



## Reports Tab Reference

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The following topics describe the pages in the Reports tab. Topics are organized according to the following Reports tab options:

- [IP Telephony, page D-1](#)
- [Upload, page D-3](#)
- [Analysis, page D-6](#)
- [Import Policy Groups, page D-29](#)
- [Conflicts, page D-32](#)
- [Restore, page D-42](#)

### IP Telephony

The following topic describes the fields in the page that is accessed from the IP Telephony option:

- [Voice Ready Report Page, page D-2](#)

## Voice Ready Report Page

Use this page to view a report showing the readiness of the network for voice configuration. The report displays all the configurable and nonconfigurable devices in the current device group and deployment group.

To open this page, select **Reports > IP Telephony**.

**Table D-1** Voice Ready Report Page

Field	Description
Sys Name	Displays the system name of the device.  Click the Sys Name link for a device in the table to view details about the device. The Device Properties page appears for the selected device.
Primary Name	Displays the main IP address of the device.
Model	Displays the device model.
OS	Displays the version of the operating system on the device.
Mapped OS	Displays the mapped OS version that QPM assigned to the device.
Voice Status	Displays a check mark if the device is configured for voice. If the device is not configurable for voice, the field will remain blank.
Reason	Displays an explanation of why the device is not configurable for voice.

### Related Topics

- [Viewing and Editing Device Properties, page 4-15](#)
- [Viewing the Voice Ready Report, page 5-25](#)
- [Using QPM Tables, page 3-8](#)

# Upload

The following topics describe the fields in the pages that are accessed from the Upload option:

- [Upload Reports Page, page D-3](#)
- [Upload Report, page D-4](#)

## Upload Reports Page

Use this page to select a report displaying the status of the process of uploading QoS configurations to QPM.

To open this page, do any of the following:

- Select **Reports > Upload**.
- Click **View** in the dialog box that opens after the Upload process starts.

**Table D-2** Upload Reports Page

Field	Description
Start Date	Displays the date and time the upload process started.
Complete Date	Displays the date and time the upload process completed.
User Name	Displays the name of the user who ran the upload task.
Status	Displays the status of the upload process: <ul style="list-style-type: none"> <li>• In progress—Upload process is in progress. You cannot view the Upload report if the status is In progress.</li> <li>• Completed—The Upload process has completed. You can view the Upload report.</li> <li>• Failed—QPM could not complete the upload process. The upload report displays the error.</li> </ul>
View button	Click to view the Upload report with details of the selected upload task. See <a href="#">Upload Report, page D-4</a> for details.

**Table D-2 Upload Reports Page (continued)**

Field	Description
Delete button	Click to delete the selected upload report.
Refresh Rate	Select the rate at which the page refreshes with updated information.

**Related Topics**

- [Uploading Device QoS Configurations to Policy Groups, page 6-16](#)

## Upload Report

The Upload report displays general information for the report, and for each uploaded device, the following two tables:

- Errors and warnings—Displays details about the information, warning, and error messages generated by the upload process.
- Uploaded policies—Displays information about the policy groups created by the upload process.

To open the Upload report, in the Upload Reports page, select an upload task and click **View**, or click on the Start Date link of the required report.

**Table D-3 Upload Report - General Information**

Field	Description
User Name	Displays the name of the user who ran the upload task.
Start Date	Displays the date and time the upload process started. Click to open the report for the corresponding upload task.
Complete Date	Displays the date and time the upload process completed.
Report Type	Displays the type of report—Upload.
Report Description	Displays the description of the report.

**Table D-4 Upload Report - Errors and Warnings**

Field	Description
#	Displays the error number.
Network Element	Displays the type of network element to which the error applies, if relevant.
Severity	Displays the severity of the error or warning.
QoS Feature	Displays the QoS feature to which the error applies.
Message	Displays the error message.
CLI Configuration	Displays the CLI command to which the message applies, if relevant.

**Table D-5 Upload Report - Uploaded Policies**

Field	Description
#	Displays the line number in the report table.
Policy Group Name	Displays the name of the policy groups.
Network Elements	Displays the network elements assigned to each policy group.
QoS Properties	Displays the number of QoS properties defined for each policy group.
In Policies	Displays the number of inbound policies for each policy group.
Out Policies	Displays the number of outbound policies for each policy group.

**Related Topics**

- [Upload Reports Page, page D-3](#)

# Analysis

The following topics describe the fields in the pages that are accessed from the Analysis option:

- [Historical Monitoring Tasks Page](#), page D-6
- [Historical Monitoring Task Wizard](#), page D-8
- [Historical Reports Pages](#), page D-12
- [Real-Time Monitoring Tasks Page](#), page D-22
- [Real-Time Monitoring Wizard](#), page D-23
- [QoS Policy Manager - Real Time Report Window](#), page D-24

## Historical Monitoring Tasks Page

Historical monitoring tasks collect data for historical monitoring reports.

Use this page to:

- View historical monitoring reports.
- View, create, edit, delete, and stop historical monitoring tasks.
- Export collected data from tasks.

To open this page, select **Reports > Analysis**.

When the historical QoS analysis data collected by QPM reaches the configured disk space limit, the following happens:

- All running monitoring tasks are stopped automatically, and are set to the status “Stopped due to out of disk space.”
- The next time you open the Historical Monitoring Tasks page, a message notifies you that the disk space limit was reached and provides recover instructions. This message only appears on the Historical Monitoring Tasks page. You will not receive notification that the disk space limit was reached until you open this page.

All data collected before the tasks were stopped is available for display in reports. To free the necessary disk space and continue monitoring, you must delete the stopped tasks and run the database rebuild utility. Then you can recreate the deleted tasks to resume running them.

For instructions for recovering from running out of analysis disk space, see [Freeing Disk Space for QoS Analysis, page 9-17](#).

**Table D-6 Historical Monitoring Tasks Page**

Field	Description
Check box column	Select check box to select its row.
Name	Displays the task name.
Description	Displays the task description.
Status	<p>Displays the task status. The following are the possible statuses:</p> <ul style="list-style-type: none"> <li>• Processing—The initial status for tasks, indicating the task is being created.</li> <li>• Running—Task is running correctly and collecting data.</li> <li>• Stopped—Task was stopped by user request.</li> <li>• Stopped due to disk space limit—The amount of collected data reached the configured disk space limit.</li> <li>• Collector Error—Task could not be created because of a data collection error.</li> <li>• In Edit—The task is disabled, and has not started yet.</li> <li>• Finished—The task successfully finished. It will not collect any more data.</li> </ul>
View report button	Click to view a report of the selected task. The Matching and Dropped Traffic for Policies page appears.
Create button	Click to create a new task. The Task Definition page appears.
Edit button	<p>Click to edit a task that is in an error status. The Task Definition page appears.</p> <p>You can edit tasks in the following statuses:</p> <ul style="list-style-type: none"> <li>• Processing—QPM is processing the task. Refresh the page until the status changes.</li> <li>• Collector Error</li> <li>• In Edit</li> </ul>
Delete button	Click to delete the selected task. A confirmation dialog box opens.

