Chapter 16

Monitoring SAE Data with the C-Web Interface

This chapter describes how to use the C-Web interface to monitor SAE data. Topics include:

- Viewing SAE Data with the C-Web Interface on page 125
- Viewing Information About Subscriber Sessions with the C-Web Interface on page 134
- Viewing SNMP Information with the C-Web Interface on page 140

Viewing SAE Data with the C-Web Interface

You can view data currently stored in the SAE server's memory for:

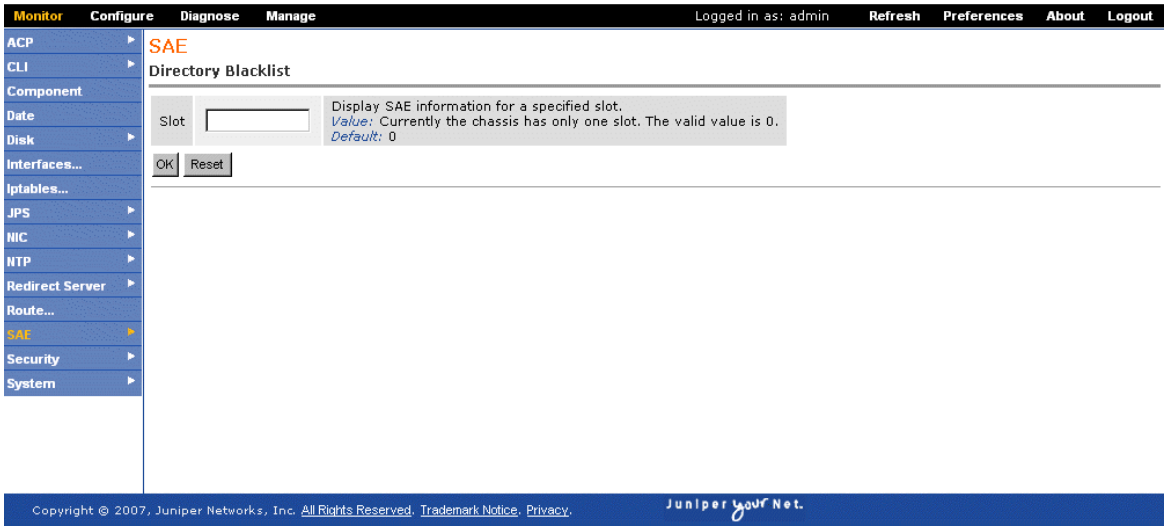
- Directory blacklist
- Services
- Licenses
- Policies
- Devices
- Interfaces
- Login registrations
- Equipment registrations
- Threads
- Subscriber Sessions

Viewing Information About the Directory Blacklist

To view information about the directory blacklist configured on the SAE:

1. Click **Monitor > SAE > Directory Blacklist**.

   The Directory Blacklist pane appears.



2. In the Slot box, enter the number of the slot for which you want to display directory blacklist information.

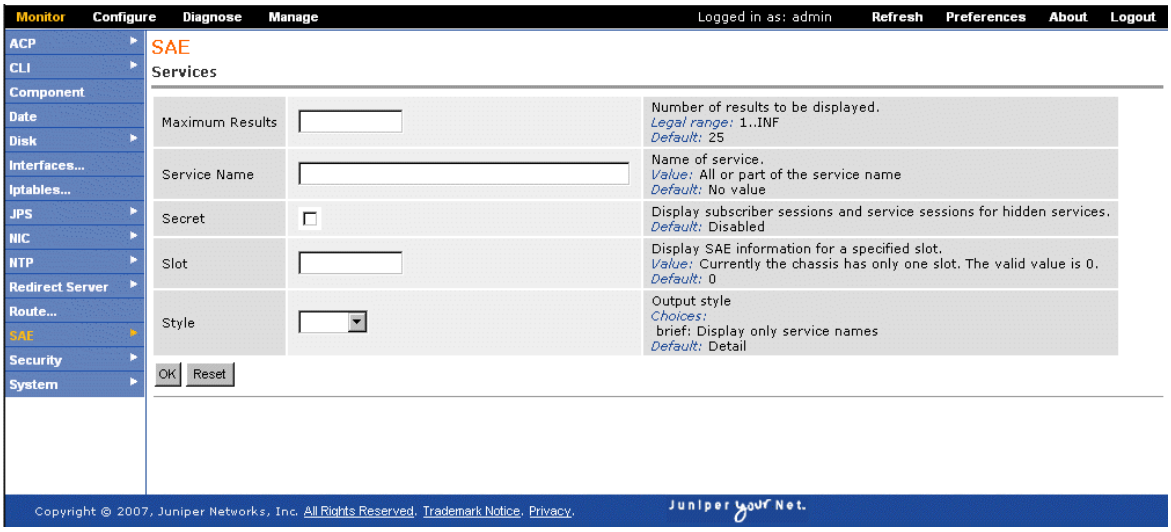
   The Directory Blacklist pane displays the directory blacklist information.

Viewing Information About Services

To view information about the services available on the SAE:

1. Click **Monitor > SAE > Services**.

   The Services pane appears.



2. In the Maximum Results box, enter the maximum number of results that you want to receive.
3. In the Service Name box, enter a full or partial service name for which you want to display information, or leave the box blank to display all services.
4. Select the **Secret** check box to set a flag indicating that secret services are displayed.
5. In the Slot box, enter the number of the slot for which you want to display services information.
6. Select an output style from the Style list.
7. Click **OK**.

