



CHAPTER 4

User Management

This module explains the methods by which the operator of the Application Performance Assurance Device Console (APADC) defines the individuals and groups that provide the basis of the system reporting from the Network Module Enhanced Application Performance Assurance (NME-APA).

- [Identifying Users, page 4-1](#)
- [Monitoring Active Users, page 4-7](#)
- [Managing User Configurations, page 4-8](#)

Identifying Users

This section describes the methods by which the operator correlates users or groups with IP address or VLAN information. The NME-APA uses this correlation to identify and report on the users or groups who transmit or receive traffic on the network.

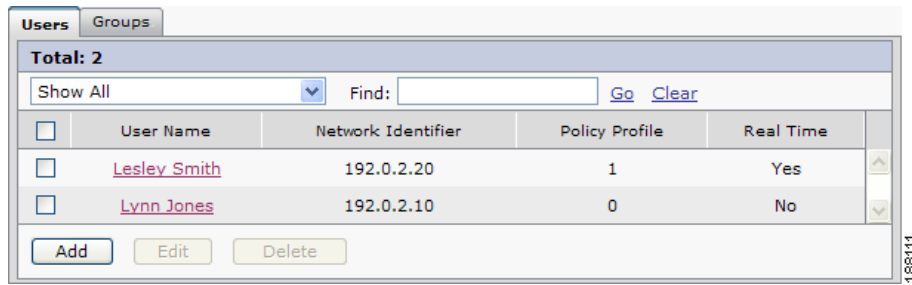
A maximum of 500 users can be defined, one of whom is the fixed default user. A maximum of 100 groups can be defined.

- [Viewing Users, page 4-1](#)
- [Adding Users, page 4-2](#)
- [Editing Users, page 4-3](#)
- [Deleting Users, page 4-4](#)
- [Viewing Groups, page 4-4](#)
- [Adding Groups, page 4-5](#)
- [Editing Groups, page 4-6](#)
- [Deleting Groups, page 4-7](#)

Viewing Users

- Step 1** In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.



Related Topics

- [Adding Users, page 4-2](#)
- [Editing Users, page 4-3](#)
- [Deleting Users, page 4-4](#)

Adding Users

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Click **Add**.

The User Management dialog box appears displaying the Add User form.

Step 3 In the User Name field, enter a meaningful name for the user.

Step 4 From the Network Identifier drop-down list, choose a network identifier.

The available network identifiers are:

- IP Address(es)
- IP Range(s)
- VLAN ID(s)

Step 5 In the Network Identifier field, enter the information to identify the user.

- If you selected IP Address, enter 1 or 2 valid IP addresses in the Network Identifier field. If you enter 2 IP addresses, separate them with a semicolon.
- If you selected IP Range, enter 1 or 2 valid IP address ranges in the Network Identifier field. If you enter 2 IP address ranges, separate them with a semicolon.

An IP address range is specified using subnet mask notation; for example, 192.168.47.0/24. This means all addresses in the range 192.168.47.0 to 192.168.47.255. The host part of the IP address must have binary zeroes; therefore, 192.168.47.5/24 is not acceptable. The number following the forward slash can be 0 to 31. The range 0.0.0.0/0 matches any address.

- If you selected VLAN ID, enter a VLAN number in the range 1 to 2046. Separate multiple VLAN IDs with semicolons.

Step 6 In the Profile Policy field, enter the number of the profile policy to associate with this user.

Step 7 To log traffic for this user in real-time, check the **Real Time** check box.

Step 8 Click **OK**.

The new user is added to the list of users in the Provisioning screen.

Related Topics

- [Viewing Users, page 4-1](#)
- [Editing Users, page 4-3](#)
- [Deleting Users, page 4-4](#)

Editing Users

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Click the User Name of the user you want to edit.

The User Management dialog box appears displaying the Edit user form.

Step 3 In the User Name field, enter a meaningful name for the user.

Step 4 From the Network Identifier drop-down list, choose a network identifier.

The available network identifiers are:

- IP Address(es)
- IP Range(s)
- VLAN ID(s)

Step 5 In the Network Identifier field, enter the information to identify the user.

- If you selected IP Address, enter 1 or 2 valid IP addresses in the Network Identifier field. If you enter 2 IP addresses, separate them with a semicolon.

- If you selected IP Range, enter 1 or 2 valid IP address ranges in the Network Identifier field. If you enter 2 IP address ranges, separate them with a semicolon.

An IP address range is specified using subnet mask notation; for example, 192.168.47.0/24. This means all addresses in the range 192.168.47.0 to 192.168.47.255. The host part of the IP address must have binary zeroes; therefore, 192.168.47.5/24 is not acceptable. The number following the forward slash can be 0 to 31. The range 0.0.0.0/0 matches any address.

- If you selected VLAN ID, enter a VLAN number in the range 1 to 2046. Separate multiple VLAN IDs with semicolons.

Step 6 In the Profile Policy field, enter the number of the profile policy to associate with this user.

Step 7 To log traffic for this user in real-time, check the **Real Time** check box.