**Table D-6** Historical Monitoring Tasks Page (continued)

Field	Description
Stop button	Click to stop a running task.
Export Data button	Click to export a task's collected monitoring data to a zip file that contains a set of XML data files. The browser file download process starts.  Ensure that you have the unzip application recreate the folder structure of the zipped files when unzipping them. Each interface has a separate folder. Within each folder is a separate file for each policy defined on the interface.
Refresh Rate	Select a page refresh rate from the list. The refresh rate determines how often the page refreshes with updated information.

## Historical Monitoring Task Wizard

Use the Historical Monitoring Task wizard to create and edit historical monitoring tasks.

The Historical Monitoring Task wizard contains the following pages:

- [Monitoring Task Wizard - Task Definition Page, page D-8](#)
- [Monitoring Task Wizard - Select Devices Page, page D-9](#)
- [Monitoring Task Wizard - Select Interfaces Page, page D-10](#)
- [Monitoring Task Wizard - Select Policies Page, page D-11](#)
- [Monitoring Task Wizard - Summary Page, page D-12](#)

### Monitoring Task Wizard - Task Definition Page

Use this page to define basic properties of the historical monitoring task.

To open this page, select **Reports > Analysis**. The Historical Monitoring Tasks page appears. Then do one of the following:

- To create a new task, click **Create**.
- To edit a task that is in an error status, select the check box next to the task name, then click **Edit**.

**Table D-7 Monitoring Task Wizard - Task Definition Page**

Field	Description
Name	Enter a task name. Valid characters are alphanumeric, space, hyphen, and underscore.
Polling Interval	Select a polling interval, which is the frequency at which the task will poll data, in minutes.
Start Time and End Time	Enter task start and end times using the date and time fields. Optionally, select the calendar tool to select a date. Enter dates in mm/dd/yyyy format. Enter times in 24-hour format (for example, 06:00 is 6:00 a.m.).  Each task has a maximum running duration that is based on the polling interval you select. These duration limits are listed in <a href="#">Performing Historical QoS Analysis, page 9-7</a> . You cannot configure an end time that exceeds the maximum running duration of the polling interval you have selected.
Enabled	Select to enable the job immediately after finishing the task definition. Deselect to disable the task.  The task will not begin collecting data until the configured start time, regardless of the status of the Enabled check box. If the Enabled check box is not selected, the task will not begin collecting data, even if the configured start time passes.
Enter a comment or description	Enter a description of the task or a comment about it.
Back button	Click to return to the previous step.
Next button	Click to proceed to the next step.
Cancel button	Click to cancel task creation and exit the wizard.

## Monitoring Task Wizard - Select Devices Page

Use this page to select the devices that contain the interfaces that you want to monitor.

Only devices that can be monitored are listed. Although QPM might support the creation and deployment of policies to a device, that device might not collect sufficient data for QPM to monitor QoS on the device, or you might not have create supported policy types on any of the device's interfaces.

To open this page, do one of the following:

- Click **Next** in the [Monitoring Task Wizard - Task Definition Page](#).
- Select **Select Interfaces** from the wizard Navigation list.

**Table D-8 Monitoring Task Wizard - Select Devices Page**

Field	Description
Check box column	Select the check box to select its row.
Sys Name	Displays the device's sys name.
IP Address	Displays the device's IP address.
Model	Displays the device's model.
OS Version	Displays the device's OS version.
Mapped OS Version	Displays the mapped OS version that QPM assigned to the device.
Back button	Click to return to the previous step.
Next button	Click to proceed to the next step.
Cancel button	Click to cancel task creation and exit the wizard.

## Monitoring Task Wizard - Select Interfaces Page

Use this page to select the interfaces that you want to monitor.

To open this page, do one of the following:

- Click **Next** in the [Monitoring Task Wizard - Select Devices Page](#).
- Select **Select Interfaces** from the wizard Navigation list.

**Table D-9 Monitoring Task Wizard - Select Interfaces Page**

Field	Description
Check box column	Select the check box to select its row.
Device Name	Displays the name of the device.
Interface Name	Displays the interface name.
Interface Type	Displays the interface type.
Interface Description	Displays the interface description.

**Table D-9 Monitoring Task Wizard - Select Interfaces Page (continued)**

Field	Description
Back button	Click to return to the previous step.
Next button	Click to proceed to the next step.
Cancel button	Click to cancel task creation and exit the wizard.

## Monitoring Task Wizard - Select Policies Page

Use this page to select the policies that you want to monitor.

To open this page, do one of the following:

- Click **Next** in the [Monitoring Task Wizard - Select Interfaces Page](#).
- Select **Select Policies** from the wizard Navigation list.

**Table D-10 Monitoring Task Wizard - Select Policies Page**

Field	Description
Check box column	Select the check box to select its row.
Device Name	Displays the device's name.
Interface Name	Displays the interface name.
Policy Group Name	Displays the policy group name.
Policy Name	Displays the policy name.
Direction	Displays the direction of the policy (in or out).
Policy Description	Displays the policy description.
Back button	Click to return to the previous step.
Next button	Click to proceed to the next step.
Cancel button	Click to cancel task creation and exit the wizard.

## Monitoring Task Wizard - Summary Page

Use this page to view a summary of the monitoring task and determine whether to edit, finish, or cancel it.

To open this page, do one of the following:

- Click **Next** in the [Monitoring Task Wizard - Select Policies Page](#).
- Select **Summary** from the wizard Navigation list.

**Table D-11 Monitoring Task Wizard - Summary Page**

Field	Description
Name	Displays task name.
Collector	Displays the agent that is collecting data.
Polling Interval(min)	Displays the task polling interval in minutes.
Start Time	Displays the task start time.
End Time	Displays the task end time.
Enabled	Indicates whether the job is enabled.
Description	Displays the task description.
Selected Interfaces and Policies	Displays a list of the interfaces and policies you have selected to monitor.
Back button	Click to return to the previous step.
Next button	Click to proceed to the next step.
Finish button	Click to finish the wizard and create the task.
Cancel button	Click to cancel task creation and exit the wizard.

## Historical Reports Pages

The following pages are accessible by launching a historical monitoring report:

- [Policies Graphs: Matching and Dropped Traffic for Policies Page](#), page D-13
- [Filters Graphs: Matching Traffic for Filter Conditions Page](#), page D-16
- [Actions Graphs: Policy Actions on Matching Traffic Page](#), page D-18

The historical policy analysis graphs do not show the effect of traffic dropping for reasons other than QoS policy actions, such as dropping because of full queues. Therefore, it is possible that the traffic volume shown for an interface will be greater than the capacity of the interface. In this case, if you set the vertical axis to percentage, the traffic volume for the interface will exceed 100% of the interface's capacity.

