



CHAPTER 4

Managing Automation for SAP BW and BWA Processes

This chapter provides information on using the product, specific to the Automation for SAP BW and BWA automation pack. It includes information on accessing the Automation for SAP BW and BWA processes and filtering for specific processes, managing the SAP BW and BWA processes, starting a process, and viewing a running process, its results, and the automation summary generated by the process.

It includes the following sections:

- [Accessing Automation for SAP BW and BWA Processes, page 4-2](#)
- [Managing SAP Processes, page 4-2](#)
- [Running Processes, page 4-6](#)
- [Viewing Process Results, page 4-8](#)
- [Viewing Automation Summary, page 4-9](#)



Note

Before you can run the Automation for SAP BW processes, you must configure the objects that are referenced by the processes and activities. See the *Intelligent Automation for SAP 3.0 Installation Guide* for information on configuring the SAP-related objects in Process Orchestrator.

Accessing Automation for SAP BW and BWA Processes

The processes that ship with the product can be accessed from the Definitions—Processes view.

Step 1 On the Console, select the Definitions workspace and click **Processes** in the navigation pane. By default, all the processes display in the Processes pane.

If you have multiple automation packs installed, you can filter the processes to display the processes specific to the automation pack.

Step 2 In the upper portion of the Processes pane, click the **Filter by** link and choose **Automation Pack**.

Step 3 In the drop-down list, choose **Automation for SAP BW and BWA**.

The processes display in the Processes pane.

Filtering Processes by Category

You can also filter the processes by category to find a specific process.

Step 1 In the upper portion of the Processes pane, click the **Filter by** link and choose **Category**.

Step 2 In the drop-down list, choose **SAP BW**.

Step 3 Scroll to the process.

Managing SAP Processes

This section provides information on managing the SAP BW and BWA processes, including:

- Enabling and disabling processes
- Enabling and disabling the process archival feature
- Modifying a process schedule

Enabling a Process


Some of the processes that ship with the automation packs are disabled by default to reduce the load on the server. These processes must be enabled before the other processes can be successfully executed.

Perform the following steps to enable a process.

Step 1 In the Processes view, navigate to the process that you want to enable (disabled processes appear dimmed).

Step 2 Use one of the following methods to enable the process:


- Right-click the process and choose **Enable** from the submenu.

- In the Process Editor, click the **General** tab and then check the **Enabled** check box. Click the **Save**  tool to save your changes to the process and close the Process Editor.
-

Disabling a Process

Disabling a process prevents the process from executing. You may want to disable some processes to reduce the load on your server or while you are modifying the process definition.

Perform the following steps to disable a process.


-
- Step 1** In the Processes view, navigate to the process that you want to disable.
 - Step 2** Use one of the following methods to disable the process:
 - Right-click the process and choose **Disable** from the submenu.
 - In the Process Editor, click the **General** tab and then uncheck the **Enabled** check box. Click the **Save**  tool to save your changes to the process and close the Process Editor.
-

Modifying Process Instance Archival

Cisco Process Orchestrator provides an option in the process definition that allows you to choose whether or not to archive process and activity execution in the Process OrchestratorProcess database. Disabling the archive option helps improve performance and minimizes the size of the database. It is also useful when debugging the execution of processes.

The automation packs shipped by Cisco normally have the archival functionality disabled by default for the SAP processes. If you want to view the execution of a process and its activities, or view the process instances after a process has completed, you must enable the archival functionality in the process definition.

-
- Step 1** In the Processes view, navigate to the process you want to flag for archival.
 - Step 2** Right-click the process and choose **Edit** from the submenu.
 - Step 3** On the process Properties dialog box, click the **Options** tab.
 - Step 4** On the **Options** tab, click one of the following radio buttons to indicate how you want to archive the process instance.

Field	Description
Never archive any instances	Click this radio button to indicate that the process should not be stored upon completion.
Only archive failed instances	Click this radio button to indicate that only failed instances should be archived.
Archive all completed instances	Click this radio button to indicate that the process should be stored upon completion.
Archive based on condition	Click this radio button to indicate that the process should be stored based on the condition (True/False) selected. Click the Browse  tool to launch the Archive Condition dialog box and select the condition.

Modifying a Process Schedule

Many of the processes that ship with the automation packs are triggered by a schedule. You can modify when the process will be executed by disabling the existing schedule and then creating a new schedule for the process. You use the process Properties dialog box to modify the process schedule.


Perform the following steps to assign a new schedule to a process.

-
- Step 1** In the Processes view, navigate to the process that you want to modify.
 - Step 2** Right-click the process and choose **Edit** from the submenu.
 - Step 3** On the process Properties dialog box, click the **Triggers** tab.
 - Step 4** On the Triggers tab, right-click the current **Schedule** and choose **Disable** from the submenu.
 - Step 5** Click **New > Schedule** to open the Schedule Properties dialog box to create a new schedule for this process.
 - Step 6** On the Schedule Properties dialog box, specify the criteria for the new schedule and click **OK**.