Step 8 Click **OK**.

The modified user is displayed in the list of users in the Provisioning screen.

Related Topics

- [Viewing Users, page 4-1](#)
- [Adding Users, page 4-2](#)
- [Deleting Users, page 4-4](#)

Deleting Users

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Check the check boxes next to the user or users you want to delete.

Step 3 Click **Delete**.

The user or users are removed from the list.

Related Topics

- [Viewing Users, page 4-1](#)
- [Adding Users, page 4-2](#)
- [Editing Users, page 4-3](#)

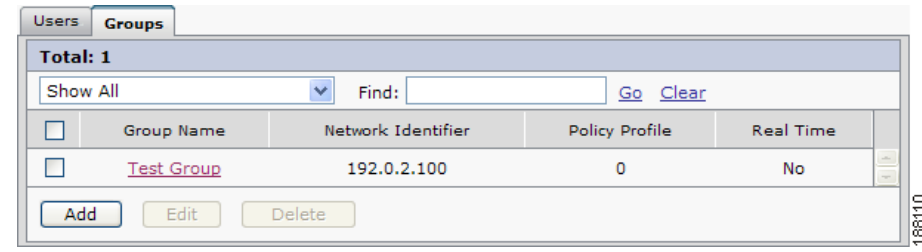
Viewing Groups

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Click the **Groups** tab.

The Provisioning screen appears in the Configuration pane displaying the list of groups.



Related Topics

- [Adding Groups, page 4-5](#)
- [Editing Groups, page 4-6](#)
- [Deleting Groups, page 4-7](#)

Adding Groups

- Step 1** In the Navigation pane, select **User Management > Provisioning**.
The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.
- Step 2** Click the **Groups** tab.
The Provisioning screen appears in the Configuration pane displaying the list of groups.
- Step 3** Click **Add**.
The User Management dialog box appears displaying the Add Group form.

- Step 4** In the Group Name field, enter a meaningful name for the group.
- Step 5** From the Network Identifier drop-down list, choose a network identifier.
The available network identifiers are:
- IP Address
 - IP Range
- Step 6** In the Network Identifier field, enter the information to identify the user.
- If you selected IP Address, enter a valid IP Address in the Network Identifier field.

- If you selected IP Range, enter a valid IP Address range in the Network Identifier field.
An IP address range is specified using subnet mask notation; for example, 192.168.47.0/24. This means all addresses in the range 192.168.47.0 to 192.168.47.255. The host part of the IP address must have binary zeroes; therefore, 192.168.47.5/24 is not acceptable. The number following the forward slash can be 0 to 31. The range 0.0.0.0/0 matches any address.

Step 7 In the Profile Policy field, enter the number of the profile policy to associate with this group.

Step 8 To log traffic for this group in real-time, check the **Real Time** check box.

Step 9 Click **OK**.

The new group is displayed in the list of groups in the Provisioning screen.

Related Topics

- [Viewing Groups, page 4-4](#)
- [Editing Groups, page 4-6](#)
- [Deleting Groups, page 4-7](#)

Editing Groups

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Click the **Groups** tab.

The Provisioning screen appears in the Configuration pane displaying the list of groups.

Step 3 Click the Group Name of the group you want to edit.

The User Management dialog box appears displaying the Edit Group form.

Step 4 In the Group Name field, enter a meaningful name for the group.

Step 5 From the Network Identifier drop-down list, choose a network identifier.

The available network identifiers are:

- IP Address
- IP Range

Step 6 In the Network Identifier field, enter the information to identify the user.

- If you selected IP Address, enter a valid IP Address in the Network Identifier field.

- If you selected IP Range, enter a valid IP Address range in the Network Identifier field.

An IP address range is specified using subnet mask notation; for example, 192.168.47.0/24. This means all addresses in the range 192.168.47.0 to 192.168.47.255. The host part of the IP address must have binary zeroes; therefore, 192.168.47.5/24 is not acceptable. The number following the forward slash can be 0 to 31. The range 0.0.0.0/0 matches any address.

Step 7 In the Profile Policy field, enter the number of the profile policy to associate with this group.

Step 8 To log traffic for this group in real-time, check the **Real Time** check box.

Step 9 Click **OK**.

The modified group is displayed in the list of groups in the Provisioning screen.

Related Topics

- [Viewing Groups, page 4-4](#)
- [Adding Groups, page 4-5](#)
- [Deleting Groups, page 4-7](#)

Deleting Groups

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane with the Users tab displaying the list of users.

Step 2 Click the **Groups** tab.

The Provisioning screen appears in the Configuration pane displaying the list of groups.

Step 3 Check the check box next to the group or groups you want to delete.

Step 4 Click **Delete**.

The group or groups are removed from the list.

Related Topics

- [Viewing Groups, page 4-4](#)
- [Adding Groups, page 4-5](#)
- [Editing Groups, page 4-6](#)

Monitoring Active Users

The APADC provides the operator with a real-time view of the users who are passing traffic through the NME-APA.