## Policies Graphs: Matching and Dropped Traffic for Policies Page

Use this page to view data that shows how much traffic matched the policies and whether it was transmitted or dropped. You can customize the page with the customization controls.

To open this page, do any of the following:

- Click **View Report** in the [Historical Monitoring Tasks Page](#).
- Click **Policies Graphs** in any historical monitoring report page.



### Note

- You will not see data on the historical graphs immediately after the task starts. Depending on when you start the task, the length of the polling interval, and how many other tasks are being run concurrently, it can take up to several hours to see graphed data, due to how QPM collects the data and writes it to the QPM database. To see any data in the graphs, your task must include at least three polling periods. For example, if you use a polling period of 30 minutes, and run the task for only one hour, you will not see any graphed data for the task. If you need to see data immediately, as it is collected, use real-time monitoring.
- If a device is not successfully polled (for example, when a device is unreachable), a red triangle appears along the X axis at the point where the device data could not be collected. The graph uses the last collected data values in the graph, which will appear as straight lines until the device is successfully polled. For bar graphs, a red triangle indicates there was at least one unsuccessful polling period in the bar.

**Table D-12 Policies Graphs - Matching and Dropped Traffic for Policies Page**

Field	Description
Graph Type	Select the graph type to display: <ul style="list-style-type: none"> <li>• <b>Line</b>—Presents data in a line chart format.</li> <li>• <b>Bar</b>—Presents data in a bar chart format.</li> </ul>
Units	Select the units to display in the graphs: <ul style="list-style-type: none"> <li>• <b>Packets/second</b>—Displays data flow rates in packets per second.</li> <li>• <b>Bits/second</b>—Displays data flow rates in bits per second.</li> </ul>
Vertical Axis	Select the vertical scale for graphs: <ul style="list-style-type: none"> <li>• <b>Linear</b>—Displays the vertical scale of charts in linear format (the distance between units remains constant).</li> <li>• <b>Logarithmic</b>—Displays the vertical scale of charts in logarithmic format (the distance between units gets smaller as the total gets higher).</li> <li>• <b>Percentage</b>—Displays the vertical scale of charts as a percentage of the total bandwidth available on the interface.</li> </ul>
Group	Select how to group the objects that are displayed in the graphs: <ul style="list-style-type: none"> <li>• <b>Policy</b>—Organizes the report according to policy groups.</li> <li>• <b>Interface</b>—Organizes the report according to interfaces.</li> </ul>
From Time and To Time	Select the period of time you want to view in the report: <ul style="list-style-type: none"> <li>• Enter dates in the first From Time and To Time fields in the format <i>mm/dd/yyyy</i>, or click the calendar icons to select dates from the Calendar dialog box.</li> <li>• Enter times in the second From Time and To Time fields in 24-hour format.</li> </ul>
Apply button	Click to view only data collected during the period defined by the From Time and To Time controls.
Reset button	Click to reset the time period displayed in the From Time and To time controls to the collection period defined for the analysis task.

**Table D-12 Policies Graphs - Matching and Dropped Traffic for Policies Page (continued)**

Field	Description
Policy/Interface selection table	Select which policies or interfaces (depending on the selection in the Group list box) to display in the report by selecting the check box next to the policies or interfaces you want to view in the right pane of the report, then click <b>Show Graphs</b> .
Show Graphs button	Click to update the graphs to display the policies and interfaces selected using the policy-interface selection table
Matching Traffic Per Class Prior to QoS Actions graphs	Displays the traffic that matched each policy group's filters, before any policy actions were performed.  This data is obtained from the cbQosCMPrePolicyPkt and cbQosCMPrePolicyByte MIB variables.
Matching Traffic Per Class After QoS Actions	Displays the traffic that matched each policy group's filters and was transmitted (not dropped) by the configured QoS policies.  This data is obtained as follows: <ul style="list-style-type: none"> <li>• The bits data is obtained from the cbQosCMPostPolicyByte MIB variable.</li> <li>• The packets data is obtained by subtracting the cbQosCMDropPkt MIB variable from the cbQosCMPrePolicyPkt MIB variable.</li> </ul>
Matching Traffic Per Class Discarded by QoS Drop Actions	Displays the traffic that matched each policy group's filters and was dropped (not transmitted) by QoS policy drop actions.  This data is obtained from the cbQosCMDropPkt and cbQosCMDropByte MIB variables.
Policies Graphs button	Click to open the <a href="#">Policies Graphs: Matching and Dropped Traffic for Policies Page</a> .
Filters Graphs button	Click to open the <a href="#">Filters Graphs: Matching Traffic for Filter Conditions Page</a>
Actions Graphs button	Click to open the <a href="#">Actions Graphs: Policy Actions on Matching Traffic Page</a>
Back to Task List button	Click to open the <a href="#">Historical Monitoring Tasks Page</a> .

## Filters Graphs: Matching Traffic for Filter Conditions Page

Use this page to view data that shows how matching traffic was distributed among the policy filter conditions. You can customize the page with the customization controls.

To open this page, click **Filters Graphs** in any historical monitoring report page.



### Note

- You will not see data on the historical graphs immediately after the task starts. Depending on when you start the task, the length of the polling interval, and how many other tasks are being run concurrently, it can take up to several hours to see graphed data, due to how QPM collects the data and writes it to the QPM database. To see any data in the graphs, your task must include at least three polling periods. For example, if you use a polling period of 30 minutes, and run the task for only one hour, you will not see any graphed data for the task. If you need to see data immediately, as it is collected, use real-time monitoring.
- If a device is not successfully polled (for example, when a device is unreachable), a red triangle appears along the X axis at the point where the device data could not be collected. The graph uses the last collected data values in the graph, which will appear as straight lines until the device is successfully polled. For bar graphs, a red triangle indicates there was at least one unsuccessful polling period in the bar.

