



## CHAPTER 4

# Using the DCNM Client

---

This chapter describes the user interface of the Cisco Data Center Network Manager (DCNM) client and how to use common features.

This chapter includes the following sections:

- [Introducing the DCNM Client, page 4-1](#)
- [Opening the DCNM Client, page 4-7](#)
- [Closing the DCNM Client, page 4-8](#)
- [Deploying Changes, page 4-8](#)
- [Working with Statistics and Charts, page 4-9](#)
- [Configuring Global Preferences, page 4-14](#)
- [Using Online Help, page 4-16](#)
- [Additional References, page 4-17](#)
- [Feature History for Using the DCNM Client, page 4-17](#)

## Introducing the DCNM Client

This section describes the DCNM client and its parts.

This section includes the following topics:

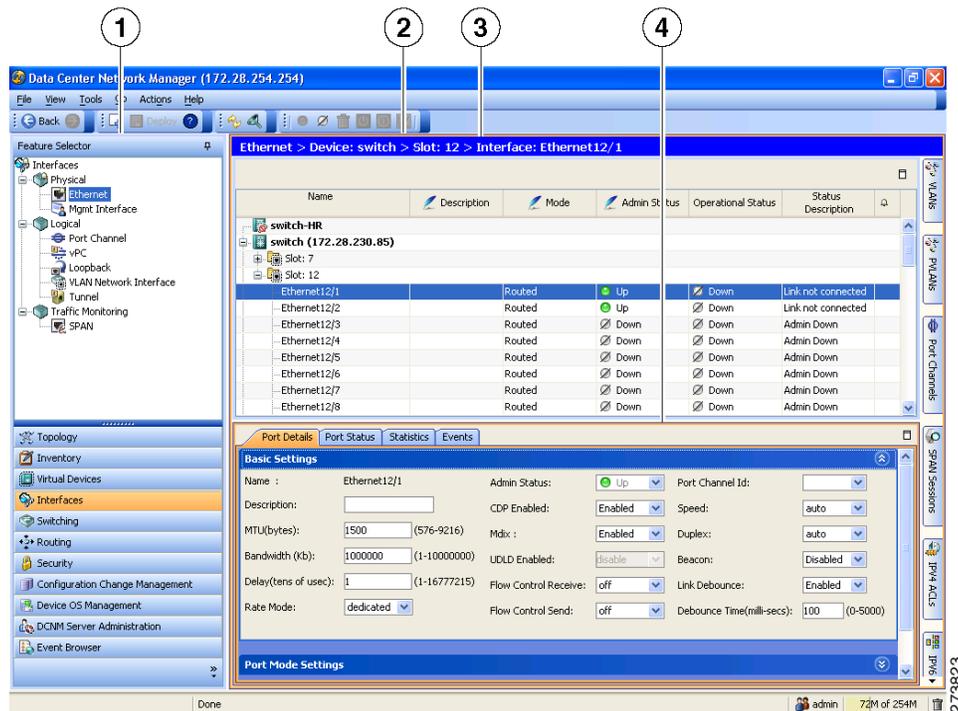
- [User Interface, page 4-2](#)
- [Feature Selector Pane, page 4-2](#)
- [Contents Pane, page 4-3](#)
- [Summary Pane, page 4-3](#)
- [Details Pane, page 4-3](#)
- [Association Pane, page 4-4](#)
- [Menus, page 4-4](#)
- [Toolbars, page 4-6](#)
- [Keyboard Commands, page 4-6](#)

*Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)*

## User Interface

The DCNM client user interface, shown in [Figure 4-1](#), presents device status information and provides configuration tools that allow you to manage devices. It is divided into the panes shown in [Figure 4-1](#). When you want to view information about a specific object in a managed device or want to perform a configuration task, you use the panes in the order shown in [Figure 4-1](#).

**Figure 4-1 DCNM Client User Interface**



<b>1</b>	Feature Selector pane	<b>2</b>	Contents pane
<b>3</b>	Summary pane	<b>4</b>	Details pane

## Feature Selector Pane

The Feature Selector pane, shown in [Figure 4-1](#), allows you to see features grouped by categories and to choose the feature that you want to use or configure. The bottom section of the Feature Selector pane displays buttons for feature categories. When you choose a category, the top section of the Feature Selector pane displays a tree of features within the chosen category.