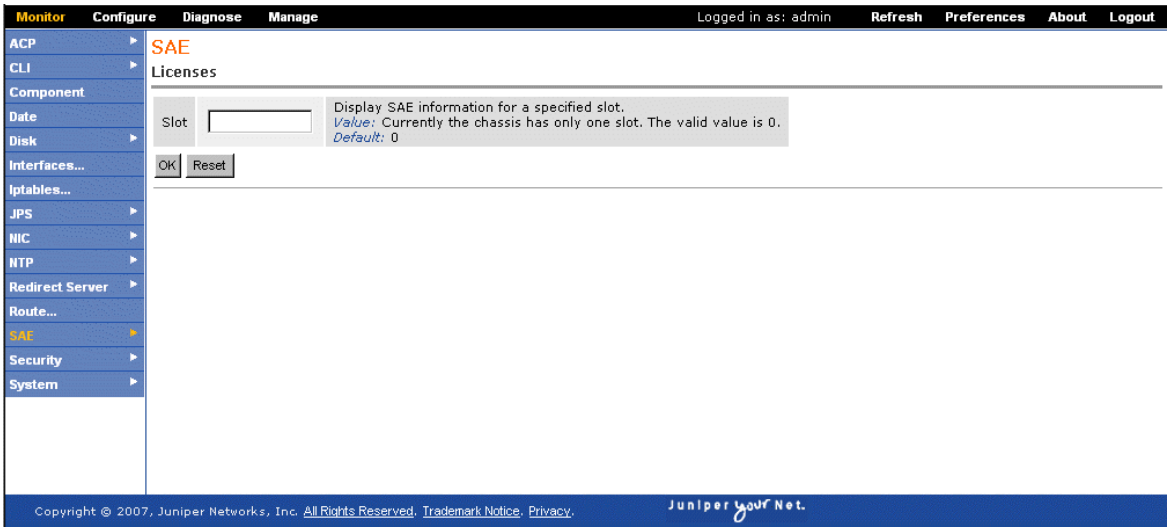
   The Services pane displays the status of the services running on the SAE.

Viewing Information About Licenses

To view information about licenses:

1. Click **Monitor > SAE > Licenses**.

   The Licenses pane appears.



2. In the Slot box, enter the number of the slot for which you want to display license information.

3. Click **OK**.

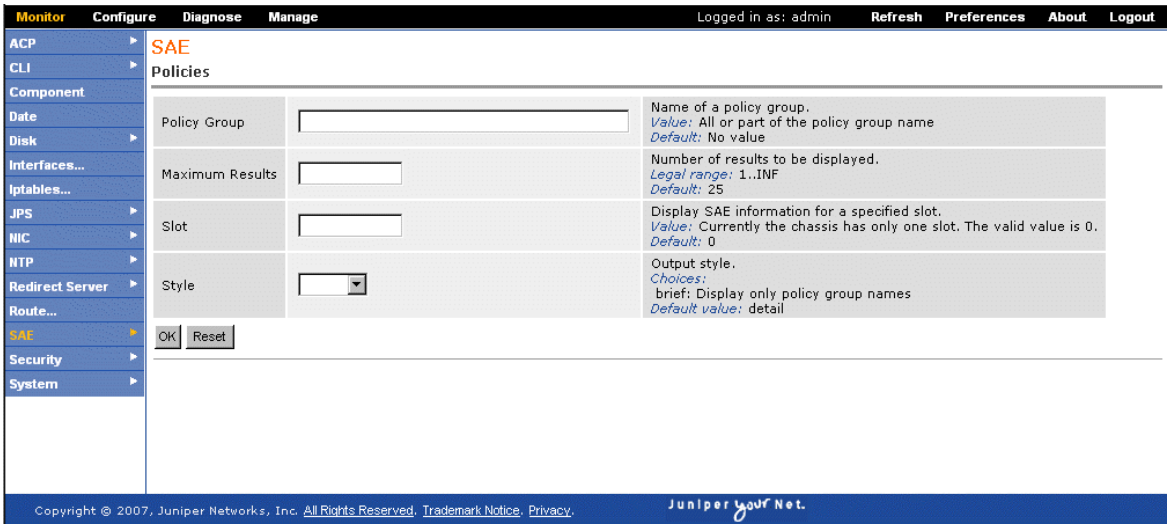
   The Licenses pane displays license information.

Viewing Information About Policies

To view information about the policies available on the SAE:

1. Click **Monitor > SAE > Policies**.

   The Policies pane appears.



2. In the Policy Group box, enter a full or partial policy name for which you want to display information, or leave the box blank to display all policies.
3. In the Maximum Results box, enter the maximum number of results that you want to receive.
4. In the Slot box, enter the number of the slot for which you want to display policy information.
5. Select an output style from the Style list.
6. Click **OK**.

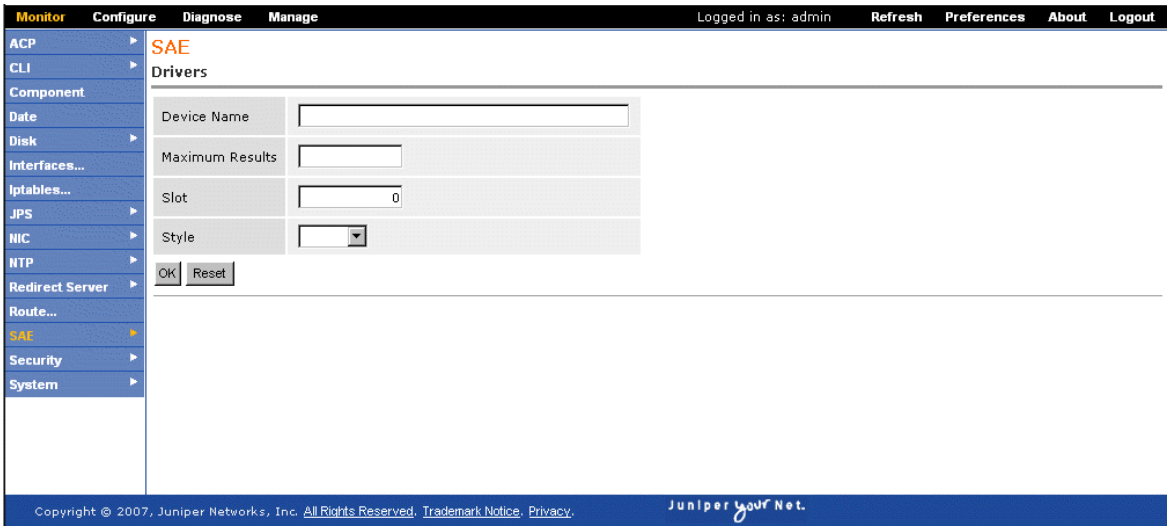
   The Policies pane displays the status of the policies configured on the SAE.

