



CHAPTER 3

Using the Prime Performance Manager Web Interface

The following topics provide information about using the Cisco Prime Performance Manager web interface:

- [Accessing the Prime Performance Manager Web Interface, page 3-1](#)
- [Navigating Table Columns, page 3-8](#)
- [Changing the Web Preferences, page 3-9](#)
- [Changing the GUI Polling Refresh Setting, page 3-10](#)

Accessing the Prime Performance Manager Web Interface

The Cisco Prime Performance Manager web interface requires one of the following web browsers with JavaScript enabled:

- Microsoft Windows: Microsoft Internet Explorer version 8.0 or Mozilla Firefox 3.6.x
- Solaris: Mozilla Firefox 3.6.x
- Red Hat Linux Enterprise 5.3 or 5.5: Mozilla Firefox 3.6.x



Note

If you open Cisco Prime Performance Manager in an unsupported browser, a warning is displayed. If the browser does not have JavaScript enabled, the Prime Performance Manager web interface cannot function.

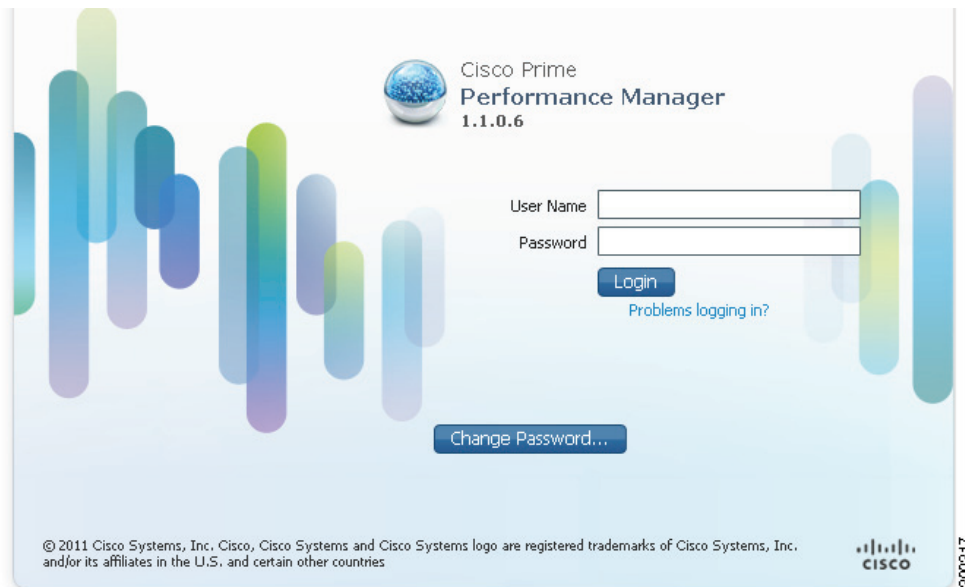
To access the Cisco Prime Performance Manager web interface:

Step 1 Enter the following in the browser URL field:

`http://ppm11-server:4440`

Where *ppm11-server* is the name of the server where Prime Performance Manager is installed and Port 4440 is the default port.

