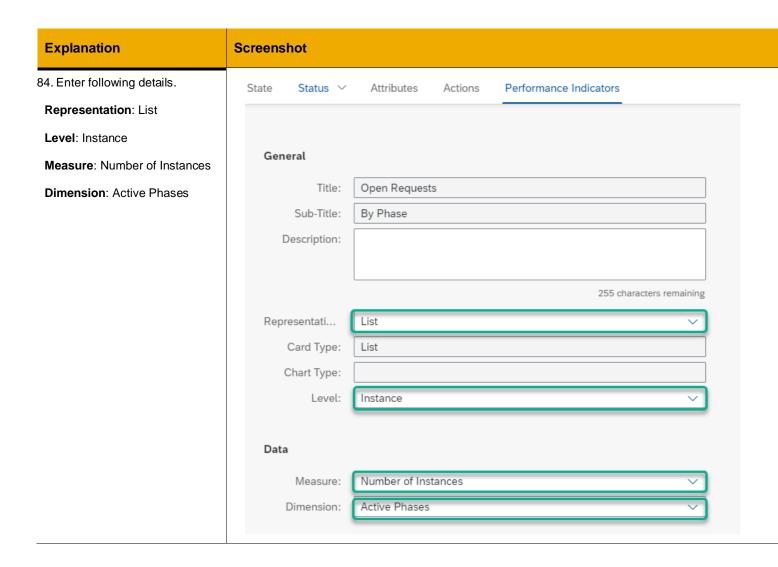


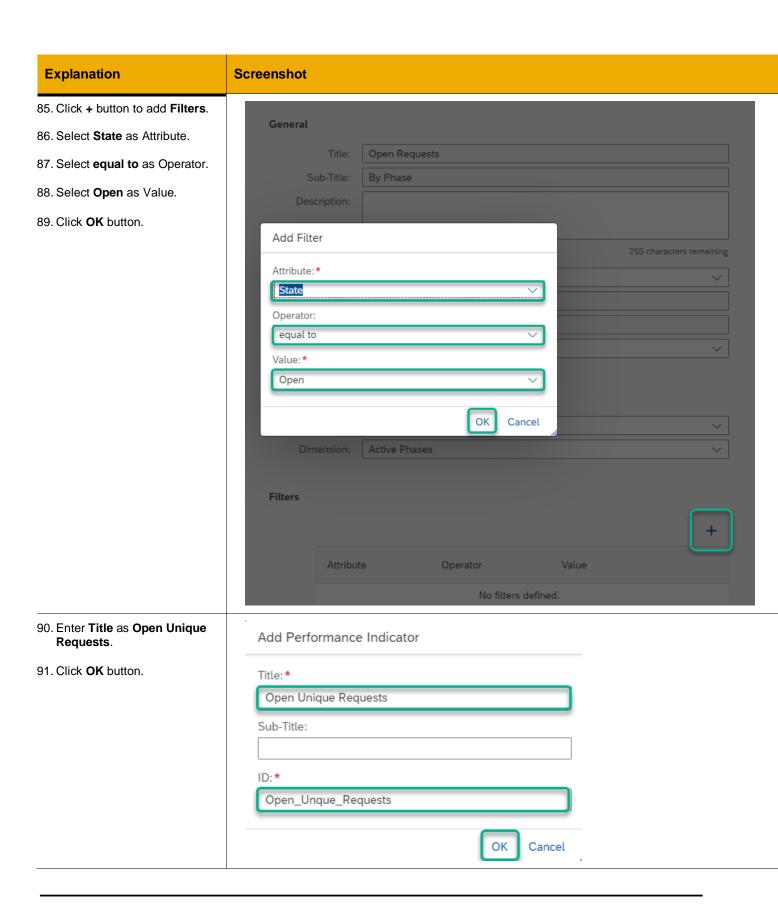


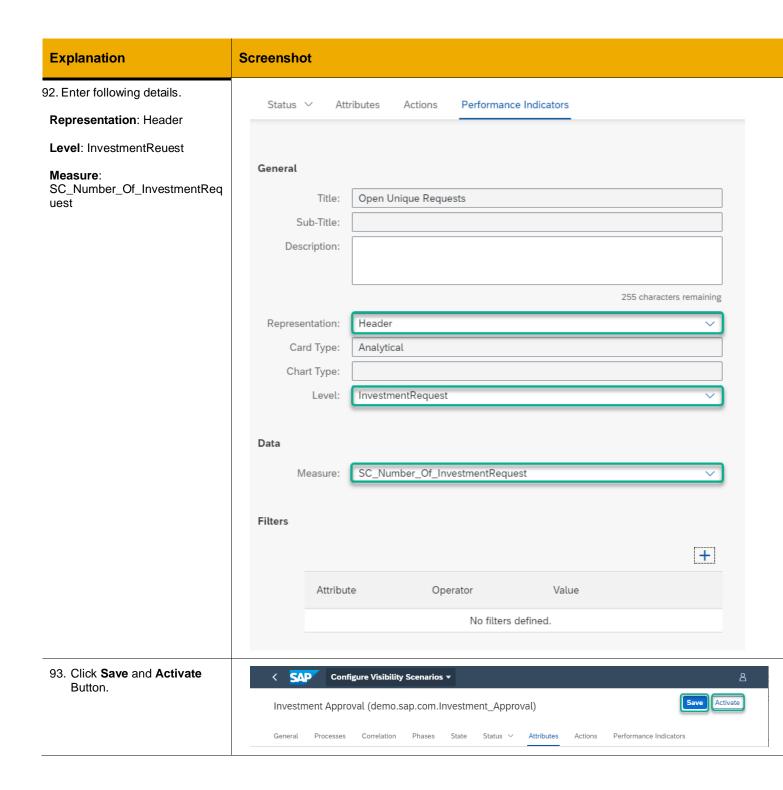




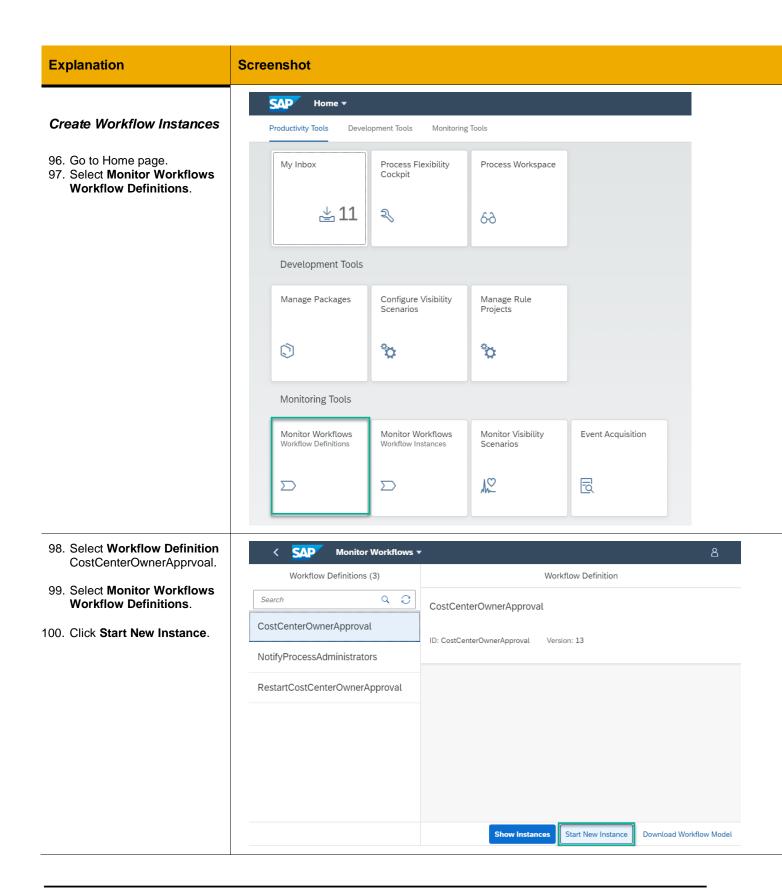
#### **Explanation Screenshot** 80. Click + button. < SAP Configure Visibility Scenarios ▼ 81. Enter Title as Open Investment Approval (demo.sap.com.Investment\_Approval) Requests. 82. Enter **Sub-Title** as By Phase. General Processes Correlation Phases State Status V Attributes Actions Performance 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