Viewing Information About Device Drivers

To view information about the device drivers available on the SAE:

1. Click **Monitor > SAE > Drivers**.

   The Drivers pane appears.



2. In the Device Name box, enter a full or partial device driver name for which you want to display information, or leave the box blank to display all devices.

   For JUNOSe router drivers, use the format:

   <virtual router name>@<router name>

   For JUNOS router drivers and PCMM drivers, use the format:

   default@<router name>

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. In the Slot box, enter the number of the slot for which you want to display device information.

5. Select an output style from the Style list.

6. Click **OK**.

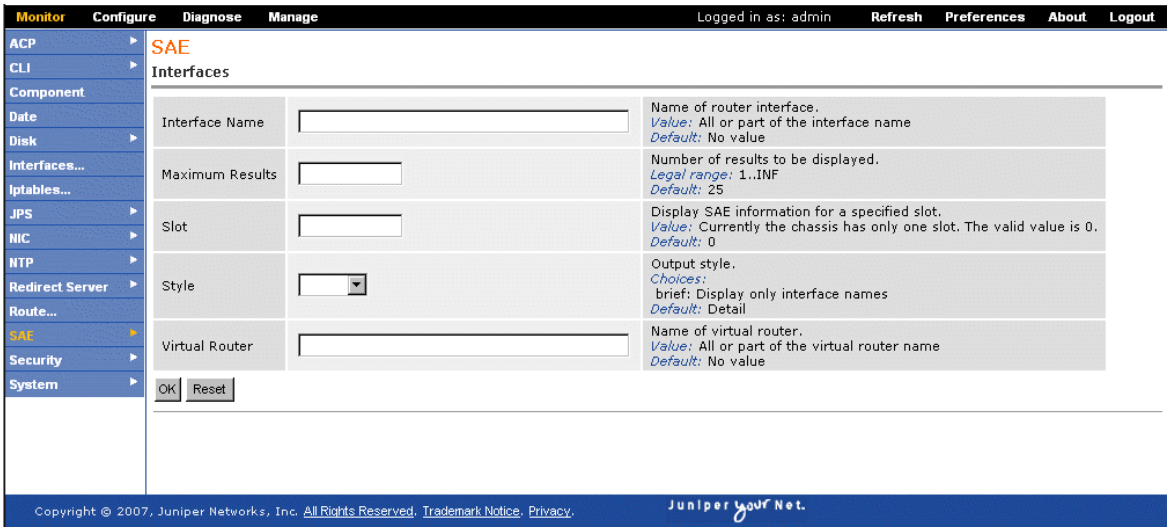
   The Drivers pane displays the status of the devices running on the SAE.

Viewing Information About Interfaces

To view information about the interfaces available on the router:

1. Click **Monitor > SAE > Interfaces**.

   The Interfaces pane appears.



2. In the Interface Name box, enter the name of the router interface for which you want to display information. or leave the box blank to display information about all router interfaces.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. In the Slot box, enter the number of the slot for which you want to display interface information.

5. Select an output style from the Style list.

6. In the Virtual Router box, enter the name of the virtual router for which you want to display interfaces, or leave the box blank to display information for all virtual routers.

7. Click **OK**.

   The Interfaces pane displays the interfaces available on the router.

Viewing Equipment Registrations

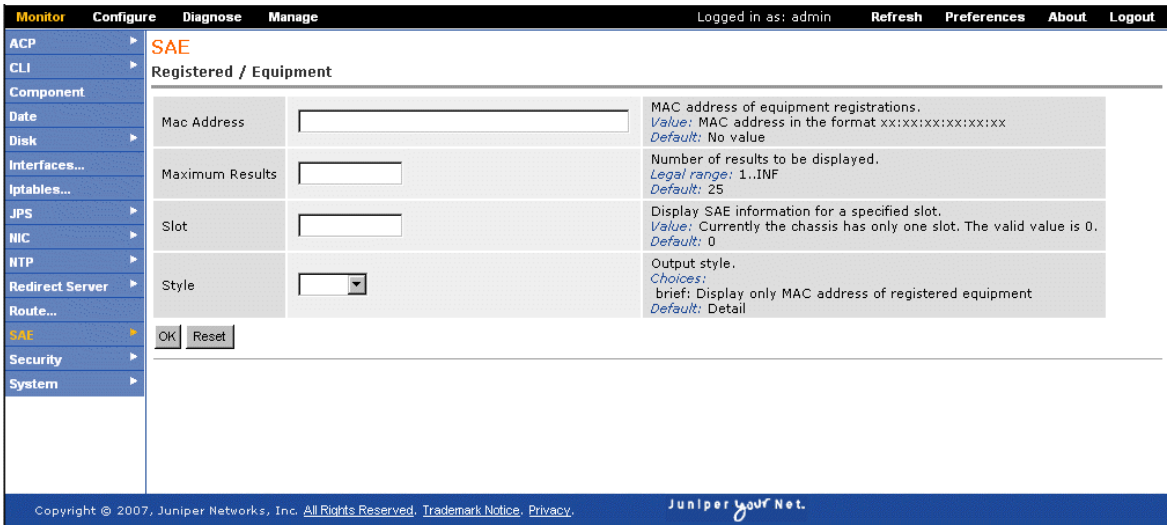
You can view all equipment registrations, or you can view a specific registration.

For information about login and equipment registrations, see *SRC-PE Sample Applications Guide*.

To view information about equipment registrations:

1. Click **Monitor > SAE > Registered > Equipment**.

   The Registered/Equipment pane appears.



2. In the MAC Address box, enter a MAC address that specifies the equipment registrations that you want to display.

   Use the format:

   xx:xx:xx:xx:xx:xx

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. In the Slot box, enter the number of the slot for which you want to display equipment registration information.

5. Select an output style from the Style list.

6. Click **OK**.

   The Registered/Equipment pane displays information about the equipment registrations.