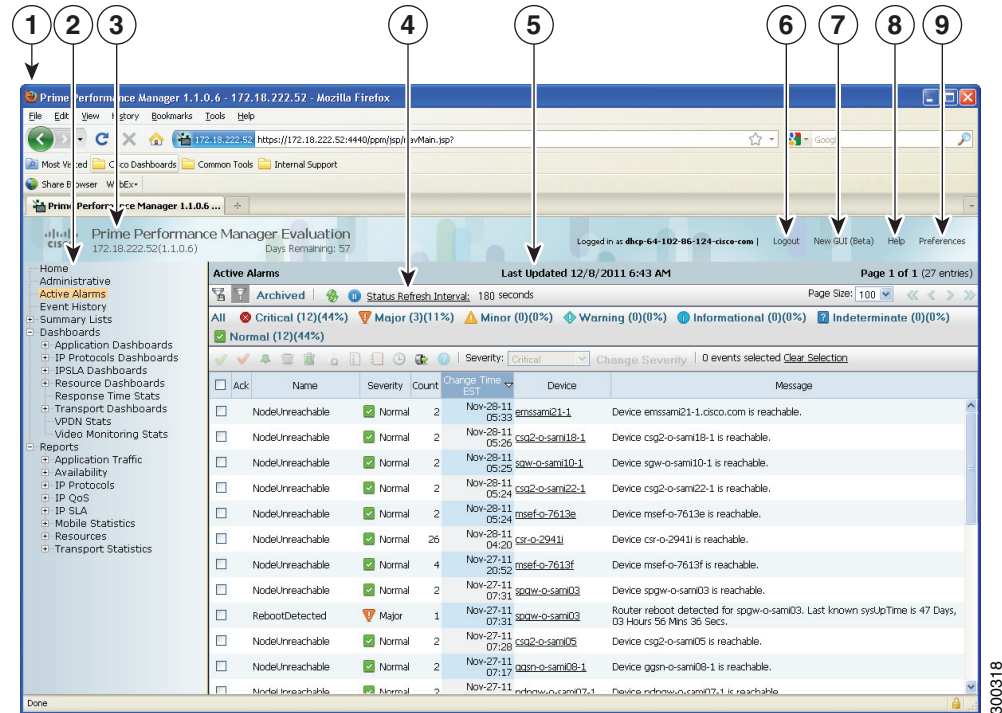
Step 2 If user access is enabled (see [Setting User Access, page 6-1](#)), the Prime Performance Manager login screen appears ([Figure 3-1](#)). If so, enter your username and password.

Figure 3-1 Prime Performance Manager Login Window

After you log in, the Cisco Prime Performance Manager GUI application launches. By default, the Active Alarms window is displayed (Figure 3-2). (For a description of the Active Alarms window and functions, see Chapter 9, “Using Alarms and Events.”)

The GUI window is comprised of the following elements:

- Title bar—Shows the following information and links:
 - Prime Performance Manager version, and server name.
 - Logout (appears only if you enable user access).
 - Help—Displays Cisco Prime Performance Manager context-sensitive online help.
 - New GUI (Beta)—Displays a new GUI design currently in beta. You can try the new GUI and provide feedback to your Cisco account representative. However any errors or problems encountered with the beta GUI are not supported.
 - Preferences—Displays the options allowing you to change the Cisco Prime Performance Manager web interface display. See [Changing the Web Preferences](#), page 3-9.
 - Status Messages—Messages include device discovery and deletion messages.
- Navigation tree—Displays all Cisco Prime Performance Manager content and functions. (See [Using the Web Interface Navigation Tree](#), page 3-4.)
- Content pane—Displays contents for the item selected in the navigation tree.

Figure 3-2 Prime Performance Manager GUI

1	Title bar	6	Logout
2	Navigation tree	7	Beta GUI
3	Prime Performance Manager version, and server name	8	Online help
4	Content area	9	Preferences
5	Last content update date and time		

Checking Your Browser Settings

After you display the Prime Performance Manager web interface, you can check your browser and screen settings:

Step 1 In the navigation area, click **Home**.

Step 2 Under Client Software, click **Browser Checker**.

Step 3 Review the browser information:

- **Browser**—The name and version of the browser you are using.
- **Browser User Agent**—A text string that identifies the user agent to the server. This generally includes the application name, version, host operating system, and language.
- **Platform**—The platform type, for example, Win32.
- **Cookies Enabled**—Indicates whether cookies are enabled on the browser (Yes or No).

- JavaScript Enabled—Indicates whether JavaScript is enabled (Yes or No). For Prime Performance Manager, JavaScript must be enabled.
 - AJAX Component—Asynchronous JavaScript and XML (AJAX) sends asynchronous HTTP update requests. The Prime Performance Manager web application is only accessible to web browsers that have an AJAX component enabled. Typical values include XMLHttpRequest.
 - Size—Indicates the resolution of the display, for example, 1600 x 1200.
 - Color Depth—Indicates the depth of the color display, for example, 16.
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Using the Web Interface Navigation Tree

Prime Performance Manager options appear in the navigation tree in the left pane of the GUI window (See [Figure 3-2](#)). Clicking a tree item displays the contents selected item in the content area. A plus (+) or minus (-) to the left of the item indicates whether the item has additional items under it.