In [Figure 4-1](#), the Interfaces category is chosen, so the tree shows features that allow you to configure the interfaces of managed devices.

The documentation and online help for DCNM includes many procedures that begin with choosing the applicable feature from the Feature Selector pane. For example, a procedure about configuring an Ethernet interface would start with the following step:

From the Feature Selector pane, choose **Interfaces > Physical > Ethernet**.

After you choose a feature on the tree, the Contents pane displays information about the feature.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## Contents Pane

The Contents pane, shown in [Figure 4-1](#), displays information about the currently selected feature and provides fields for configuring that feature. The Contents pane contains two smaller panes: the Summary pane and the Details pane.

## Summary Pane

The Summary pane, shown in [Figure 4-1](#), displays an organized set of objects that you can view information about or perform actions on. The type of objects that appear depends upon the currently selected feature.

For example, if you choose Interfaces > Physical > Ethernet from the Feature Selector pane, the Summary pane shows a table of devices. You can expand the managed devices to view the slots that contain network interface cards. You can expand the slots to view the interfaces they contain and key information about the status of the interfaces, such as the port mode, administrative status, and operational status. For most features, the title bar for the Summary pane shows what you have selected.

After you choose the object that you want to view or configure, the Details pane displays information about the selected object, such as an Ethernet interface.

For many features, you can filter the objects that appear in the Summary pane. If filtering is supported for the feature that you selected, you can enable filtering from the menu bar by choosing View > Filter. In the Summary pane, the columns that you can use to filter the objects become drop-down lists. To filter the Summary pane, use the drop-down column heading lists to limit the objects that appear.

## Details Pane

The Details pane, shown in [Figure 4-1](#), shows information and configuration fields that are specific to the object that you selected in the Summary pane. The Details tab is often further divided into tabs. You can click on a tab to view its contents.

This section includes the following topics:

- [Tabs, page 4-3](#)
- [Sections, page 4-4](#)

### Tabs

Tabs organize related fields and information. For example, as shown in [Figure 4-1](#), when you select an Ethernet interface, four tabs appears in the Details pane, such as the Port Details tab.

The following two special tabs often appear in the Details pane for many of the types of objects that you can choose from the Summary pane:

- **Statistics**—You can use this tab to work with statistics and charts related to the selected object. For more information, see the [“Working with Statistics and Charts” section on page 4-9](#).
- **Events**—You can use this tab to view feature-specific events about the selected object. For more information, see the [“Viewing Events on an Events Tab” section on page 10-5](#).

**Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)**

## Sections

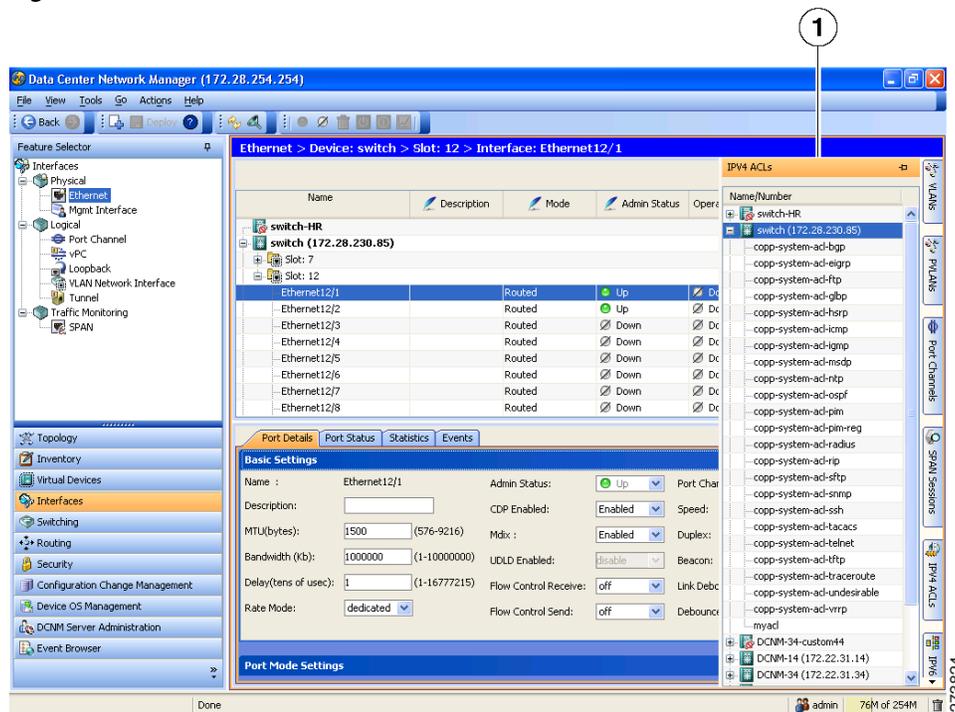
Sections provide further organization of related fields and information. The DCNM client allows you to expand and collapse sections so that you can show or hide fields and information as needed. For example, as shown in [Figure 4-1](#), on the Port Details tab, the Basic Settings section is expanded but the Port Mode Settings section is collapsed.