**Table D-13 Filters Graphs - Matching Traffic for Filter Conditions Page**

Field	Description
Graph Type	Select the graph type to display: <ul style="list-style-type: none"> <li>• <b>Line</b>—Presents data in a line chart format.</li> <li>• <b>Bar</b>—Presents data in a bar chart format.</li> </ul>
Units	Select the units to display in the graphs: <ul style="list-style-type: none"> <li>• <b>Packets/second</b>—Displays data flow rates in packets per second.</li> <li>• <b>Bits/second</b>—Displays data flow rates in bits per second.</li> </ul>

**Table D-13 Filters Graphs - Matching Traffic for Filter Conditions Page (continued)**

Field	Description
Vertical Axis	Select the vertical scale for graphs: <ul style="list-style-type: none"> <li>• <b>Linear</b>—Displays the vertical scale of charts in linear format (the distance between units remains constant).</li> <li>• <b>Logarithmic</b>—Displays the vertical scale of charts in logarithmic format (the distance between units gets smaller as the total gets higher).</li> <li>• <b>Percentage</b>—Displays the vertical scale of charts as a percentage of the total bandwidth available on the interface.</li> </ul>
Group	Select how to group the objects that are displayed in the graphs: <ul style="list-style-type: none"> <li>• <b>Policy</b>—Organizes the report according to policy groups.</li> <li>• <b>Interface</b>—Organizes the report according to interfaces.</li> </ul>
From Time and To Time	Select the period of time you want to view in the report: <ul style="list-style-type: none"> <li>• Enter dates in the first From Time and To Time fields in the format <i>mm/dd/yyyy</i>, or click the calendar icons to select dates from the Calendar dialog box.</li> <li>• Enter times in the second From Time and To Time fields in 24-hour format.</li> </ul>
Apply button	Click to view only data collected during the period defined by the From Time and To Time controls.
Reset button	Click to reset the time period displayed in the From Time and To time controls to the collection period defined for the analysis task.

**Table D-13 Filters Graphs - Matching Traffic for Filter Conditions Page (continued)**

Field	Description
Filters graphs	<p>Displays how much traffic in each class matched each of the class' filters.</p> <p>Each graph includes a legend that shows the time period represented by each point on the poll time (horizontal) axis.</p> <p>The correlation between the filters shown in this graph and the filter rules configured in the policy is not exact. Whenever possible, QPM translates the filter rules configured in QPM to modular CLI match statements, but there are cases in which only ACL translation can reflect the filter definition, resulting in multiple filter rules being combined into one match statement (rules combined by OR become separate match statements; rules combined by AND are combined into one match statement).</p> <p>This data is obtained from the cbQosMatchPrePolicyPkt and cbQosMatchPrePolicyByte MIB variables.</p>
Policies Graphs button	Click to open the <a href="#">Policies Graphs: Matching and Dropped Traffic for Policies Page</a> .
Filters Graphs button	Click to open the <a href="#">Filters Graphs: Matching Traffic for Filter Conditions Page</a>
Actions Graphs button	Click to open the <a href="#">Actions Graphs: Policy Actions on Matching Traffic Page</a>
Back to Task List button	Click to open the <a href="#">Historical Monitoring Tasks Page</a> .

## Actions Graphs: Policy Actions on Matching Traffic Page

Use this page to view data that shows the policy actions that were taken on matching traffic. You can customize the page with the customization controls.

To open this page, click **Actions Graphs** in any historical monitoring report page.



### Note

- You will not see data on the historical graphs immediately after the task starts. Depending on when you start the task, the length of the polling interval, and how many other tasks are being run concurrently, it can take up to several hours to see graphed data, due to how QPM collects the data and writes it to

the QPM database. To see any data in the graphs, your task must include at least three polling periods. For example, if you use a polling period of 30 minutes, and run the task for only one hour, you will not see any graphed data for the task. If you need to see data immediately, as it is collected, use real-time monitoring.

- If a device is not successfully polled (for example, when a device is unreachable), a red triangle appears along the X axis at the point where the device data could not be collected. The graph uses the last collected data values in the graph, which will appear as straight lines until the device is successfully polled. For bar graphs, a red triangle indicates there was at least one unsuccessful polling period in the bar.

**Table D-14 Actions Graphs - Policy Actions on Matching Traffic Page**

Field	Description
Graph Type	Select the graph type to display: <ul style="list-style-type: none"> <li>• <b>Line</b>—Presents data in a line chart format.</li> <li>• <b>Bar</b>—Presents data in a bar chart format.</li> </ul>
Units	Select the units to display in the graphs: <ul style="list-style-type: none"> <li>• <b>Packets/second</b>—Displays data flow rates in packets per second.</li> <li>• <b>Bits/second</b>—Displays data flow rates in bits per second.</li> </ul>
Vertical Axis	Select the vertical scale for graphs: <ul style="list-style-type: none"> <li>• <b>Linear</b>—Displays the vertical scale of charts in linear format (the distance between units remains constant).</li> <li>• <b>Logarithmic</b>—Displays the vertical scale of charts in logarithmic format (the distance between units gets smaller as the total gets higher).</li> <li>• <b>Percentage</b>—Displays the vertical scale of charts as a percentage of the total bandwidth available on the interface.</li> </ul>
Group	Select how to group the objects that are displayed in the graphs: <ul style="list-style-type: none"> <li>• <b>Policy</b>—Organizes the report according to policy groups.</li> <li>• <b>Interface</b>—Organizes the report according to interfaces.</li> </ul>

**Table D-14 Actions Graphs - Policy Actions on Matching Traffic Page (continued)**

Field	Description
From Time and To Time	Select the period of time you want to view in the report: <ul style="list-style-type: none"> <li>Enter dates in the first From Time and To Time fields in the format <i>mm/dd/yyyy</i>, or click the calendar icons to select dates from the Calendar dialog box.</li> <li>Enter times in the second From Time and To Time fields in 24-hour format.</li> </ul>
Apply button	Click to view only data collected during the period defined by the From Time and To Time controls.
Reset button	Click to reset the time period displayed in the From Time and To time controls to the collection period defined for the analysis task.
Policy Actions graphs	See <a href="#">Policy Actions Graphs, page D-20</a> .
Policies Graphs button	Click to open the <a href="#">Policies Graphs: Matching and Dropped Traffic for Policies Page</a> .
Filters Graphs button	Click to open the <a href="#">Filters Graphs: Matching Traffic for Filter Conditions Page</a>
Actions Graphs button	Click to open the <a href="#">Actions Graphs: Policy Actions on Matching Traffic Page</a>
Back to Task List button	Click to open the <a href="#">Historical Monitoring Tasks Page</a> .

### Policy Actions Graphs

Policy actions graphs display information about traffic that was dropped because of policy actions. Only actions that are configured in a policy will appear in this page. For example, if a policy has queuing and policing actions assigned, only actions graphs for queuing and policing will appear.

The following actions can appear in the graphs:

- Policing—Displays the following traffic amounts:
  - Conformed—Traffic conformed to rate limit.

This data is obtained from the `cbQosPoliceConformedPkt` and `cbQosPoliceConformedByte` MIB variables.