Viewing Login Registrations

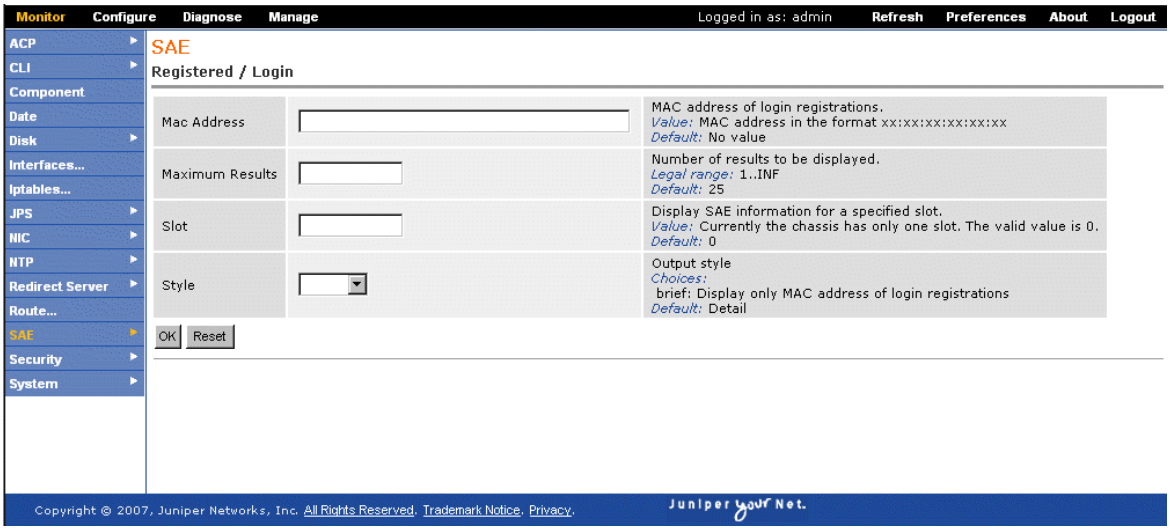
You can view all login registrations, or you can view a specific registration.

For information about login and equipment registrations, see *SRC-PE Sample Applications Guide*.

To view information about login registrations:

1. Click **Monitor > SAE > Registered > Login**.

   The Registered/Login pane appears.



2. In the MAC Address box, enter a MAC address that specifies the login registrations that you want to display.

   Use the format:

   xx:xx:xx:xx:xx:xx

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. In the Slot box, enter the number of the slot for which you want to display login registration information.

5. Select an output style from the Style list.

6. Click **OK**.

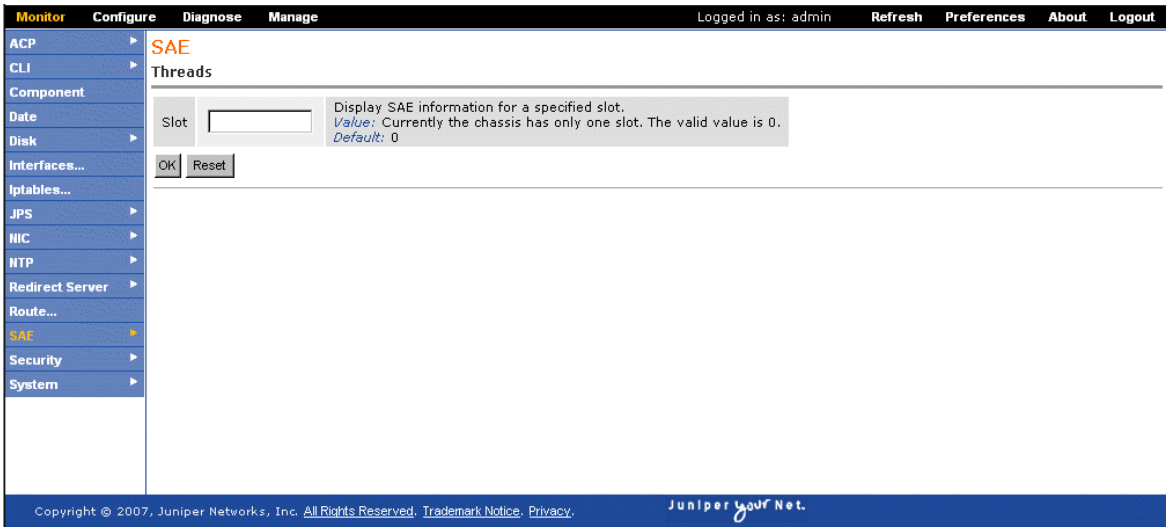
   The Registered/Login pane displays information about the login registrations.

Viewing Information About Threads

To view information about the threads and their priority on the SAE:

1. Click **Monitor > SAE > Threads**.

   The Threads pane appears.



2. In the Slot box, enter the number of the slot for which you want to display thread information.

3. Click **OK**.

   The Threads pane displays information about threads.

Viewing Information About Subscriber Sessions with the C-Web Interface

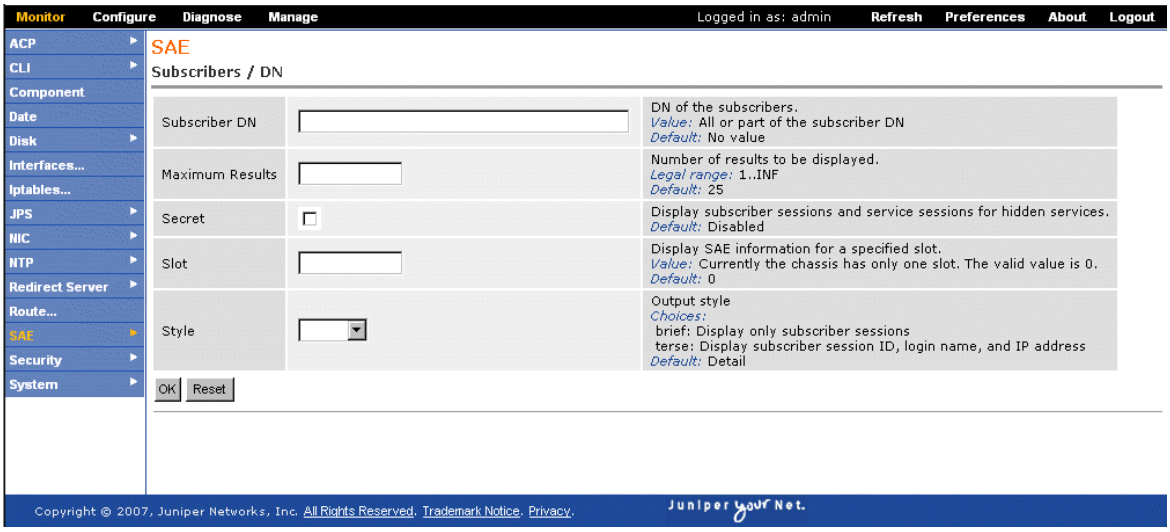
You can list subscriber sessions by the distinguished name (DN) of the subscriber entry in the directory, by login name, or by session ID. You can also list subscriber sessions by IP address for Dynamic Host Configuration Protocol (DHCP) subscribers, authenticated Point-to-Point Protocol (PPP) subscribers, and static IP subscribers who are being managed by the SAE.