## Association Pane

The DCNM client also includes the Association pane, which allows you to access objects that you have configured in features that are associated with the currently selected feature. [Figure 4-2](#) shows the Association pane.

When tabs appear on the right side of the DCNM client, you can click on them to access the Association pane. For example, as shown in [Figure 4-2](#), if you are configuring an Ethernet interface, you can use the Association pane to access the IPv4 ACLs that you can apply to the interface. If you right-click on an IPv4 ACL in the Association pane, you can choose to apply the ACL to the interface or to go to the IPv4 ACLs feature and configure the ACL.

**Figure 4-2 Association Pane**



1 Association pane

## Menus

The menu bar in the DCNM client includes the following standard menus that appear:

## ***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

### **File Menu**

- **New**—Allows you to create new objects. The types of objects that you can create depends upon the currently selected feature. In some cases, the object selected in the Summary pane also affects what you can create.
- **Deploy**—Saves your changes to the DCNM server and deploys configuration changes to managed devices.
- **Exit**—Closes the DCNM client.

### **View Menu**

- **Toolbars**—Allows you to show or hide the toolbars that are available for the currently selected feature. For more information, see the “[Toolbars](#)” section on page 4-6.
- **Refresh**—Forces the DCNM client to retrieve updated information from the DCNM server.
- **Filter**—Enables or disables the filtering option for the Summary pane.

### **Tools Menu**

- **Preferences**—Opens the Global Preferences dialog box. For more information, see the “[Configuring Global Preferences](#)” section on page 4-14.
- **Debug**—Opens the DCNM Client Logging dialog box, which allows you to configure the logging level for the DCNM client.



---

**Note** We recommend that you use the default client logging level unless you are troubleshooting a specific problem or are asked to change client logging levels by the Cisco technical support staff.

---

### **Go Menu**

- **Topology**—Selects the Topology button on the Feature Selector pane.
- **Inventory**—Selects the Inventory button on the Feature Selector pane.
- **Virtual Devices**—Selects the Virtual Devices button on the Feature Selector pane.
- **Interfaces**—Selects the Interfaces button on the Feature Selector pane.
- **Switching**—Selects the Switching button on the Feature Selector pane.
- **Routing**—Selects the Routing button on the Feature Selector pane.
- **Security**—Selects the Security button on the Feature Selector pane.
- **DCNM Server Administration**—Selects the DCNM Server Administration button on the Feature Selector pane.
- **Configuration Change Management**—Selects the Configuration Change Management button on the Feature Selector pane.
- **Device OS Management**—Selects the Device OS Management button on the Feature Selector pane.
- **Event Browser**—Selects the Event Browser button on the Feature Selector pane.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## Actions Menu

The items on the Actions menu reflect what you can do, depending upon the feature you are using and the object that is selected in the Summary pane. For some features, such as Inventory, the Actions menu does not appear in the menu bar.