- Exceeded—Traffic exceeded rate limit.  
This data is obtained from the cbQosPoliceExceededPkt and cbQosPoliceExceededByte MIB variables.
  - Violated—Traffic violated rate limit.  
This data is obtained from the cbQosPoliceViolatedPkt and cbQosPoliceViolatedByte MIB variables.
- Queuing—Displays the amount of traffic dropped due to queuing.  
This data is obtained from the cbQosQueueingDiscardByte and cbQosQueueingDiscardPkt MIB variables.
- WRED—Displays counts of the following per precedence level:
  - Random drop—Traffic exceeded minimum but was less than maximum count.  
This data is obtained from the cbQosREDRandomDropPkt and cbQosREDRandomDropByte MIB variables.
  - Tail drop—Traffic exceeded maximum count.  
This data is obtained from the cbQosREDTailDropPkt and cbQosREDTailDropByte MIB variables.
  - Transmit counter—Traffic was transmitted.  
This data is obtained from the cbQosREDTransmitPkt and cbQosREDTransmitByte MIB variables.
- Traffic Shaping—Displays counts of the following:
  - Delayed traffic.  
This data is obtained from the cbQosTSStatsDelayedByte and cbQosTSStatsDelayedPkt MIB variables.
  - Traffic drop due to traffic shaping.  
This data is obtained from the cbQosTSStatsDropByte and cbQosTSStatsDropPkt MIB variables.
- CAR action (non-modular QoS)—Displays counts of the following:
  - Bytes/packets that conformed to rate limit.
  - Packets/bytes that exceeded rate limit.

## Real-Time Monitoring Tasks Page

Real-time tasks define the data to display in a real-time monitoring report.

Use this page to:

- View real-time monitoring reports.
- View, create, edit, and delete real-time monitoring tasks.

To open this page, select **Reports > Analysis**, then select **Real-Time** from the TOC.

**Table D-15 Real-Time Monitoring Tasks Page**

Field	Description
Check box column	Select check box to select its row.
Name	Displays task name.
Description	Displays task description.
Status	Displays task status. The only status that will appear is Ready to run, which indicates that the task is ready to run.
Run button	Click to run the selected task's report. A QoS Policy Manager - Real-Time Report window appears.  You can run multiple real-time monitoring reports at the same time. Each report appears in a separate report window.
Create button	Click to create a new task. The Real Time Monitoring Wizard - Device Selection page appears.
Edit button	Click to edit the selected task. The Real Time Monitoring Wizard - Device Selection page appears.
Delete button	Click to delete the selected task. A confirmation dialog box opens.
Refresh Rate	Select a page refresh rate from the list. The refresh rate determines how often the page refreshes with updated information.

## Real-Time Monitoring Wizard

Use the Real-Time Monitoring wizard to create and edit historical monitoring tasks.

The Real-Time Monitoring wizard contains the following pages:

- [Real-Time Monitoring Wizard - Device Selection Page, page D-23](#)
- [Real-Time Monitoring Wizard - Interface Selection Page, page D-24](#)

### Real-Time Monitoring Wizard - Device Selection Page

Use this page to define basic properties of the real-time monitoring task and select the device that contains the interface to monitor.

To open this page, select **Reports > Analysis**, then select **Real-Time** from the TOC. The Real-Time Monitoring Tasks page appears. Then do one of the following:

- To create a new task, click **Create**.
- To edit a task, select the check box next to the task name, then click **Edit**.

**Table D-16 Real-Time Monitoring Wizard - Device Selection Page**

Field	Description
Name	Enter a task name.
Polling Interval	Select a polling interval, which is the frequency at which the task will poll data, in minutes.
Radio button column	Select a radio button to select its row.
Sys Name	Displays the device's sys name.
IP Address	Displays the device's IP address.
Model	Displays the device model.
OS Version	Displays the device's OS version.
Mapped OS Version	Displays the mapped OS version that QPM assigned to the device.
Device Folder	The QPM device folder that contains the device.
Enter a comment or description	Enter a description of the task or a comment about it.

**Table D-16 Real-Time Monitoring Wizard - Device Selection Page (continued)**

Field	Description
Next button	Click to proceed to the next step.
Cancel button	Click to cancel task creation and exit the wizard.

## Real-Time Monitoring Wizard - Interface Selection Page

Use this page to select the interface that the task will monitor.

To open this page, click **Next** in the [Real-Time Monitoring Wizard - Device Selection Page](#).

**Table D-17 Real-Time Monitoring Wizard - Interface Selection Page**

Field	Description
Radio button column	Select a radio button to select its row.
Interface Name	Displays the interface name.
Interface Type	Displays the interface type.
Interface Description	Displays the interface description.
Back button	Click to return to the previous step.
Finish button	Click to finish the wizard and create the task. The task's report appears in the QoS Policy Manager - Real Time Report window.
Cancel button	Click to cancel task creation and exit the wizard.

## QoS Policy Manager - Real Time Report Window

Use this window to view a real-time monitoring report.

To open this window, click **Run** in the [Real-Time Monitoring Tasks Page](#).

The real-time policy analysis graphs do not show the effect of traffic dropping for reasons other than QoS policy actions, such as dropping because of full queues. Therefore, it is possible that the traffic volume shown for an interface will be greater than the capacity of the interface. In this case, if you set the vertical axis to percentage, the traffic volume for the interface will exceed 100% of the interface's capacity.

**Note**

If a device is not successfully polled (for example, when a device is unreachable), a red triangle appears along the X axis at the point where the device data could not be collected. The graph uses the last collected data values in the graph, which will appear as straight lines until the device is successfully polled. For bar graphs, a red triangle indicates there was at least one unsuccessful polling period in the bar.

**Table D-18 QoS Policy Manager - Real Time Report Window**

Field	Description
Graph Type	Select the graph type to display: <ul style="list-style-type: none"> <li>• <b>Line</b>—Presents data in a line chart format.</li> <li>• <b>Bar</b>—Presents data in a bar chart format.</li> </ul>
Units	Select the units to display in the graphs: <ul style="list-style-type: none"> <li>• <b>Packets/second</b>—Displays data flow rates in packets per second.</li> <li>• <b>Bits/second</b>—Displays data flow rates in bits per second.</li> </ul>
Vertical Axis	Select the vertical scale for graphs: <ul style="list-style-type: none"> <li>• <b>Linear</b>—Displays the vertical scale of charts in linear format (the distance between units remains constant).</li> <li>• <b>Logarithmic</b>—Displays the vertical scale of charts in logarithmic format (the distance between units gets smaller as the total gets higher).</li> <li>• <b>Percentage</b>—Displays the vertical scale of charts as a percentage of the total bandwidth available on the interface.</li> </ul>
Task Name	Displays the name of the task.
Task Start Time	Displays the start time of the task (when the report was run).
Device	Displays the IP address of the device that is monitored in the report.
Interface	Displays the interface name of the interface that is monitored in the report.