Note For information on creating schedules, see “Managing Triggers” in the *Process Orchestrator User Guide*.

The newly created schedule displays on the Triggers tab and is enabled.

- Step 7** Click the **Save**  tool to save your changes to the process and close the Process Editor.
-


Running Processes

The processes that ship with the product will run based on the trigger that was defined in the process definition. For processes that are triggered by a schedule, you can also manually start the process at any time (ad hoc).

**Note**

You can only view a running process and the process instances for processes that have the Archive all completed instances option enabled. See [Modifying Process Instance Archival, page 4-4](#) for information on enabling the archival feature on a specific process.

Starting a Process

-
- Step 1** In the Processes view, right-click the process and choose **Start Process**.
The Confirm Start Process dialog box displays.
This process is defined to run on systems in the All SAP ABAP target group. In this example, we will override the default target and select a specific system on which to run the process.
- Step 2** On the Confirm Start Process dialog box, check the **Override target (All SAP ABAP)** check box to expand the fields on the dialog box.
- Step 3** Click the **Target** radio button and then click the **Browse**  tool to open the Select Target dialog box.
- Step 4** Select the target in the list and then click **OK**.
- Step 5** On the Confirm Start Process dialog box, click **OK** to start the process.
The Start Process Results dialog box displays. Proceed to [Viewing Running Process, page 4-7](#).
-

Viewing Running Process

After starting the process, you can use the Process Viewer to view the process as it runs through each activity.

**Note**

You can only view a running process and the process instances for processes that have the Archive all completed instances option enabled. See [Modifying Process Instance Archival, page 4-4](#) for information on enabling the archival feature on a specific process.

-
- Step 1** On the Start Process Results dialog box, right-click the process and choose **Observe**.
The Process Viewer displays the process workflow.
- Step 2** View the process as it proceeds through the workflow.
The activities within the process workflow will change to green as they complete (succeed). If an activity fails, an incident is created.
- Step 3** When the process completes, close the Process Viewer and proceed to [Viewing Process Results, page 4-8](#).
-

Viewing Process Results

After a process completes, you can view the results in the Operations workspace. This section guides you through viewing the results from running the BW Checklist process.



Note

You can only view a running process and the process instances for processes that have the Archive all completed instances option enabled. See [Modifying Process Instance Archival, page 4-4](#) for information on enabling the archival feature on a specific process.

Accessing Process View

-
- Step 1** On the Console, select the Operations workspace.
 - Step 2** In the navigation pane, expand **Process Views** and click **View Adhoc** (since the BW Checklist process was manually executed).
 - Step 3** Using the **Filter by** link, choose **Category** and then choose **SAP BW** from the drop-down list.
 - Step 4** Scroll to the **BW Checklist** process and select it.
 - Step 5** In the View Results pane, expand the **BW Checklist** process to view each activity in the process workflow.
 - Step 6** Review the status of the process and each activity within the process to verify that it has succeeded.
-

Viewing Activity Results

You can view the results of a specific activity within the process using the Activity Instance Properties dialog box. In this example, we will view the results of the Get Database Type activity, which retrieves information about the SAP database associated with the SAP system.

-
- Step 1** In the View Results pane, scroll to the **Get Database Type** activity.
 - Step 2** Right-click **Get Database Type** and choose **Properties**.
 - Step 3** On the Get Database Type Properties dialog box, click the **Values** tab.
 - Step 4** When you have completed reviewing the results, click **Close** to close the dialog box.
-

Viewing Incidents

When a process detects an issue that requires action, an incident is generated. If you have configured the product to send notifications to a specific person in your organization, that person will receive an email notification whenever an incident is generated. You can also view these incidents in the Task Views on the Operations workspace.

In this example, we will view the incidents that were generated from the BW Checklist process.

-
- Step 1** On the Operations workspace, expand **Task Views** in the navigation pane and click **View Incidents**.
 - Step 2** In the View Incidents pane, click the **View all tasks** from the Task Assignee drop-down list to display all the incidents in the View Results pane.
 - Step 3** To view a specific incident, right-click the incident and choose **Open**.
The Incident Report displays in your web browser.

Viewing Automation Summary

When incidents are generated, Process Orchestrator delivers an online Automation Summary that details the analysis that was performed to identify a situation that may require action. It also shows relevant diagnostic and state information captured while performing the situation analysis, and provides a recommended resolution for the situation.

You can access the Automation Summary from the Tasks View on the Operations workspace.

-
- Step 1** On the Operations workspace, expand **Task Views** in the navigation pane and click **View Incidents**.
 - Step 2** In the View Incidents pane, click the **View all tasks** radio button to display the incidents in the View Results pane.
 - Step 3** Right-click **BW Checklist** and choose **View Automation Summary**.
The Automation Summary displays in your web browser.
-