Viewing Information About Subscriber Sessions by DN

To view information about subscriber sessions by DN:

1. Click **Monitor > SAE > Subscribers > DN**.

   The Subscribers/DN pane appears.



2. In the Subscriber DN box, enter a full or partial subscriber DN for which you want to display information, or leave the box blank to display all subscriber sessions.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. Select the **Secret** check box to set a flag indicating that subscriptions and service sessions from hidden services are displayed.

5. In the Slot box, enter the number of the slot for which you want to display subscriber session information.

6. Select an output style from the Style list.

7. Click **OK**.

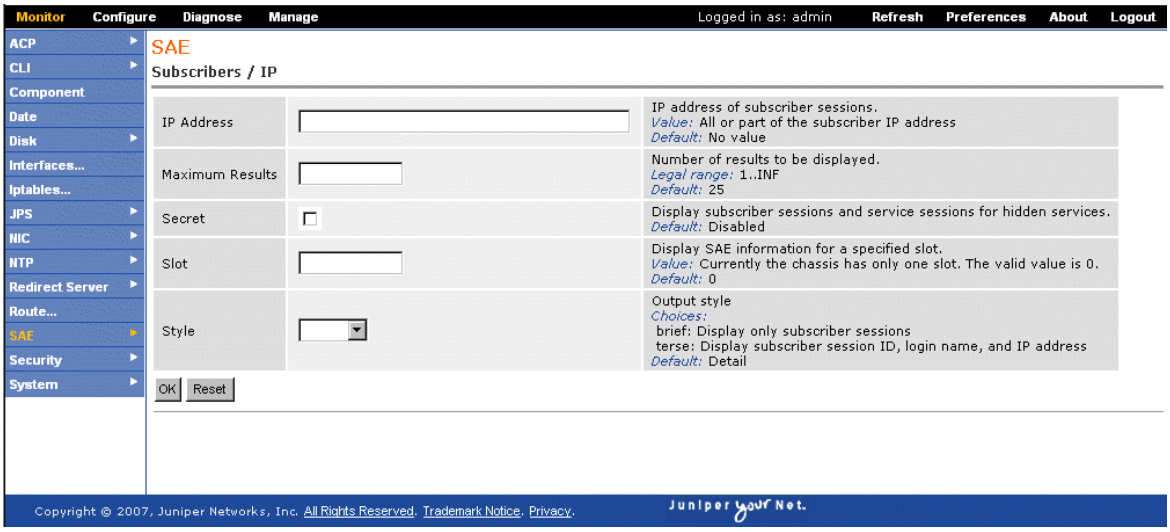
   The Subscribers/DN pane displays information about subscriber sessions.

Viewing Information About Subscribers by IP Address

To view information about subscriber sessions by IP address:

1. Click **Monitor > SAE > Subscribers > IP**.

   The Subscribers/IP pane appears.



2. In the IP Address box, enter a full or partial IP address for which you want to display information, or leave the box blank to display all subscriber sessions.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. Select the **Secret** check box to set a flag indicating that subscriptions and service sessions from hidden services are displayed.

5. In the Slot box, enter the number of the slot for which you want to display subscriber session information.

6. Select an output style from the Style list.

7. Click **OK**.

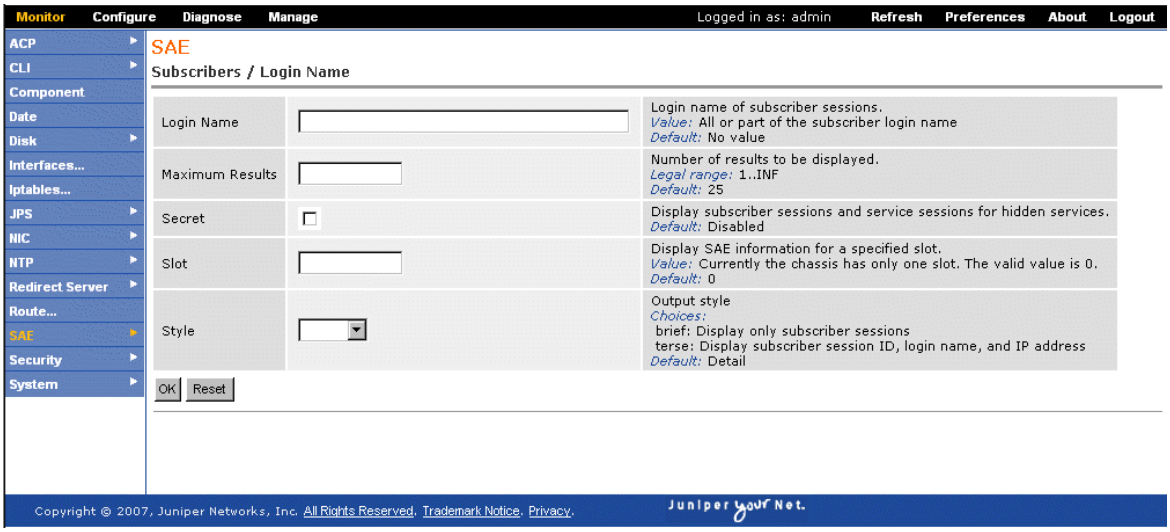
   The Subscribers/IP pane displays information about subscriber sessions.