**Table D-18 QoS Policy Manager - Real Time Report Window (continued)**

Field	Description
Actual Polling Interval	Displays the polling interval at which the task polls for data.  This interval might be different than the polling interval configured for the task. If QPM is not able to poll at the interval configured for the task (due to network congestion, for example), it will determine the shortest interval at which it can poll, which is displayed in this field.
Policy selection controls	To select which policies to display in the report, select the check box next to the policies you want to view in the right pane of the report, then click <b>Show Graphs</b> .
Show Graphs button	Click to display only the policies selected in the policy selection controls.
Close Window button	Click to close report window.
Matching Traffic for Policies graph	Displays the traffic that matched each policy group's filters, before any policy actions were performed.  This data is obtained from the cbQosCMPrePolicyPkt and cbQosCMPrePolicyByte MIB variables.
Matching Traffic Per Class After QoS Actions graph	Displays the traffic that matched each policy group's filters and was transmitted (not dropped) by the configured QoS policies.  This data is obtained as follows: <ul style="list-style-type: none"> <li>• The bits data is obtained from the cbQosCMPPostPolicyByte MIB variable.</li> <li>• The packets data is obtained by subtracting the cbQosCMDropPkt MIB variable from the cbQosCMPrePolicyPkt MIB variable.</li> </ul>
Per Class Traffic Discarded By All QoS Drop Actions graph	Displays the traffic that matched each policy group's filters and was dropped (not transmitted) by QoS policy drop actions.  This data is obtained from the cbQosCMDropPkt and cbQosCMDropByte MIB variables.

**Table D-18 QoS Policy Manager - Real Time Report Window (continued)**

Field	Description
Filters graphs	<p>Displays how much traffic in each class matched each of the class' filters.</p> <p>Each graph includes a legend that shows the time period represented by each point on the poll time (horizontal) axis.</p> <p>The correlation between the filters shown in this graph and the filter rules configured in the policy is not exact. Whenever possible, QPM translates the filter rules configured in QPM to modular CLI match statements, but there are cases in which only ACL translation can reflect the filter definition, resulting in multiple filter rules being combined into one match statement (rules combined by OR become separate match statements; rules combined by AND are combined into one match statement).</p> <p>This data is obtained from the cbQosMatchPrePolicyPkt and cbQosMatchPrePolicyByte MIB variables.</p>
Actions graphs	See <a href="#">Policy Actions Graphs, page D-27</a> .

### Policy Actions Graphs

Policy actions graphs display information about the effect of policy actions. Only actions that are configured in a policy will appear in this page. For example, if a policy has queuing and policing actions assigned, only actions graphs for queuing and policing will appear.

The following actions can appear in the graphs:

- Policing—Displays the following traffic amounts:

- Conformed—Traffic conformed to rate limit.

This data is obtained from the cbQosPoliceConformedPkt and cbQosPoliceConformedByte MIB variables.

- Exceeded—Traffic exceeded rate limit.

This data is obtained from the cbQosPoliceExceededPkt and cbQosPoliceExceededByte MIB variables.

- Violated—Traffic violated rate limit.  
This data is obtained from the cbQosPoliceViolatedPkt and cbQosPoliceViolatedByte MIB variables.
- Queuing—Displays the amount of traffic dropped due to queuing.  
This data is obtained from the cbQosQueueingDiscardByte and cbQosQueueingDiscardPkt MIB variables.
- WRED—Displays counts of the following per precedence level:
  - Random drop—Traffic exceeded minimum but was less than maximum count.  
This data is obtained from the cbQosREDRandomDropPkt and cbQosREDRandomDropByte MIB variables.
  - Tail drop—Traffic exceeded maximum count.  
This data is obtained from the cbQosREDTailDropPkt and cbQosREDTailDropByte MIB variables.
  - Transmit counter—Traffic was transmitted.  
This data is obtained from the cbQosREDTransmitPkt and cbQosREDTransmitByte MIB variables.
- Traffic Shaping—Displays counts of the following:
  - Delayed traffic.  
This data is obtained from the cbQosTSSStatsDelayedByte and cbQosTSSStatsDelayedPkt MIB variables.
  - Traffic drop due to traffic shaping.  
This data is obtained from the cbQosTSSStatsDropByte and cbQosTSSStatsDropPkt MIB variables.
- CAR action (non modular QoS)—Displays counts of the following:
  - Bytes/packets that conformed to rate limit.
  - Packets/bytes that exceeded rate limit.

# Import Policy Groups

The following topics describe the fields in the pages that are accessed from the Import Policy Groups option:

- [Import Policy Groups Reports Page, page D-29](#)
- [Import Report, page D-30](#)

## Import Policy Groups Reports Page

Use this page to select a report displaying the status of the process of importing policies from a QPM 2.1.x export file. The QPM 2.1.x export file contains policy database information in XML format. QoS configurations to QPM.

To open this page, do any of the following:

- Select **Reports > Import Policy Groups**.
- Click **View** in the dialog box that opens after the Import process starts.

**Table D-19** *Import Policy Groups Report Page*

Field	Description
Start Date	Displays the date and time the import process started.
Complete Date	Displays the date and time the import process completed.
User Name	Displays the name of the user who ran the import task.
Status	Displays the status of the import process: <ul style="list-style-type: none"> <li>• In progress—Import process is in progress. You cannot view the Import report if the status is In progress.</li> <li>• Completed—The import process has completed. You can view the Import report.</li> <li>• Failed—QPM could not complete the import process. The import report displays the error.</li> </ul>
View button	Click to view the Import report with details of the selected import task. See <a href="#">Import Report, page D-30</a> for details.

**Table D-19 Import Policy Groups Report Page (continued)**

Field	Description
Delete button	Click to delete the selected import report.
Refresh Rate	Select the rate at which the page refreshes with updated information.

**Related Topics**

- [Importing Policies from QPM 2.1.x, page 10-11](#)

## Import Report

The Import report displays general information for the report, and the following two tables:

- Errors and warnings—Displays details about the information, warning, and error messages generated by the import process.
- Imported policies—Displays information about the policy groups created by the import process.

To open the Import report, in the Import Policy Groups Reports page, select an import task and click **View**, or click on the Start Date link of the required report.

**Table D-20 Import Report - General Information**

Field	Description
User Name	Displays the name of the user who ran the import task.
Start Date	Displays the date and time the import process started. Click to open the report for the corresponding import task.
Complete Date	Displays the date and time the import process completed.
Report Type	Displays the type of report—Import.
Report Description	Displays the description of the report.

**Table D-21 Import Report - Errors and Warnings**

Field	Description
#	Displays the error number.
Configured on (in QPM 2.1.x)	Displays the device, or network element, or QPM 2.1 device group, for the configuration to which the error applies.
Policy Name (in QPM 2.1.x)	Displays the name of the policy in QPM 2.1.x to which the error applies. If the error applies to the properties defined for the device, or interface, or QPM 2.1 device group, this field is empty.
Severity	Displays the severity of the error or warning.
QoS Feature	Displays the QoS feature to which the error applies, if relevant.
Message	Displays the error message.