## Help Menu

- Help Contents—Opens the online help system to the Welcome page.
- Context Help—Opens the online help system to a page that applies to the feature currently selected in the Feature Selector pane.
- Show DCNM Instance ID—Opens a dialog box that displays the license ID for your DCNM server. For more information, see the [“Installing Licenses” section on page 2-7](#).
- View Licenses—Opens a dialog box that displays information about license files currently installed with your DCNM server.
- About Data Center Network Manager—Opens a dialog box that displays information about your DCNM server, including the software version and implementation version.

## Toolbars

The DCNM client provides several standard toolbars plus additional, feature-specific toolbars that are available only when you have selected the applicable feature. The following table lists actions that you can take to configure toolbars.

Action	How To
Show or hide a toolbar	Right-click on the toolbar area and then choose the toolbar that you want to show or hide.
Rearrange toolbars	On a toolbar that you want to move, click on the left end of the toolbar and drag it to where you want it.
Float a toolbar	On the toolbar that you want to float, click on the left end of the toolbar and drag it off of the toolbar area.
Control whether a toolbar can be hidden, rearranged, or floated	Right-click on the toolbar area and then choose the option that you want to control.

## Keyboard Commands

You can use the keyboard to perform many of the commands that you can perform with menu items or toolbars. The menus show the keyboard equivalent of most menu items. For example, the following list shows some common menu items and the matching keyboard command:

- Deploy—Ctrl + S
- Refresh—F5
- Filter—Ctrl + F
- Online help—F1
- Exit—Ctrl + Q

*Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)*

## Opening the DCNM Client

You can open the DCNM client after you have installed the DCNM client on the computer that you are using.

### BEFORE YOU BEGIN

Install the DCNM client on the computer that you are using. For more information about installing the DCNM client, see [Chapter 3, “Installing and Launching the DCNM Client.”](#)

### DETAILED STEPS

To open the DCNM client, follow these steps:

---

**Step 1** From the start menu, choose **All Programs > Cisco DCNM Client > Cisco DCNM Client**.



**Note** If the DCNM client is not available on the All Programs menu, you can launch the DCNM client from the DCNM server website. For more information, see [Chapter 3, “Installing and Launching the DCNM Client.”](#)

---

A dialog box displays login fields.

**Step 2** In the DCNM Server field, enter the IP address or hostname of the DCNM server. You can use the hostname only if your DNS server has an entry for the DCNM server hostname.



**Tip** If you have previously logged into the server with the current client installation, you may be able to choose the IP address or hostname from the drop-down list.

---

**Step 3** In the Username field, enter the name of the DCNM server user account that you want to use to access the DCNM client.

**Step 4** In the Password field, enter the password for the user account that you specified.

**Step 5** If your DCNM server uses a port number other than 1099, click **More** and enter the port number for your DCNM server in the Port field.

**Step 6** Click **Login**.

The DCNM client user interface appears.

If a dialog box displays a message about device credentials, you have not configured device credentials for the user account that you specified.

**Step 7** If a dialog box shows a message that your device credentials are not set, do one of the following:

- If you want to set device credentials now, click **Yes**.
- If you do not want to set device credentials now, click **No**.



**Note** For information about setting device credentials, see the [“Administering Devices and Credentials” section on page 7-1](#).

---

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## Closing the DCNM Client

You can close the DCNM client when you are done using it.

### DETAILED STEPS

To close the DCNM client, follow these steps:

---

**Step 1** From the menu bar, choose **File > Exit**.

A dialog box displays a confirmation message.

**Step 2** (Optional) If you have not deployed your changes, do one of the following:

- If you want to save your changes, including deploying configuration changes to managed devices, check **Save pending changes**.
- If you want to discard your changes, uncheck **Save pending changes**.

**Step 3** Click **Yes**.

If you started any statistical data collection processes during the DCNM client session, a dialog box displays the collection processes.

**Step 4** If a dialog box displays the statistical data collection processes that you started, do the following:

- a. Decide which statistical collection processes that you want to stop.




---

**Note** We recommend that you stop any unnecessary statistical collection processes when you log out of the DCNM client.