Prime Performance Manager automatically updates the navigation tree when changes occur to discovered devices or the network. When any changes occur in the navigation tree, the changes are reflected in the web interface. For example, if you delete a report from the Report Status tab, the report is removed from the navigation tree.

[Table 3-1](#) lists the navigation tree items with references to topics that describe the item in more detail.

Table 3-1 Cisco Prime Performance Manager Navigation Tree

Tree Item	Description
Home	Provides links to Prime Performance Manager user and reports documentation, commands, and other information. (See Chapter 11, “Reviewing Prime Performance Manager Home Page Information.”).
Administrative	<p>Provides the following tabs:</p> <p>General—Shows Prime Performance Manager system information including messages, logs, status, and properties.</p> <p>SNMP—Displays the SNMP Editor to edit and save SNMP settings. See Adding SNMP Credentials, page 4-4.)</p> <p>Polling Groups—Allows you to create device polling groups. See Chapter 14, “Creating and Editing Device Polling Groups.”</p> <p>Telnet/SSH—Allows you to add and edit Telnet and SSH credentials for Y.1731 and Ethernet Flow Point reports. See Chapter 16, “Configuring Device Credentials for Y.1371 SLA and Ethernet Flow Point Reports.”</p> <p>Unit Editor— Enables you to assign devices to units. See Chapter 13, “Managing Prime Performance Manager Units.”)</p> <p>Discovery—Allows you to discover network devices using Prime Performance Manager. See Chapter 4, “Discovering Network Devices.”</p> <p>Prime Network—Allows you to import a Prime Network device inventory. See Importing Prime Network Device Inventories, page 4-2.</p> <p>User Management—Displays all users in the system along with the time of their most recent login, their access level, and their account status. See Chapter 6, “Setting Up and Managing Users.”</p> <p>Event Editor— Allows you configure event properties and also define the upstream OSS hosts. See Chapter 15, “Configuring Upstream Alarm Hosts and Tuning Event and Alarm Parameters.”</p> <p>Threshold Editor—Allows you to create and edit report thresholds. See Chapter 10, “Configuring Thresholds.”</p> <p>If Prime Performance Manager user access is enabled, only users with Administrator (Level 5) access can see all options on the Administrative window.</p>
Active Alarms	Displays information about Prime Performance Manager alarms. See Chapter 9, “Using Alarms and Events.”
Event History	Displays information about Prime Performance Manager events. See Chapter 9, “Using Alarms and Events.”
Summary Lists	Displays basic summary information about all discovered network objects. See Chapter 8, “Using Summary Lists.”
Dashboards	Displays and allows you to manage Prime Performance Manager dashboards. See Chapter 7, “Working With Reports and Dashboards.”
Reports	Displays and allows you to manage Prime Performance Manager reports. See Chapter 7, “Working With Reports and Dashboards.”

Customizing Date and Time Ranges

Some windows require that you select date ranges for generating historical graphs. To customize the date and time range:

- Step 1** Click the **Customize the date and time range** tool in the toolbar of the content area.
- Step 2** In the Customize Date and Time Range dialog box, enter:
- The begin and end dates or click the Calendar tool. These dates are the dates in the gateway server time zone.
 - The begin and end hour and minutes.



Note An error message appears if the end date is equal to or less than the begin date. Correct the error before proceeding.

- Step 3** Click **OK**.
- The Prime Performance Manager web interface accepts and applies the changes by generating a report for the chosen server time (in case of reports).

Using the Toolbar

The Prime Performance Manager web interface navigation tree toolbar displays tools and options shown in [Table 3-2](#). However, the tools and options that appear depend upon the object you select in the navigation tree.

Table 3-2 Cisco Prime Performance Manager Web Interface Toolbar

Item	Icon	Description
Last Updated	—	The date and time Cisco Prime Performance Manager last updated the displayed information.
Page	—	Shows your location (page X of X total pages) and lists the total number of entries.
Refresh		Refreshes of the current web page.
Pause		Pauses the page refresh. Click Pause to disable the Page Refresh that would normally occur after the Status Refresh Interval. Click Pause again to re-enable the Status Refresh Interval.
Status Refresh Interval	—	Allows you change the default refresh interval. Enter a value between 180 (default) and 900 seconds. Changes only apply to the current page. Navigating away it sets the status refresh interval back to the default.
Page Size	—	Drop-down list of page sizes (the number of table rows in the display). Click the drop-down arrow to select a different value. The value that you select becomes the default page size for all pages in the web interface. The title bar displays the current page and total number of table entries.