**Table D-22 Import Report - Imported Policies**

Field	Description
#	Displays the line number in the report table.
Policy Group Name	Displays the name of the policy groups.
Network Elements	Displays the network elements assigned to each policy group.
QoS Properties	Displays the number of QoS properties defined for each policy group.
In Policies	Displays the number of inbound policies for each policy group.
Out Policies	Displays the number of outbound policies for each policy group.

**Related Topics**

- [Import Policy Groups Reports Page, page D-29](#)

# Conflicts

The following topics describe the fields in the pages that are accessed from the Conflicts option:

- [FRTS Conflicts - Subinterfaces Page, page D-32](#)
- [FRTS Conflicts - DLCIs Page, page D-33](#)
- [Assignment Conflicts Reports Page, page D-34](#)
- [Assignment Conflicts Report, page D-35](#)
- [Verify Device Configuration Page, page D-36](#)
- [Job Verification Details Page, page D-37](#)
- [Device Configuration Verification Wizard, page D-39](#)

## FRTS Conflicts - Subinterfaces Page

FRTS conflicts occur when subinterfaces are assigned to policy groups configured with Frame Relay Traffic Shaping (FRTS), but their parent interfaces have not been defined with FRTS.

Use the FRTS Conflicts - Subinterfaces page to generate a report that displays the assigned FRTS subinterfaces with FRTS conflicts in policy groups in the current deployment group.

**Note**

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To ensure that these subinterfaces will be configured on deployment, configure the parent interfaces with FRTS, or remove the subinterface from the FRTS policy group assignment.

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To open the FRTS Conflicts - Interfaces page, and generate a report, select **Reports > Conflicts**, then select **FRTS Subinterfaces** in the TOC.

**Table D-23 FRTS Conflicts - Subinterfaces Page**

Field	Description
Sys Name	Displays the system name of the device to which the frame relay subinterface belongs.
Name	Displays the name of the subinterfaces for which there is an FRTS conflict.
Type	Displays the types of interface to which the subinterface belongs.
Description	Displays the interface description.
Card Type	Displays the type of card on which the interface resides.
Rate	Displays the interface rates.
Device Folder	Displays the name of the device folder to which the device belongs.

**Related Topics**

- [FRTS Conflicts - DLCIs Page, page D-33](#)
- [Configuring FRTS Policies, page 6-58](#)

## FRTS Conflicts - DLCIs Page

FRTS conflicts occur when DLCIs are assigned to policy groups configured with Frame Relay Traffic Shaping (FRTS), but their parent interfaces have not been defined with FRTS.

Use the FRTS Conflicts - DLCIs page to generate a report that displays the assigned FRTS DLCIs with FRTS conflicts in policy groups in the current deployment group.

**Note**

To ensure that these DLCIs will be configured on deployment, configure the parent interfaces with FRTS, or remove the DLCI from the FRTS policy group assignment.

To open the FRTS Conflicts - DLCIs page, and generate a report, select **Reports > Conflicts**, then select **FRTS DLCIs** in the TOC.

**Table D-24 FRTS Conflicts - DLCIs Page**

Field	Description
Sys Name	Displays the system name of the device to which the DLCI belongs.
Name	Displays the name of the DLCI for which there is an FRTS conflict.
Interface Name	Displays the name of the parent interface of the DLCI.
Device Folder	Displays the name of the device folder to which the device belongs.

**Related Topics**

- [FRTS Conflicts - Subinterfaces Page, page D-32](#)
- [Configuring FRTS Policies, page 6-58](#)

## Assignment Conflicts Reports Page

Assignment conflict reports are generated in the following cases:

- Devices with policy group assignments are moved from one device group to another, as a result of synchronization of privileges. QPM removes the network element assignments of these devices.
- The IOS version on a device with policy group assignments is changed, either manually in the Device Properties page or by a rediscovery. If the policy groups to which the device is assigned contain QoS configurations that are no longer supported by the device IOS, QPM removes the network element assignments of the device.

Use the Assignment Conflicts Reports page to select a report showing the network element assignment conflicts.

To open the Assignment Conflicts Reports page, select **Reports > Conflicts**, then select **Assignments** in the TOC.

**Table D-25 Assignment Conflicts Reports Page**

Field	Description
Start Date	Displays the date and time the report was generated.
Complete Date	Displays the date and time the report was completed.

**Table D-25 Assignment Conflicts Reports Page (continued)**

Field	Description
User Name	Displays the name of the user who generated the report.
Status	Displays the status of the assignment report: <ul style="list-style-type: none"> <li>• In progress—The report is being generated. You cannot view a report in progress.</li> <li>• Completed—The report is complete. You can view the report.</li> </ul>
Report Type	Displays the type of report.
View button	Click to view details of the selected report. See <a href="#">Assignment Conflicts Report, page D-35</a> for details.
Delete button	Click to delete a report from the list.
Refresh Rate list box	Select the rate at which the page refreshes to obtain updated information.

## Assignment Conflicts Report

The Assignment Conflicts report displays the network element assignments that were removed when the mapped OS version of devices changed, or when devices were moved from their device group following a sync operation.

To open the Assignment Conflicts report, select a report in the Assignment Conflicts Reports page, and click **View**.

**Table D-26 Conflict Assignments Report**

Field	Description
User Name	Displays the name of the user who made the changes that caused the report to be generated.
Start Date	Displays the date and time the report was generated.
Complete Date	Displays the date and time the report was completed.
Report Type	Displays the type of report—Conflict Assignments.
Report SubTitle	Displays the cause of assignment conflicts in the report.
Report Description	Displays the description of the report.

**Table D-26 Conflict Assignments Report (continued)**

Field	Description
#	Displays the serial number of the assignment conflict.
Deployment Group Name	Displays the name of the deployment group with the assignment conflict.
Policy Group Name	Displays the name of the policy group with the assignment conflict.
Device Name	Displays the name of the device containing the network element whose assignment was removed.
Network Element Name	Displays the name of the network element whose assignment was removed.

**Related Topics**

- [Assignment Conflicts Reports Page, page D-34](#)

## Verify Device Configuration Page

Use this page to view all the device configuration verification requests that were created and those that are currently being executed.

To open this page, do any of the following:

- Select **Reports > Conflicts > Verify Device Configuration**.
- Click **Verify** in the Summary page of the Device Configuration Verification wizard.

**Table D-27 Verify Device Configuration Page**

Field	Description
Owner	The person who last saved the deployment job.
Deployment Group	The current deployment group.
Deployment Time	The date and time the last device verification was initiated for the job.
Status	The status of the device verification job—Pending, In Progress, Completed, or Failed.