Viewing Information About Subscriber Sessions by Login Name

To view information about subscriber sessions by login name:

1. Click **Monitor > SAE > Subscribers > Login Name**.

   The Subscribers/Login Name pane appears.



2. In the Login Name box, enter a full or partial login name for which you want to display information, or leave the box blank to display all subscriber sessions.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. Select the **Secret** check box to set a flag indicating that subscriptions and service sessions from hidden services are displayed.

5. In the Slot box, enter the number of the slot for which you want to display subscriber session information.

6. Select an output style from the Style list.

7. Click **OK**.

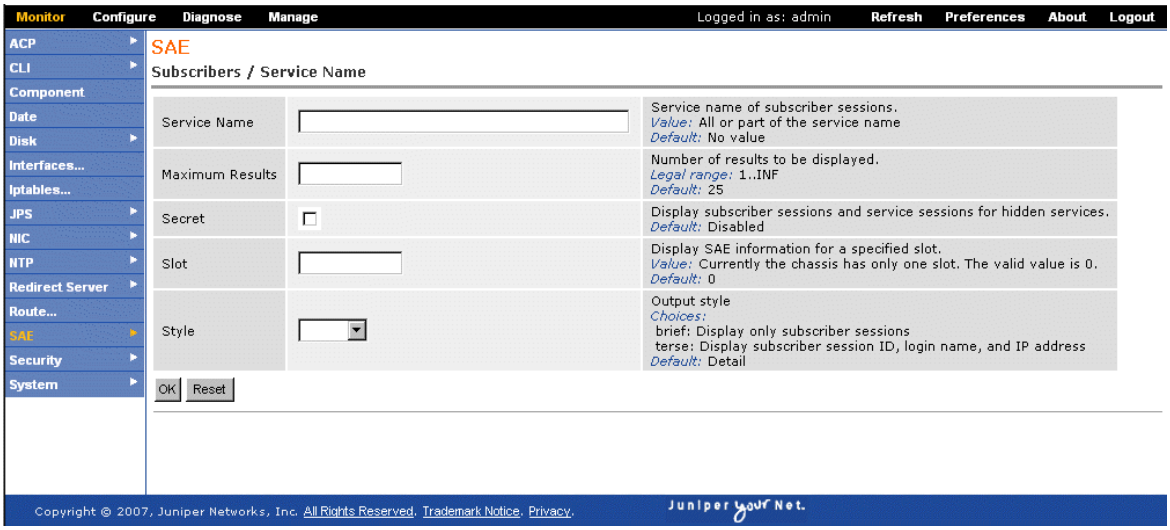
   The Subscribers/Login Name pane displays information about subscriber sessions.

Viewing Information About Subscriber Sessions by Service Name

To view information about subscriber sessions by service name:

1. Click **Monitor > SAE > Subscribers > Service Name**.

   The Subscribers/Service Name pane appears.



2. In the Service Name box, enter a full or partial service name for which you want to display information, or leave the box blank to display all subscriber sessions.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. Select the **Secret** check box to set a flag indicating that subscriptions and service sessions from hidden services are displayed.

5. In the Slot box, enter the number of the slot for which you want to display subscriber session information.

6. Select an output style from the Style list.

7. Click **OK**.

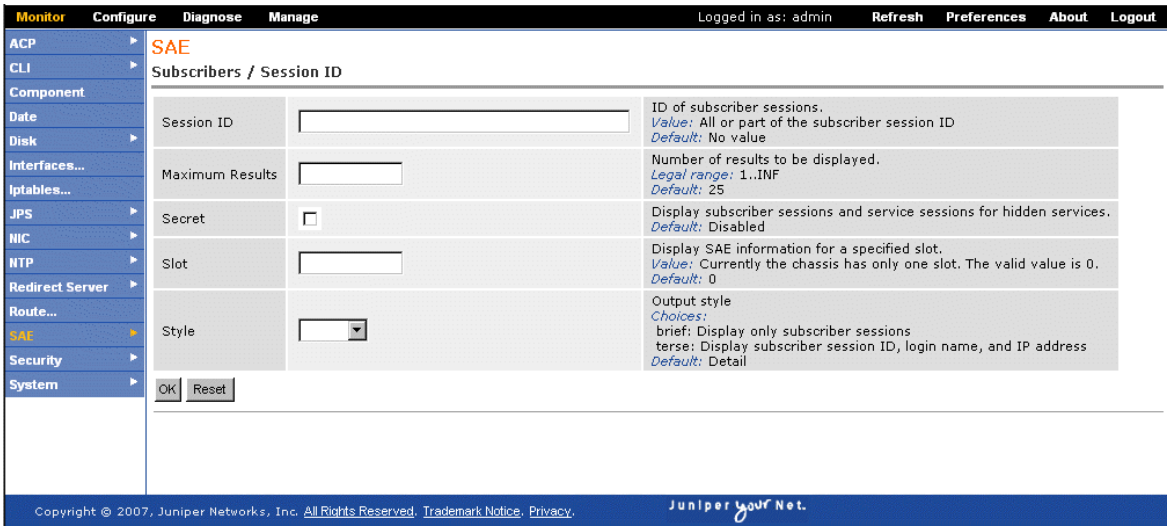
   The Subscribers/Service Name pane displays information about subscriber sessions.

Viewing Information About Subscriber Sessions by Session ID

To view information about subscriber sessions by session ID:

1. Click **Monitor > SAE > Subscribers > Session ID**.

   The Subscribers/Session ID pane appears.



2. In the Session ID box, enter a full or partial session ID name for which you want to display information, or leave the box blank to display all subscriber sessions.

3. In the Maximum Results box, enter the maximum number of results that you want to receive.

4. Select the **Secret** check box to set a flag indicating that subscriptions and service sessions from hidden services are displayed.

5. In the Slot box, enter the number of the slot for which you want to display subscriber session information.

6. Select an output style from the Style list.

7. Click **OK**.

   The Subscribers/Session ID pane displays information about subscriber sessions.