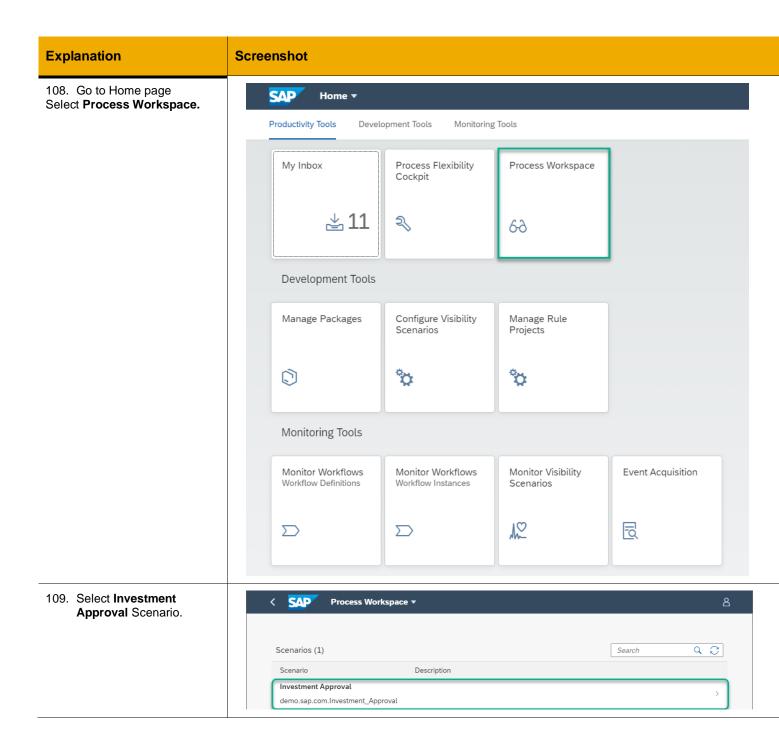
#### **Explanation Screenshot** 94. Go to Home page. SAP 95. Select Monitor Visibility Productivity Tools Development Tools Monitoring Tools Scenarios. My Inbox Process Flexibility Process Workspace Cockpit **±** 11 2 6-6 **Development Tools** Manage Packages Configure Visibility Manage Rule Scenarios 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