---

- b. Check the collection processes that you want to stop. If you want to stop all of your collection processes, click **Select All**.

- c. Click **Ok**.
- 

## Deploying Changes

After you make changes to the configuration of either the DCNM server or managed devices, you must deploy them. The DCNM client does not update the server or managed devices with the changes that you have made until you deploy them.

Deploying server changes saves your changes on the DCNM server. For example, if you add a DCNM server user account, deploying your changes adds the user account to the DCNM server and does not affect managed devices.

Deploying configuration changes to a managed device causes the DCNM server to update the running configuration of the device.



**Note**

---

DCNM does not update the startup configuration of a managed device. When you want to replace the startup configuration of a managed device with the running configuration, you can log into the command-line interface of the device and copy the running configuration to the startup configuration.

---

## Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)

When you close the DCNM client and you have not deployed your changes, you can deploy them without canceling the process of closing the DCNM client. For more information, see the [“Closing the DCNM Client”](#) section on page 4-8.

To remind you of the necessity to deploy changes that you make, the procedures in the DCNM documentation set include a deployment step.

## Working with Statistics and Charts

This section describes how to use the statistical charts available on a Statistics tab.

This section includes the following topics:

- [Information about Statistics and Charts](#), page 4-9
- [Licensing Requirements for Statistics and Charts](#), page 4-9
- [Accessing a Chart](#), page 4-10
- [Starting Statistical Monitoring for a Chart](#), page 4-10
- [Stopping Statistical Monitoring for a Chart](#), page 4-11
- [Using a Chart](#), page 4-11
- [Using an Overview Chart](#), page 4-12
- [Exporting a Chart](#), page 4-13

## Information about Statistics and Charts

You can use a Statistics tab to start and stop statistical monitoring for an object and to work with charts of statistical data about the selected object. For each chart, the DCNM client also provides overview charts, which allow you to see historical trends and to control the time scale of the standard chart.

When you start monitoring for a new chart, DCNM creates a new statistical collection process that appears in the Statistical Data Collection feature. For more information, see the [“Administering Statistical Data Collection”](#) section on page 16-1.

## Licensing Requirements for Statistics and Charts

The following table shows the licensing requirements for this feature:

Product	License Requirement
DCNM	<p>Real-time monitoring requires no license.</p> <p>DCNM requires a LAN Enterprise license for the following features:</p> <ul style="list-style-type: none"> <li>• Maintaining a history of statistical data</li> <li>• Using overview charts</li> </ul> <p>For information about obtaining and installing a DCNM LAN Enterprise license, see the <a href="#">“Installing Licenses”</a> section on page 2-7.</p>

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## Accessing a Chart

You can access any chart. The charts that are available for a particular Statistics tab depend upon the feature and object selected.

### DETAILED STEPS

To access a chart, follow these steps:

**Step 1** From the Feature Selector pane, choose the feature for which you want to use a statistical chart.

For example, choose **Interfaces > Physical > Ethernet**.

**Step 2** From the Summary pane, select an object.

The Statistics tab appears in the Details pane. In the Statistics tab, one or more charts may appear.



**Note** If no Statistics tab appears, then DCNM does not provide a statistical chart for the object that you selected.

**Step 3** If the chart for the data that you want to monitor does not appear, from the toolbar, choose **New Chart** and then choose the chart that you want.

**Step 4** Click the title bar of the chart that you want to work with.

The chart status appears in the lower left corner of the chart pane. If the chart is not active, you must start statistical monitoring for the chart before you can use it. For more information, see the [“Starting Statistical Monitoring for a Chart” section on page 4-10](#).

## Starting Statistical Monitoring for a Chart

You can start statistical monitoring for a chart in the Statistics tab for any of the device configuration features that support statistical monitoring.



**Note** Each time that you start monitoring for a new chart, DCNM creates a new statistical collection process that appears in the Statistical Data Collection feature.

### DETAILED STEPS

To start statistical monitoring for a chart, follow these steps:

**Step 1** Access the chart for which you want to start statistical monitoring. For more information, see the [“Accessing a Chart” section on page 4-10](#).