**Table D-27 Verify Device Configuration Page (continued)**

Field	Description
Details	Click the Details icon for a device verification job to open its Job Details report, in which you can view the status of devices related to the job.
Refresh	Click to force a manual update of the displayed data.
New Verification	Click to open the Device Configuration Verification wizard for creating a new device configuration verification job.
View Verification Details	Click to view the details of the selected device configuration verification job. The Job Verification Details page appears.
Delete	Click to delete a selected device configuration verification job from the list.

**Related Topics**

- [Device Configuration Verification Wizard - Summary Page, page D-41](#)
- [Device Configuration Verification Wizard, page D-39](#)
- [Job Verification Details Page, page D-37](#)
- [Creating a Device Configuration Verification Job, page 7-30](#)
- [Step 3: Confirming the Wizard Information for a Verification Job, page 7-32](#)
- [Viewing the Device Configuration Verification Jobs, page 7-32](#)

## Job Verification Details Page

Use this page to view a detailed report for a selected device configuration verification job, including device status information.

To open this page, do any of the following:

- In the Verify Device Configuration page, select a device configuration verification job, and click **View Verification Details**.
- In the Verify Device Configuration page, select a device configuration verification job and click its **Details** icon.

**Table D-28 Job Verification Details Page**

Field	Description
Job Name	Displays the name of the device configuration verification job.
Deployment Group	Displays the name of the deployment group.
Device Group	Displays the name of the device group.
Job Status	Displays the status of the device verification job—Pending, In Progress, Completed, or Failed.
Owner	Displays the name of the person who last saved the device configuration verification job.
Creation Time	Displays the date and time the device configuration verification job was created.
Job Description	Displays a description of the device configuration verification job, if available.
Device Name/IP	Displays the device name or IP address.
Status	Displays the deployment status of the device.
Status Time	Displays the time the device received its status.
Errors/Warnings	Displays an error string, if available. In the case of a FAILED status, the CLI command that caused the error will also be displayed.
Match/Mismatch	Displays “Match” if the configuration assigned to the device in the current deployment group is the same as the configuration on the device.  Displays “Mismatch” if CLI changes were made on a device after deployment, indicating a mismatch between the deployment group and the device configuration.
View CLI Commands	Click to view the CLI commands that were used to configure the device. A Device Configuration Preview window opens.

**Related Topics**

- [Device Configuration Preview Window, page C-9](#)
- [Verify Device Configuration Page, page D-36](#)
- [Creating a Device Configuration Verification Job, page 7-30](#)

## Device Configuration Verification Wizard

The following topics describe the pages of the Device Configuration Verification wizard that guides you through the steps required to create a new device configuration verification job, for the devices in a deployment group.

The Device Configuration Verification wizard contains the following steps:

- [Device Configuration Verification Wizard - Deployment Group Selection Page, page D-39](#)
- [Device Configuration Verification Wizard - Device Selection and Preview Page, page D-40](#)
- [Device Configuration Verification Wizard - Summary Page, page D-41](#)

### Related Topics

[Using QPM Wizards, page 3-9](#)

## Device Configuration Verification Wizard - Deployment Group Selection Page

Use this page to select the deployment group that contains the devices whose configurations you want to verify.

To open this page, do any of the following:

- In the Verify Device Configuration page, click **New Verification**.
- In the Device Configuration Verification wizard navigation menu, select **Deployment Group Selection**.

**Table D-29 Device Configuration Verification Wizard - Deployment Group Selection Page**

Field	Description
Deployment Group	Select the deployment group whose devices you want to verify. Click the View list link to view a detailed list of all the current deployment groups.
Next button	Click to move to the next step of the wizard.
Finish button	Click to move to the last step of the wizard.

**Related Topics**

- [Deployment Groups List Page, page C-3](#)
- [Verify Device Configuration Page, page D-36](#)
- [Step 1: Selecting the Deployment Group for a Verification Job, page 7-30](#)

**Device Configuration Verification Wizard - Device Selection and Preview Page**

Use this page to select the devices whose configurations you want to verify, and preview their configurations. This page displays a list of all the devices that are part of the selected deployment group.

To open this page, do any of the following:

- In the Deployment Group Selection page of the Device Configuration Verification wizard, click **Next**.
- In the Device Configuration Verification wizard navigation menu, select **Device Selection and Preview**.

**Table D-30 Device Configuration Verification Wizard - Device Selection and Preview Page**

Field	Description
Device	Displays the device name or IP address.
Device Folder	Displays the name of the device folder.
Policy Configuration	Displays the current configuration for the device (Modified, Unchanged Policies). Click to open a Device Configuration Preview window that displays the configuration details of the selected device.
Back button	Click to move to the previous step of the wizard.
Next button	Click to move to the next step of the wizard.
Finish button	Click to move to the last step of the wizard.

**Related Topics**

- [Device Configuration Preview Window, page C-9](#)
- [Device Configuration Verification Wizard - Deployment Group Selection Page, page D-39](#)
- [Step 2: Previewing and Selecting the Devices for a Verification Job, page 7-31](#)

**Device Configuration Verification Wizard - Summary Page**

Use this page to verify the deployment group name and the number of devices selected for verification.

To open this page, do any of the following:

- In the Device Selection and Preview page of the Device Configuration Verification wizard, click **Next** or **Finish**.
- In the Device Configuration Verification wizard navigation menu, select **Summary**.

**Table D-31 Device Configuration Verification Wizard - Summary Page**

Field	Description
Deployment group name	The name of the deployment group.
Number of devices to be verified	The number of devices that were selected for verification.
Back button	Click to go back through the wizard to make any changes that are required.
Verify button	Click this button to activate the verification job. You are returned to the <a href="#">Verify Device Configuration Page, page D-36</a> , where you can see the status of the job. When it is completed, you can view the report by selecting it and clicking <b>View Verification Details</b> .

**Related Topics**

- [Verify Device Configuration Page, page D-36](#)
- [Device Configuration Verification Wizard - Device Selection and Preview Page, page D-40](#)
- [Step 3: Confirming the Wizard Information for a Verification Job, page 7-32](#)

# Restore

The following topic describes the fields in the page that is accessed from the Restore option:

- [Restore Reports Page, page D-42](#)

## Restore Reports Page

Use this page to view a report of all the deployment group restore operations for the current device group.

To open this page, select **Reports > Restore**.

**Table D-32** *Restore Reports Page*

Field	Description
Start Date	Displays the date the restore process started.
Complete Date	Displays the date the restore process completed.
User Name	Displays the name of the user who ran the restore process.
Status	Displays the status of the restore process for the device.
View button	Click to view details of a selected restore report. See <a href="#">Restore Validation Report Window, page C-5</a> for details.
Delete button	Click to delete a selected restore report from the list.
Refresh Rate list box	Select the rate at which the page refreshes to obtain updated information.

### Related topics

- [Restore Validation Report Window, page C-5](#)
- [Restoring and Deploying a Historical Deployment Group, page 7-15](#)