

## Using Administration Features

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The following topics describe additional QPM administration features:

- [Using QPM Audit, page 11-1](#)
- [Changing SNMP Settings, page 11-3](#)
- [Viewing User Permissions Report, page 11-4](#)
- [Licensing QPM, page 11-5](#)
- [Using Configuration Backup, page 11-8](#)
- [Working with User Roles, page 11-8](#)

## Using QPM Audit

The QPM audit feature provides audit logs about changes made to QPM policy groups, global libraries, and device information:

- [Viewing Audit Logs, page 11-2](#)
- [Deleting Audit Logs, page 11-3](#)

## Viewing Audit Logs

You can view the following audit logs:

- **Policy**—These logs track changes made to policy properties and traffic rules, including policy device assignments in a specified policy group.
- **Policy groups**—These logs track Deploy, Save, Restore, Upload, and Import actions on a policy group. The audit provides a message for each operation. Three message levels are available—information, warning, and error.
- **Libraries**—These logs track changes made to IP aliases, application aliases, and policy templates. (System-created policy templates are not recorded in the Audit logs.)
- **General**—These logs track changes made to the QPM device inventory following device rediscovery, the movement of a device between device groups, or the updating of the mapped operating system version for a device.

The logs provide links to view the items that have been modified.

To view Audit Logs:

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- Step 1** Select **Administration > Audit**. The Audit Trail Policy Groups/Policies page appears.
- Step 2** Select the type of logs you want to view in the TOC.
- Step 3** For Policy and Policy Groups logs, select the policy group for which you want to view information.

See the following topics for more information about the fields in these pages:

- [Audit Trail Policies Page, page E-2](#)
  - [Audit Trail Policy Group Actions Page, page E-3](#)
  - [Audit Trail Library Components Page, page E-4](#)
  - [Audit Trail General Logs Page, page E-5](#)
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### Related Topics

- [Deleting Audit Logs, page 11-3](#)

## Deleting Audit Logs

You can delete old audit logs that you no longer need.

To delete audit logs:

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- Step 1** Select **Administration > Audit**. The Audit Trail Policy Groups/Policies page appears.
  - Step 2** Select the type of logs you want to delete in the TOC.
  - Step 3** For Policy and Policy Groups logs, select the policy group for which you want to delete logs. The logs for the selected policy group are displayed.
  - Step 4** Click **Clear**. A Calendar dialog box opens.
  - Step 5** Use the navigation arrows above the calendar table to navigate through the calendar. In the calendar table, choose the date to which you want to delete logs.
  - Step 6** Click **OK**. The audit logs before and including the selected date are deleted, and no longer appear in the Audit display.
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### Related Topics

- [Viewing Audit Logs, page 11-2](#)

## Changing SNMP Settings

QPM uses Simple Network Management Protocol (SNMP) to query network devices, and discover device information.

You can change the following SNMP properties, if you have the appropriate privileges:

- **Timeout**—Amount of time the system should wait for a device to respond before trying to access it again.
- **Retries**—Number of times the system tries to access devices.

- Minimum thread number—The minimum number of SNMP requests that can be processed concurrently.
- Maximum thread number—The maximum number of SNMP requests that can be processed concurrently.

To change SNMP settings:

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**Step 1** Select **Administration > SNMP**.

The SNMP Properties page appears.

**Step 2** Change SNMP parameters as required. See [SNMP, page E-7](#) for more information about the fields in this page.

**Step 3** Click **Save**.

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## Viewing User Permissions Report

You can view the report of how QPM user permissions relate to CiscoWorks user permissions. If you are using ACS to control authorization, this report does not represent your current configuration; it only shows the default authorizations for CiscoWorks authorization levels.

To view the User Permissions Report:

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**Step 1** Choose **Administration > User Permissions Report**.

The User Permissions Report page opens.

**Step 2** Find how each Task Path in QPM is related to the CiscoWorks user roles.

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# Licensing QPM

You must obtain a product license before you start using an application. You can obtain a product license and license your application, view details of your current software licenses or install a new license using the License feature.

## Viewing your License

To view details of all your installed licenses, select **Administration > License**.

The License Overview page appears. The license name, license type, device limit, devices in use and the installation date of the license appear in the License Overview page.