Viewing SNMP Information with the C-Web Interface

You can use the C-Web interface to view SNMP statistics for the SAE configuration of:

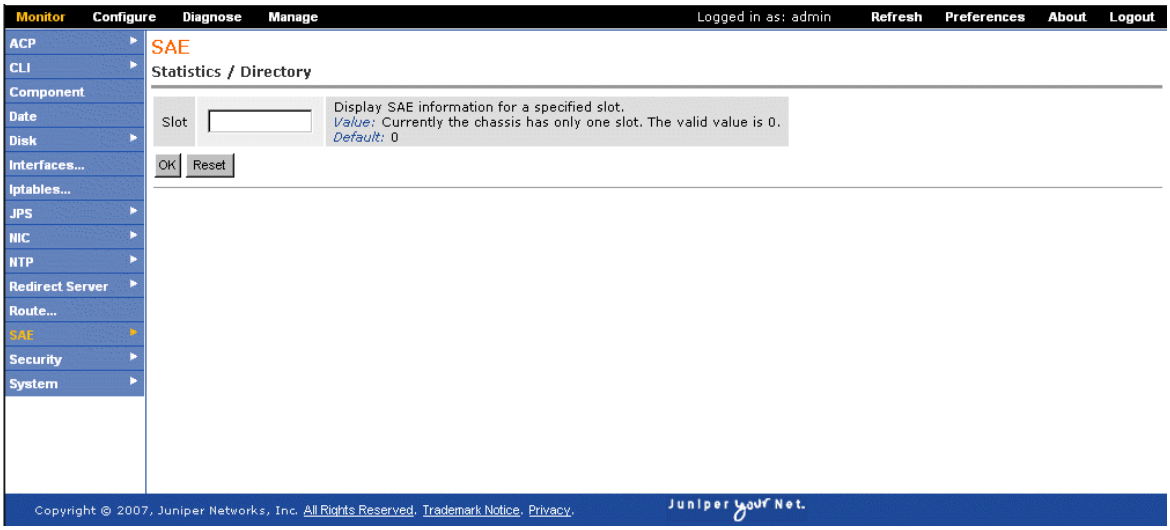
- Directory
- Licenses
- Policies
- Server processes
- RADIUS
- Devices
- Subscriber sessions and service sessions

Viewing SNMP Statistics for the Directory

To view SNMP statistics for the directory:

1. Click **Monitor > SAE > Statistics > Directory**.

   The Statistics/Directory pane appears.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for the directory.

3. Click **OK**.

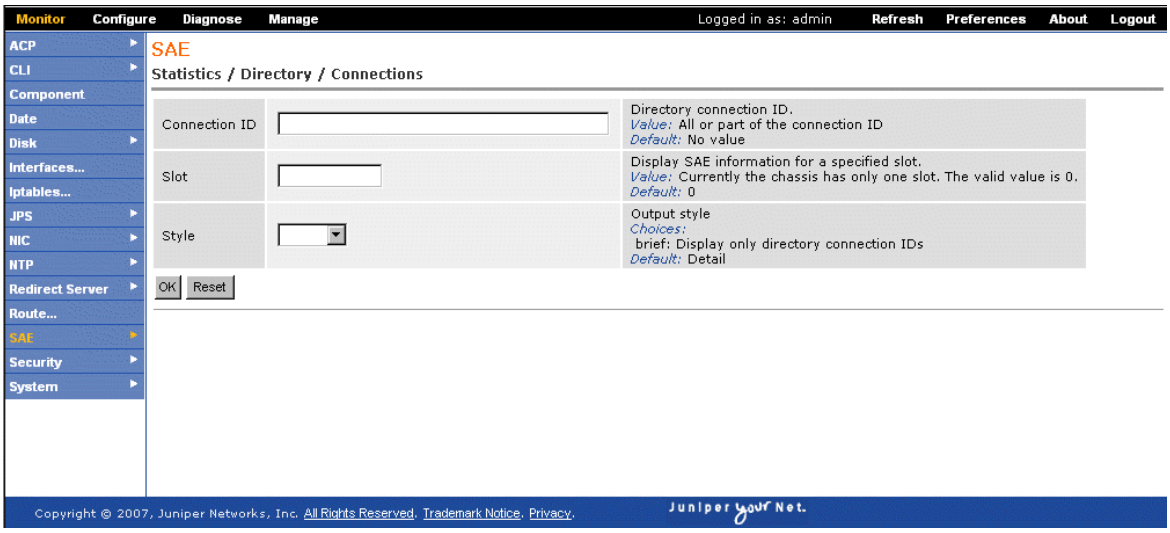
   The Statistics/Directory pane displays statistics for the directory.

Viewing SNMP Statistics for Directory Connections

To view SNMP statistics for directory connections:

1. Click **Monitor > SAE > Statistics > Directory > Connections**.

   The Statistics/Directory/Connections pane appears.



2. In the Connection ID box, enter a full or partial connection ID for which you want to display information, or leave the box blank to display all SNMP statistics for all directory connections.

3. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for directory connections.

4. Select an output style from the Style list.

5. Click **OK**.

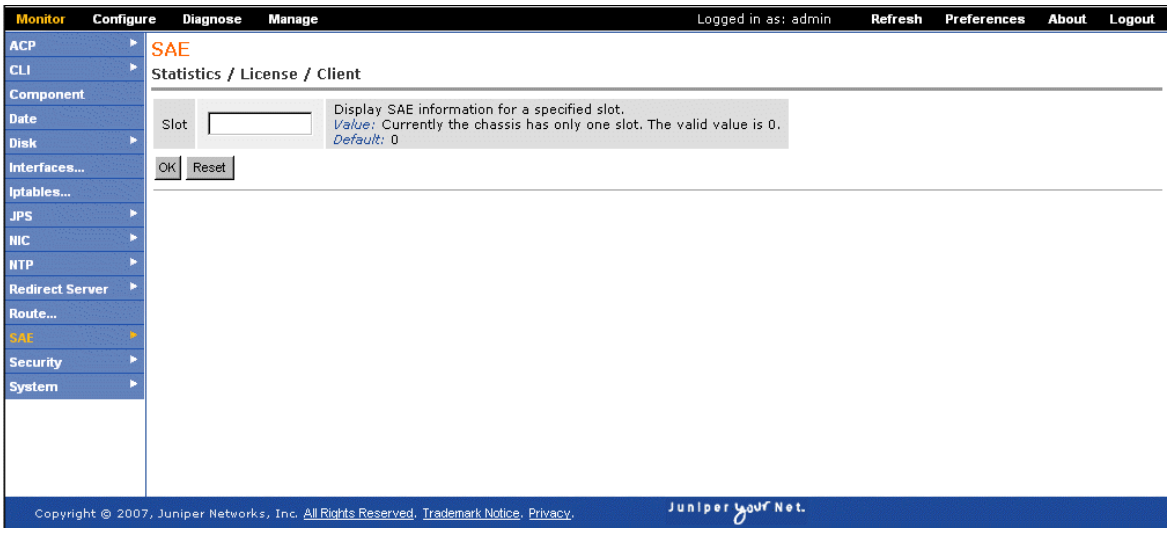
   The Statistics/Connections pane displays statistics for directory connections.