**Step 2** From the chart pane, click **Select Parameters**, check at least one statistical parameter that you want to appear in the chart, and click **Select Parameters** again.

**Step 3** From the Monitor toolbar, choose the  icon to start the collection process.

**Step 4** The chart starts graphing the selected parameters.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

**Note**

When you close the DCNM client without stopping the statistical collection processes that you started, a dialog box prompts you to decide whether to stop the statistical collections or let them continue. We recommend that you stop any unnecessary statistical collection processes when you log out of the DCNM client.

## Stopping Statistical Monitoring for a Chart

You can stop statistical monitoring for a chart in the Statistics tab.

**Note**

When you stop monitoring for a chart, DCNM stops the corresponding statistical collection process that appears in the Statistical Data Collection feature.

### DETAILED STEPS

To stop statistical monitoring for a chart, follow these steps:

**Step 1** Access the chart for which you want to stop statistical monitoring. For more information, see the [“Accessing a Chart”](#) section on page 4-10.

**Step 2** From the Monitor toolbar choose the  icon.

**Note**

If the chart that you want to stop does not appear, use the Statistical Data Collection feature to stop the collection process. For more information, see the [“Starting Statistical Monitoring for a Chart”](#) section on page 4-10.

## Using a Chart

The DCNM client provides the following options for using a chart:

- Changing parameters
- Setting the charting frequency
- Controlling the magnification of the chart data
- Showing, moving, and hiding threshold lines
- Tearing the chart away from the DCNM client window

This procedure provides basic instructions for using each of these options.

**Note**

For information about using an overview chart, see the [“Using an Overview Chart”](#) section on page 4-12.

**Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)**

## DETAILED STEPS

To use a chart, follow these steps:

- 
- Step 1** Access the chart that you want to use. For more information, see the [“Accessing a Chart”](#) section on page 4-10.
- Step 2** If the chart is not active, you must start statistical monitoring for the chart before you can use it. For more information, see the [“Starting Statistical Monitoring for a Chart”](#) section on page 4-10.
- Step 3** (Optional) To change parameters, click **Select Parameters**, check the statistics parameters that you want to collect, and click **Select Parameters** again.
- Step 4** (Optional) To set the frequency with which DCNM retrieves statistical data for the selected object, from the Select Frequency drop-down list on the Monitor tool bar, choose the new frequency.
- Step 5** (Optional) To control the magnification, or zoom, of the chart, do one of the following:
- To zoom in on a portion of the chart, position the mouse pointer at one end of the portion, click and hold the left mouse button, drag the mouse pointer to the other end of the portion, and release the mouse button.
  - To zoom in on a portion of the chart, position the mouse pointer at one end of the portion and then click and drag the mouse pointer to the other end of the portion.
  - To change to the previous zoom, click the  icon.
  - To change to the next zoom, click the  icon.
  - To reset the zoom to the default magnification, click the  icon.
- Step 6** (Optional) To show, move, or hide threshold lines, do one of the following:
- To show or hide threshold lines, on the Monitor tool bar, click the  icon.
  - To move the lower threshold line, click and drag the  icon.
  - To move the upper threshold line, click and drag the  icon.
- Step 7** (Optional) To tear the chart away from the DCNM client window, click on the red line that appears below the chart title.
- 

## Using an Overview Chart

You can use an overview chart to view the historical trend of the statistical data of the current chart and to set the time scale of the standard chart.

### BEFORE YOU BEGIN

Ensure that any device with data that you want to view on an overview chart is included on the list of DCNM-licensed devices. For more information, see the [“Licensing Requirements for Statistics and Charts”](#) section on page 4-9.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## DETAILED STEPS

To use an overview chart, follow these steps:

- 
- Step 1** Access the chart that contains the overview chart that you want to use. For more information, see the [“Accessing a Chart”](#) section on page 4-10.
- Step 2** If the chart is not active, you must start statistical monitoring for the chart before you can use its overview chart. For more information, see the [“Starting Statistical Monitoring for a Chart”](#) section on page 4-10.
- Step 3** Click **Show Overview Chart**.
- In a new window, the overview chart displays the historical trends of the charted data.
- Step 4** To set the time scale of the chart, at the bottom of the overview chart window, click the desired time scale button. The time scale buttons are as follows:
- RT—Real time
  - 1d—One day
  - 2d—Two days
  - 5d—Five days
  - 15d—Fifteen days
  - 1m—One month
  - 3m—Three months
- Step 5** To close the overview chart, click **Show Overview Chart** again.
- 

## Exporting a Chart

You can export a chart as an JPG image or as a comma-separated value (CSV) file.