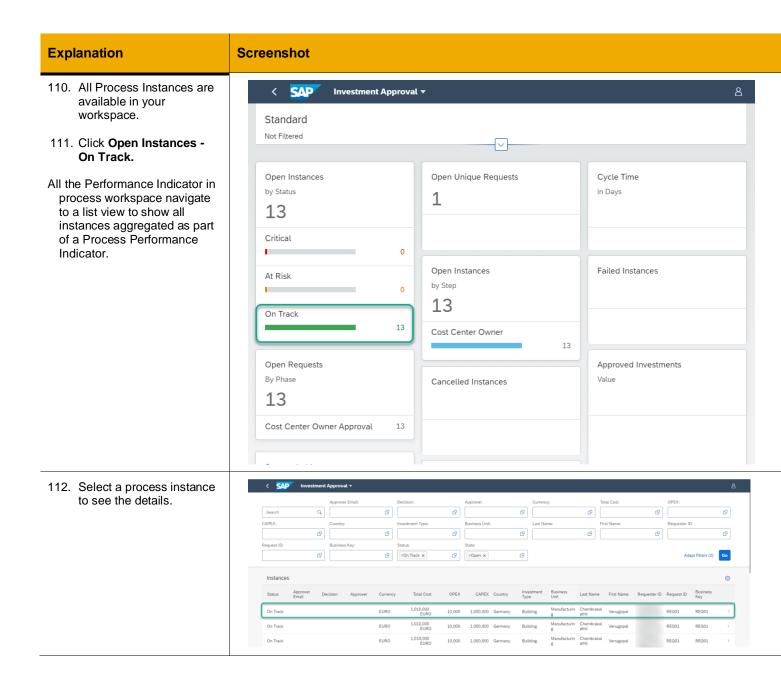


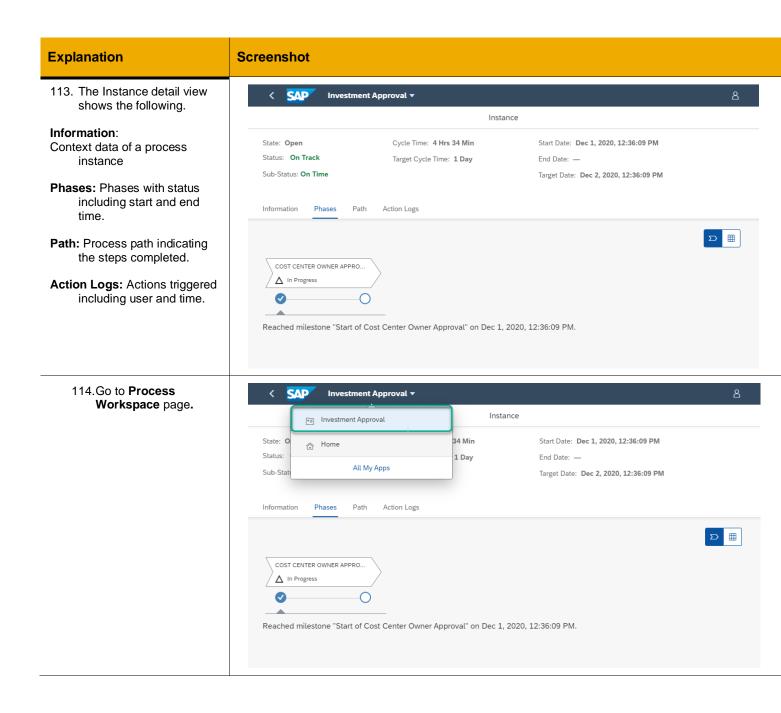
Explanation	Screenshot
101. Update Request related information.	Start New Instance
102. Use the Same Request Information.	Enter the JSON context with which to start the new instance:
103. Click <b>Start New Instance</b> multiple times to create multiple workflow instances.	Request": {     "Requestld":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

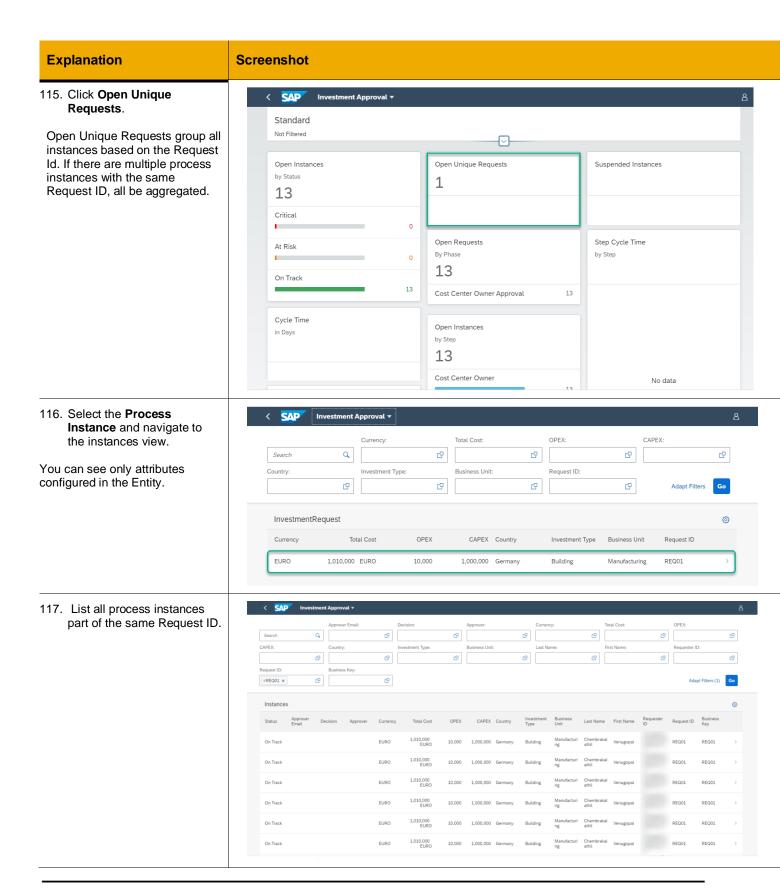
# **Explanation Screenshot** 104. Go to Home page105. Select Monitor Visibility SAP Home ▼ Scenario. Productivity Tools Development Tools Monitoring Tools My Inbox Process Flexibility Process Workspace Cockpit **±** 11 2 6-6 **Development Tools** Configure Visibility Scenarios Manage Rule Projects Manage 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