Table 3-2 Cisco Prime Performance Manager Web Interface Toolbar (continued)













Item	Icon	Description
Quick Search	—	<p>Text box to filter the objects listed under the Summary List tables (Except for IP Addresses and Point Code tables). Enter the string in the text box to filter the table by and then press Enter. The rows under the table are filtered based on the string entered.</p> <p>Summary table columns used for filtered string searches include:</p> <ul style="list-style-type: none"> • Devices: Internal ID, Unit, Display Name, Primary SNMP Address, Device Type, Uptime, Software Version, Ignored, Report Polling, Severity, Status and Status Reason. • Device Distributions: Type, Total, and Percentage. • Average Poll Response: Display Name, Primary SNMP Address, Device Type, Report Polling, and Average Poll Response (secs). • Uptime: Display Name, Device Type, Uptime, Reboot Reason, and Severity. • SNMP Timeout Alarms: Display Name, Primary SNMP Address, Device Type, Software Version, Uptime, Ignored, Report Polling and Severity. • Software Versions: Display Name, Device Type, Software Version and Software Description. • Gateway/Units: Display Name, Custom Name, Primary SNMP Address, Type, Connection Time, In Service, Status, and Status Reason.
Clear Filter		Clears the search filter.
>	—	Advances the display to the next page of information.
>>	—	Advances the display to the last page of information.
<	—	Moves the display to the previous page of information.
<<	—	Moves the display to the first page of information.
Critical		The number and percentage of critical alarms on the device.
Major		The number and percentage of major alarms on the device.
Minor		The number and percentage of minor alarms on the device.
Warning		The number and percentage of warning alarms on the device.
Informational		The number and percentage of informational alarms on the device.
Indeterminate		The number and percentage of indeterminate alarms on the device.
Normal		The number and percentage of normal alarms on the device.
Customize date and time range		Opens the Choose a Date Range Server timezone dialog box.

Table 3-2 Cisco Prime Performance Manager Web Interface Toolbar (continued)

Item	Icon	Description
Graph Series Editor		Opens the Graph Series Editor dialog box, which provides a check box for each available data series. Check the box to display a series; uncheck it to hide a series. Clicking OK without selecting a series cancels the action. Prime Performance Manager displays no more than 10 series, by default.
Run		Runs the report type for the chosen duration.
Export report as a CSV file		Exports the data in the table to comma-separated value file (CSV file). You can save this file to disk or open it with an application that you choose (for example, Microsoft Excel).
Data Range (timezone)	—	Label that shows the chosen time range for the historical statistics. The label displays the data range with server time.
Type	—	Drop-down list of report types.
Duration	—	Drop-down list of default time ranges. Select one of these options, then click the Run tool. To specify a nondefault time range, click the Customize Date and Time Range tool. See Customizing Date and Time Ranges , page 3-6.
Output	—	Drop-down menu that provides these options: <ul style="list-style-type: none"> Graph—Displays statistical data in graphs and tables. Table—Presents statistical data in tabular format only. CSV—Exports statistical data using comma-separated values.
Sort Parameter	—	Used in the graph output of certain reports to select the criteria to include a top set of series. Also for ordering the corresponding graphs displayed.
Actions	—	The Actions menu appears for all summary lists except Device Distributions and Software Versions. Action menu items appear when you hover over the Actions link. For more information, see Editing Summary List Items , page 8-9.
Help for Reports		Auto-generated reports help; shows the MIB variables that are polled for generating the selected report with the calculations (if any) performed on them.

Navigating Table Columns

You can sort, show, or hide the columns in some tables in Prime Performance Manager to meet your specific needs. The web interface automatically saves your new settings and, thereafter, launches the interface with the new settings.

You can hide table columns in the Prime Performance Manager web interfaces. In the web interface, you can search for specific information and page through long tables by using its Search and Paging features.