When you export a chart as a JPG image, the image is of the chart as it appears when you export the image.

When you export a chart as a CSV file, the file contains all data from the statistical collection for the chart.

## DETAILED STEPS

To export an image of a chart, follow these steps:

- 
- Step 1** Access the chart that you want to use. For more information, see the [“Accessing a Chart”](#) section on page 4-10.
- Step 2** If the chart is not active, you must start statistical monitoring for the chart before you can export an image of it. For more information, see the [“Starting Statistical Monitoring for a Chart”](#) section on page 4-10.
- Step 3** If you want to export an image, configure the chart to show the data that you want to appear in the image. For more information, see the [“Using a Chart”](#) section on page 4-11.
- Step 4** Right-click on the chart.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

**Step 5** Choose one of the following:

- Export as CSV
- Export as JPG

**Step 6** Specify the location and filename, and then click **Save**.

The DCNM client exports the chart in the file format that you specified.

---

## Configuring Global Preferences

Using the Global Preferences dialog box, you can configure several preferences for how the DCNM client displays data and fields. The four sections on the Global Preferences are as follows:

- **Monitoring**—Controls the default frequency of statistical data retrieval from managed devices. For more information, see the [“Configuring the Default Frequency of Statistical Data Retrieval” section on page 4-14](#).
- **Events**—Controls the maximum age of events that the DCNM client fetches from the DCNM server when you start the DCNM client. For more information, see the [“Configuring the Maximum Age of Events Fetched from the Server” section on page 4-15](#).
- **Pre Provision**—Controls whether the DCNM client displays some settings only when other settings are made or whether the DCNM client always displays all settings. For more information, see the [“Configuring Preprovisioning” section on page 4-15](#).

## Configuring the Default Frequency of Statistical Data Retrieval

You can configure the default frequency for statistical data retrieval from monitored devices. The default frequency for statistical data retrieval is 30 seconds. This frequency determines the initial data retrieval frequency for a new chart. Users can override the default frequency by configuring the chart-specific setting.

### BEFORE YOU BEGIN

Determine how often you want DCNM to retrieve statistical data by default. Consider how important it is to your organization that charts update frequently. If very current charting data is important to your organization, consider using a short data retrieval frequency.

### DETAILED STEPS

To configure the default frequency of statistical data retrieval, follow these steps:

---

**Step 1** From the menu bar, choose **Tools > Preferences**.

The Global Preferences dialog box appears. Under Monitoring, the Default Monitoring Frequency drop-down list displays the current frequency for statistical data retrieval.

The default polling frequency is 30 seconds.

**Step 2** From the Default Monitoring Frequency drop-down list, choose the new data retrieval frequency.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

**Step 3** Click **Ok**.

---

## Configuring the Maximum Age of Events Fetched from the Server

You can configure the maximum age of events that the DCNM client fetches from the DCNM server when you start the DCNM client. This setting affects how old the events are that the DCNM client displays in the Event Browser and on feature-specific Events tabs. By default, the DCNM client fetches events that occurred up to 1 hour prior to the DCNM client startup. You can configure the DCNM client to fetch events that are up to 24 hours old.

### DETAILED STEPS

To configure the maximum age of events that the DCNM client fetches from the server, follow these steps:

**Step 1** From the menu bar, choose **Tools > Preferences**.

The Global Preferences dialog box appears. Under Events, the Fetch events before drop-down list displays the current maximum age of events.

**Step 2** From the Fetch events before drop-down list, choose the new maximum age of events.



**Note** To prevent the DCNM client from fetching any old events, choose zero (0) hours as the maximum age of events. When you choose zero hours, the DCNM client shows only the events that the DCNM server receives after you start the DCNM client.