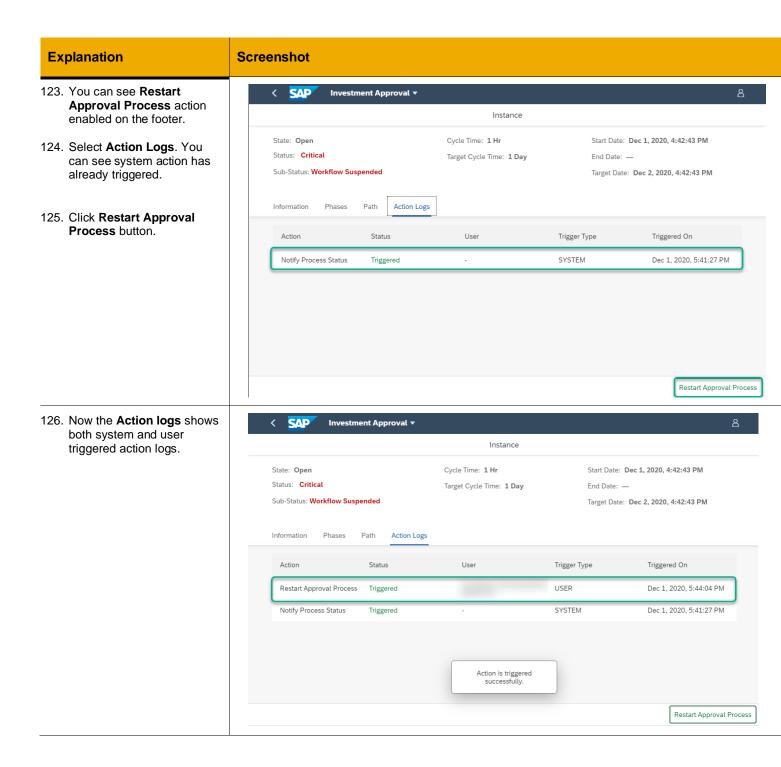




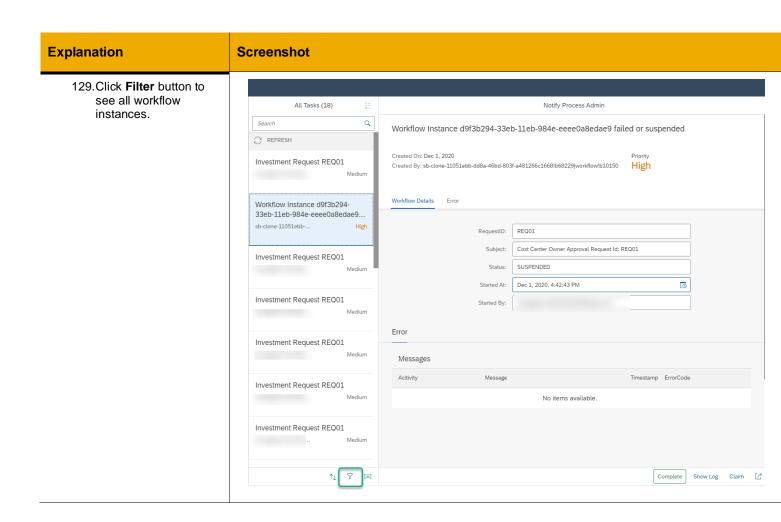


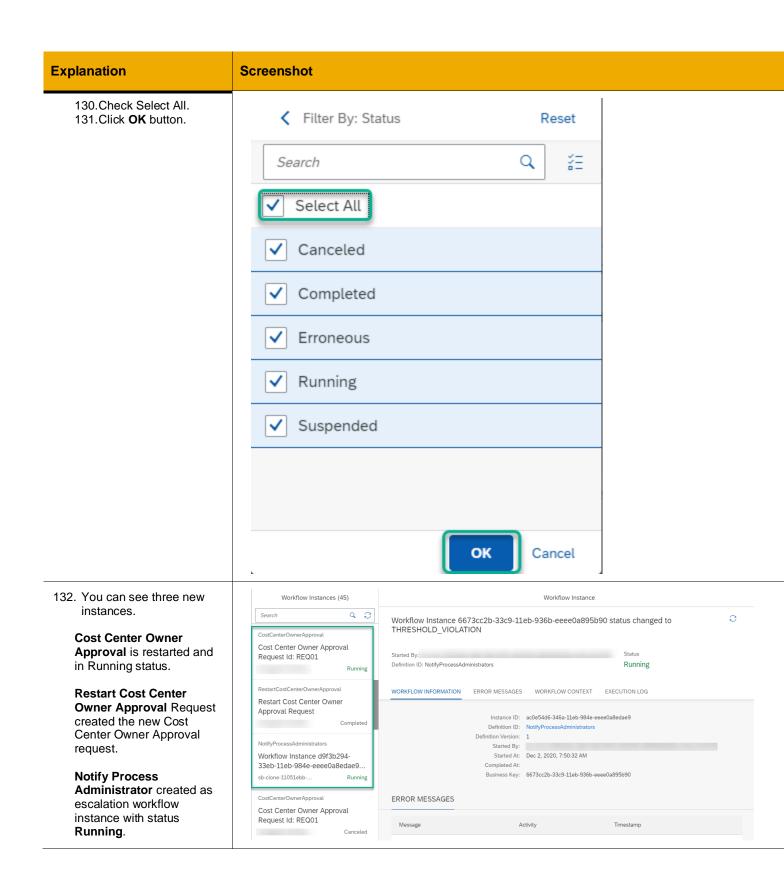
### **Explanation Screenshot** SAP Home ▼ **Trigger Actions** Productivity Tools Development Tools Monitoring Tools In this section you will suspend a workflow instance My Inbox Process Flexibility Process Workspace to change the process status, Cockpit it will trigger the system centric action and enable 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 $\sum$ $\sum$

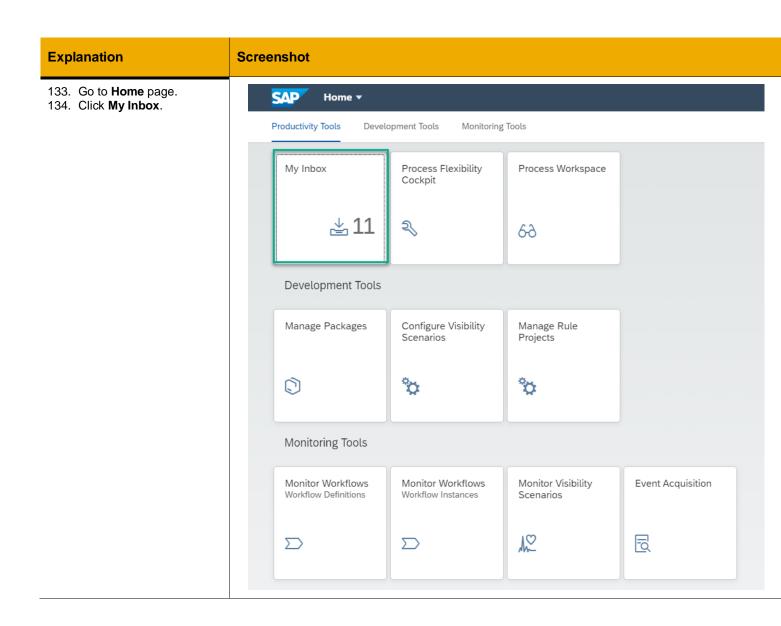
#### **Explanation Screenshot** 119. Select a Running instance < SAP Monitor Workflows ▼ and click Suspend button Workflow Instances (20) Workflow Instance in the footer. 9 3 0 Cost Center Owner Approval Request Id: REQ01 It will take maximum 5 minutes Filtered by: Status (Erroneous, Running, S... to 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 Suspended status. This will High 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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