Step 1 In the Navigation pane, select **User Management > Monitoring**.

The Monitoring screen appears in the Configuration pane.

Monitored Users		
User Name	Network Identifier	Policy Profile
No monitored users available		

Managing User Configurations

The APADC is a Graphical User Interface (GUI) which gives the NME-APA operator an intuitive method of modifying NME-APA configurations. Configuration changes are made to an NME-APA device through a process of retrieving the device's configuration for display in the APADC, modifying the configuration parameters in the APADC, and applying the modified configuration back to the NME-APA device.

The user configuration is one of the three configurations that you manage using the APADC and apply to an NME-APA device. It contains user definitions and group definitions. The other two configuration types are device configuration and traffic configuration.



Note

When the APADC is not connected to a device, the user configuration is empty.



Note

When the APADC is connected to a device, the configuration is automatically retrieved when the Provisioning page is displayed. For information on connecting to a device, see [Managing Device Connections, page 2-2](#).

NME-APA user configurations can also be stored offline in configuration files and restored to NME-APA devices through the configuration Export and Import functions. The default location for storing user configurations is C:\APADC\apache-tomcat-5.5.20\webapps\ROOT\scate_exports.



Caution

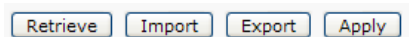
When editing the user configuration, you must click **Save** before navigating away from the current page otherwise your changes are not saved.

- [Retrieving User Configurations, page 4-8](#)
- [Applying Configuration Changes, page 4-9](#)
- [Exporting User Configurations, page 4-9](#)
- [Importing User Configurations, page 4-10](#)

Retrieving User Configurations

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane, displaying the Retrieve button in the bottom section.



Step 2 Click **Retrieve**.

The user configuration is retrieved and loaded into the APADC.

Related Topics

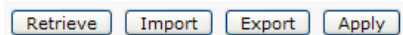
- [Applying Configuration Changes, page 4-9](#)
- [Exporting User Configurations, page 4-9](#)
- [Importing User Configurations, page 4-10](#)

Applying Configuration Changes

The APADC interface allows you to modify a user configuration without affecting the device. To use the modified configuration, you must apply it to the device.

Step 1 In the Navigation pane, select **User Management > Provisioning**.

The User Provisioning screen appears in the Configuration pane, displaying the Apply button in the bottom section.



Step 2 Click **Apply**.

The user configuration is applied to the device.

Related Topics

- [Retrieving User Configurations, page 4-8](#)
- [Exporting User Configurations, page 4-9](#)
- [Importing User Configurations, page 4-10](#)

Exporting User Configurations

A user configuration can be exported and saved to a file so that it can be archived or applied to other devices.

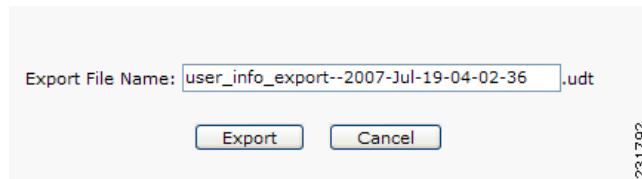
Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane, displaying the Export button in the bottom section.



Step 2 Click **Export**.

The Export User Information dialog box appears.



Step 3 In the Export File Name field, enter a file name for the configuration file.

Step 4 Click **Export**.

The user configuration is exported to a file.



Note To view a list of exported configuration files or to delete exported configuration files, see [Importing User Configurations, page 4-10](#).

Related Topics

- [Retrieving User Configurations, page 4-8](#)
- [Applying Configuration Changes, page 4-9](#)
- [Importing User Configurations, page 4-10](#)

Importing User Configurations

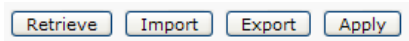


Note

If you manually edit the user configuration file prior to import, you must ensure that the file contains no more than 499 users and no more than 100 groups. Also, each user definition must have at most two IP addresses or IP ranges, and each group definition must have at most one IP address or IP range. User configuration files are imported from the following directory:
C:\APADC\apache-tomcat-5.5.20\webapps\ROOT\scate_exports

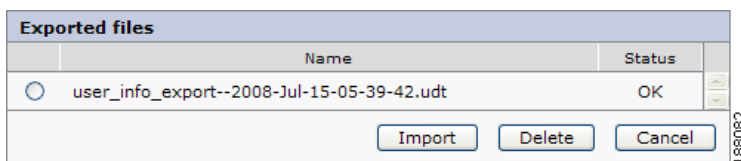
Step 1 In the Navigation pane, select **User Management > Provisioning**.

The Provisioning screen appears in the Configuration pane, displaying the Import button in the bottom section.



Step 2 Click **Import**.

The Import Users dialog box appears.



Step 3 Click the radio button next to the file you want to import.

Step 4 Click **Import**.

The user configuration is imported to the APADC.

Related Topics

- [Retrieving User Configurations, page 4-8](#)
- [Applying Configuration Changes, page 4-9](#)
- [Exporting User Configurations, page 4-9](#)