**Step 3** Click **Ok**.

---

## Configuring Preprovisioning

Preprovisioning refers to configuring a managed device with settings for modes or protocols that are not enabled. The preprovisioning preference affects the following sections of the DCNM client interface:

- Interfaces > Physical > Ethernet > Device > Slot > Interface, Port Details tab, Port Mode Settings section

When you enable preprovisioning, the DCNM client displays all port mode fields regardless of the setting in the Mode drop-down list. When you disable preprovisioning, the DCNM client displays only the port mode settings that are relevant to the currently selected port mode. For example, if preprovisioning is disabled and you choose Trunk from the Mode drop-down list, the DCNM client displays only the Trunk settings and hides the Access, PVLAN Host, and PVLAN Promiscuous fields.

Additionally, the dialog boxes for configuring the Access VLAN field and the Native VLAN field include the Create in the Device check box. When you enable preprovisioning, you can uncheck this check box if you want DCNM to configure the device to refer to a VLAN that is not currently configured. When you disable preprovisioning, this check box is always checked and DCNM creates the VLAN specified, if it does not already exist.

## Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)

- Switching > Spanning Tree > Device, Configuration tab, Global Settings section

When you enable preprovisioning, the DCNM client displays MST settings regardless of the settings in the Protocol drop-down list. When you disable preprovisioning, the DCNM client displays the MST Setting fields unless you choose MST from the Protocol drop-down list.

### DETAILED STEPS

To configure preprovisioning, follow these steps:

- 
- Step 1** From the menu bar, choose **Tools > Preferences**.
- The Global Preferences dialog box appears. Under Pre Provision, the Pre Provision check box appears.
- Step 2** Do one of the following:
- If you want to enable preprovisioning, ensure that the **Pre Provision** check box is checked.
  - If you want to disable preprovisioning, ensure that the **Pre Provision** check box is unchecked.
- Step 3** Click **Ok**.
- 

## Using Online Help

Online help has the following features:

- Contents**—The organization of DCNM online help is shown in the Contents tab of the online help window. When a topic has subtopics, the book icon appears to the left of the topic in the contents. You can expand and collapse individual topics in the contents. You can also collapse or expand all topics.
- Index**—DCNM online help includes an index, which allows you to look up subjects alphabetically and open related topics directly from the index.
- Favorites**—DCNM online help allows you to add specific topics to the Favorites tab. Favorites are stored locally on the computer that you use to access online help.

To access the welcome page in online help, from the menu bar, choose **Help > Help Contents**.

DCNM online help includes context-sensitive help.

To access context-sensitive help for a feature, follow these steps:

- 
- Step 1** Select a specific feature from the Feature Selector pane in the DCNM client. For example, choose **Security > Access Control > IPv4 ACL**.
- Step 2** Do one of the following:
- Press **F1**.
  - From the toolbar, click the question mark icon.

Online help for the selected feature appears in a browser window. DCNM uses the default browser application on the computer that runs the DCNM client.

---

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

## Additional References

For additional information related to using the DCNM client, see the following sections:

- [Related Documents, page 4-17](#)
- [Standards, page 4-17](#)

## Related Documents

Related Topic	Document Title
Installing and launching the DCNM client	<a href="#">Chapter 3, “Installing and Launching the DCNM Client”</a>
Information about using specific DCNM features	<a href="#">Related Documentation, page xxi</a>

## Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

## Feature History for Using the DCNM Client

[Table 4-1](#) lists the release history for this feature.

**Table 4-1** *Feature History for Installing and Launching the DCNM Client*

Feature Name	Releases	Feature Information
Go menu	4.1(2)	The Go menu was updated to include following new features: <ul style="list-style-type: none"> <li>• Device OS Management</li> <li>• Configuration Change Management</li> </ul>
Action menu	4.1(2)	The Action menu replaced the feature-specific menus that appeared in Cisco DCNM, Release 4.0.
Global Preferences	4.1(2)	The Administration section on the Global Preferences dialog box was removed. You can configure the polling frequency by using the Auto-Synchronization with Devices feature.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***