## Installing a License

To install a license:

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- Step 1** Click **Install License** in the License Overview page.  
The Install license page appears.
  - Step 2** Enter the path to the new license file in the field, or click Browse and select the new license file.
  - Step 3** Click Next.  
The License Details page appears with the details of the license.
  - Step 4** Click Next to confirm installation.  
The License confirm page appears confirming that the new license has been installed successfully
  - Step 5** Click Finish to complete the installation process.  
The License Overview page appears with the details of you newly installed license.
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### Note

You will not be able to delete a license.

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**Related Topics**

- [Licenses and Upgrade Paths, page 11-6](#)

## Licenses and Upgrade Paths

The QPM 4.0 licenses can be categorized as following:

- Three types of base licenses
- Three types of incremental core licenses
- Two types of upgrade licenses

The base licenses of QPM 4.0 let you work with a defined number of managed network nodes. The incremental licenses let you increase the number of managed network nodes. The upgrade licenses help you to upgrade the application while retaining the inventory and preserving as much of the configuration of the application as possible.

**Base Licenses**

QPM-4.0-SMB-K9: This license is for small and medium businesses. Twenty managed nodes (devices) are allowed, and both monitoring and provisioning are supported. This is not upgradeable to other license categories.

QPM-4.0-COMB-K9: This license supports both provisioning and monitoring, and restricts inventory to 500 managed nodes (devices).

QPM-4.0-MON-K9: This license supports monitoring only, and restricts inventory to 500 managed nodes (devices).

**Incremental Core Licenses**

These are license packs that may be added to an existing QPM-4.0-COMB-K9 or QPM-4.0-MON-K9 license.

QPM-4.X-INCR-500: This license allows you to add 500 devices to the inventory, provided you have either a QPM-4.0-COMB-K9 base license or a QPM-4.0-MON-K9 base license.

QPM-4.X-INCR-1000: This license allows you to add 1000 devices to the inventory, provided you have either a QPM-4.0-COMB-K9 base license or a QPM-4.0-MON-K9 base license.

QPM-4.X-INCR-2000: This license allows you to add 2000 devices to the inventory, provided you have either a QPM-4.0-COMB-K9 base license or a QPM-4.0-MON-K9 base license.

### Upgrade Licenses

QPM-M2C-UPGR-K9: This license allows you to upgrade from the QPM-4.0-MON-K9 license (that is, monitoring-only license) to the combined (that is, configuration and monitoring) mode.

QPM-3TO4-UPGR-K9: This license allows you to upgrade from QPM 3.x version to the combined (that is, monitoring and configuration) mode of QPM 4.0. If the QPM 3.x device inventory has more than 500 devices, you will be prompted to opt for the incremental device packs for QPM 4.0.

The following table summarizes the upgrade paths for QPM 4.0:

**Table 11-1** QPM 4.0 License Upgrade Paths

Upgrade From	Upgrade To		
	SMB	MON	COMB
3.2.x			Y
SMB			
MON			Y

SMB—Represents QPM-4.0-SMB-K9

MON—Represents QPM-4.0-MON-K9

COMB—Represents QPM-4.0-COMB-K9

Y—Represents that upgrade path is supported.

### Related Topics

- [Licensing QPM, page 11-5](#)

# Using Configuration Backup

The Configuration Backup feature in QPM helps you to backup all QPM application data to a directory in your system. You can also set the frequency (like immediate, daily, weekly, or monthly) for this backup. You can later restore this backup data for use in QPM.

QPM uses the CiscoWorks bacup utility to backup the application data.

To backup the application data in QPM:

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- Step 1** Choose **Administration > Configuration Backup**.  
You will be redirected to the Backup Job page in CiscoWorks.
- Step 2** In the Backup Job page, select the backup direcorey, and set the frequency for backup.  
For more details, see the online help for Backup Job page in CiscoWorks.
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# Working with User Roles

You can add, edit, or delete users and their roles in QPM. QPM uses the Local User Setup page in CiscoWorks to apply this feature.

To work with User Roles in QPM:

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- Step 1** Choose **Administration > User Roles**.  
You will be redirected to the Local User Setup page in CiscoWorks.
- Step 2** Add, edit, or delete the users and their corresponding roles as required.  
For more details, see the online help for Local User Setup page in CiscoWorks.
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