- To view a tooltip for each column in the table, place the cursor over a column heading. If a cell is too small to show all of its text, place the cursor over the cell to see the full text of the tooltip.
- By default, Prime Performance Manager displays most of the columns in tables, but some columns may be hidden. To:
 - To display hidden columns, right-click the table heading and select the check boxes for the columns you want to display, then click **Apply** button.
 - To hide columns, right-click the table heading and clear the check boxes for the columns you want to hide, then click the **Apply** button.

- To sort a table based on the data in a column, left-click the column heading. Prime Performance Manager alpha-numerically sorts the table from top to bottom based on the data in the chosen column. To sort the table in reverse order, left-click in the column heading again.
- Icons in the column heading indicate the column on which the table is sorted and the sort direction:
 - Triangle icon—Ascending sort order (1-9, A-Z).
 - Inverted triangle—Descending (Z-A, 9-1).
- Report columns display a plus icon to indicate report key performance indicators for which thresholds can be created. For information about creating thresholds, see [Chapter 10, “Configuring Thresholds.”](#)

If you sort a table based on the Devices column, Prime Performance Manager sorts the table based on the discovered device DNS names. If you modified your web preferences to identify devices by their user-defined names, Prime Performance Manager sorts the table, based on the device user-defined names. For more information, see [Changing the Web Preferences, page 3-9](#).

Changing the Web Preferences

You can change the device information that appears in Prime Performance Manager GUI, change report auto expand settings, optimize the GUI for slow connections and change the GUI page refresh rate. These settings are located in the Web Preferences window. To change the web preferences settings:

Step 1 In the Prime Performance Manager web interface title bar, click **Preferences**.

Step 2 In the Web Preferences window, modify the following preferences, as needed:

- Device Name Settings—Indicates how devices are identified in the Prime Performance Manager GUI. Choose one of the following:
 - Show DNS or User-Defined Names (default)—Identifies devices by their DNS or user-defined names.
 - Show IP Address in Name Field—Identifies devices by their IP addresses.
 - Show SysName—Identifies devices by their system name.
- General Display Settings—Check any of the following display options:
 - Show Device Domain Names—Displays the device domain names.
 - Auto Expand Reports in a Tree—Automatically expands the reports in the navigation tree.
 - Auto Expand Report Summary Tables—Automatically expands the report graph summary tables. Reports with Dashboard in their titles, for example in the AAA Authentication Dashboard Hourly report, collapse the summary tables by default. This preference expands the summary tables automatically.
 - Optimize GUI for Slow Connections—If you are using a low-speed connection, for example, a dial-up modem or long-distance VPN connection, check this box to turn off the row index count that is displayed in the upper right corner of a report title area. If enabled, this option displays the row number as you mouse over a table, and also displays the number of table pages and table entries. The option does not perform well in low-speed connections.

- Poller Settings—the Status Refresh Interval options specifies how frequently Prime Performance Manager refreshes the web pages. The range is 180 to 900 seconds. The default is 180 seconds. The valid range and default settings can be changed in the `Server.properties` file to change the settings for all users. See [Changing the GUI Polling Refresh Setting, page 3-10](#) for information.
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Changing the GUI Polling Refresh Setting

You can change the frequency Prime Performance Manager GUI page refresh setting on a system-wide level. You can change the minimum, maximum, and default refresh settings. To change the system-wide refresh settings:

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- Step 1** Log into the gateway as the root user.
 - Step 2** Navigate to the `/opt/CSCOppm-gw/properties` directory.
 - Step 3** Open the `Server.properties` file with a text editor and modify the following lines:

```
# Status refresh default interval in seconds
STATE_REFRESH_DEFAULT = 180

# Status refresh minimum interval in seconds
STATE_REFRESH_MIN = 180

# Status refresh maximum interval in seconds
STATE_REFRESH_MAX = 900
```

Where:

- `STATE_REFRESH_DEFAULT` is the default refresh setting.
- `STATE_REFRESH_MIN`—Is the minimum amount of time that must pass before a refresh occurs.
- `STATE_REFRESH_MAX`—Is the maximum amount of time allowed before a refresh must occur.

For example, to change the status refresh poller default to 300 seconds, change the `STATE_REFRESH_DEFAULT` line to:

```
STATE_REFRESH_DEFAULT = 300
```

The acceptable refresh range is 180 to 900 seconds.

- Step 4** Save your changes and restart Prime Performance Manager gateway. See [Restarting Gateways and Units, page 2-4](#).
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