Viewing SNMP Statistics for Client Licenses

To view SNMP statistics for client licenses:

1. Click **Monitor > SAE > Statistics > License > Client**.

   The Statistics/License/Client pane appears.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for client licenses.

3. Click **OK**.

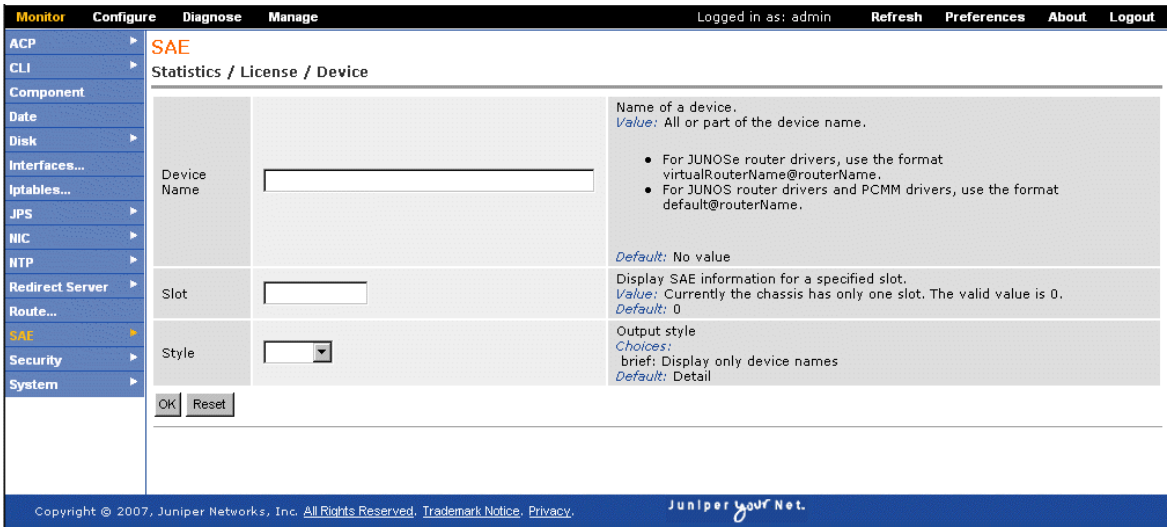
   The Statistics/License/Client pane displays statistics for client licenses.

Viewing SNMP Statistics for Licenses by Device

To view SNMP statistics for licenses by device:

1. Click **Monitor > SAE > Statistics > License > Device**.

   The Statistics/License/Device pane appears.



2. In the Device Name box, enter a full or partial device name for which you want to display information, or leave the box blank to display SNMP statistics for all devices.

   For JUNOSe router drivers, use the format:

   <virtual router name>@<router name>

   For JUNOS router drivers and PCMM drivers, use the format:

   default@<router name>

3. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for device licenses.

4. Select an output style from the Style list.

5. Click **OK**.

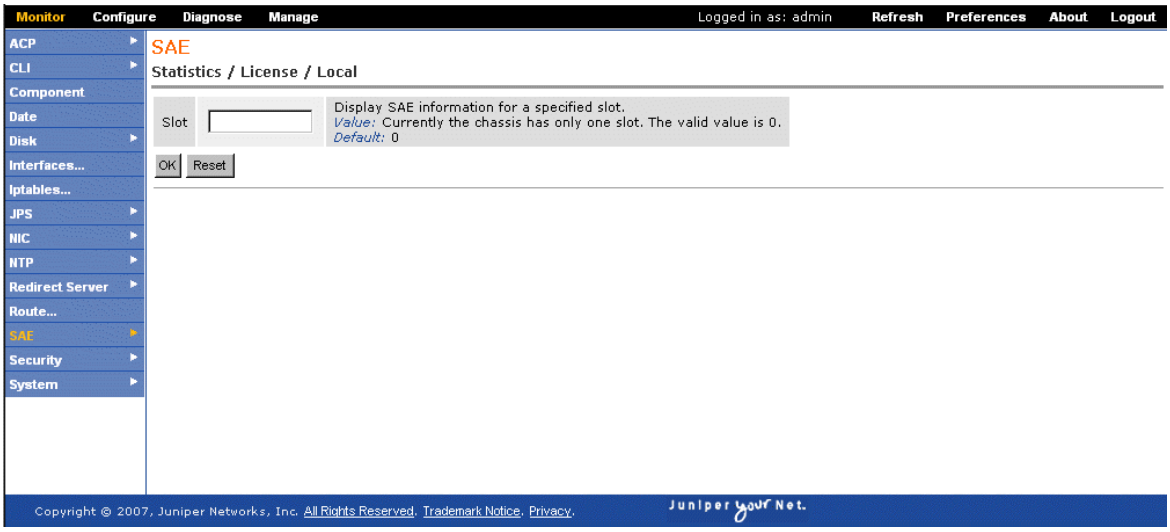
   The Statistics/License/Device pane displays statistics for virtual router licenses.

Viewing SNMP Statistics for Local Licenses

To view SNMP statistics for local licenses:

1. Click **Monitor > SAE > Statistics > License > Local**.

   The Statistics/License/Local pane appears.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for local licenses.

3. Click **OK**.

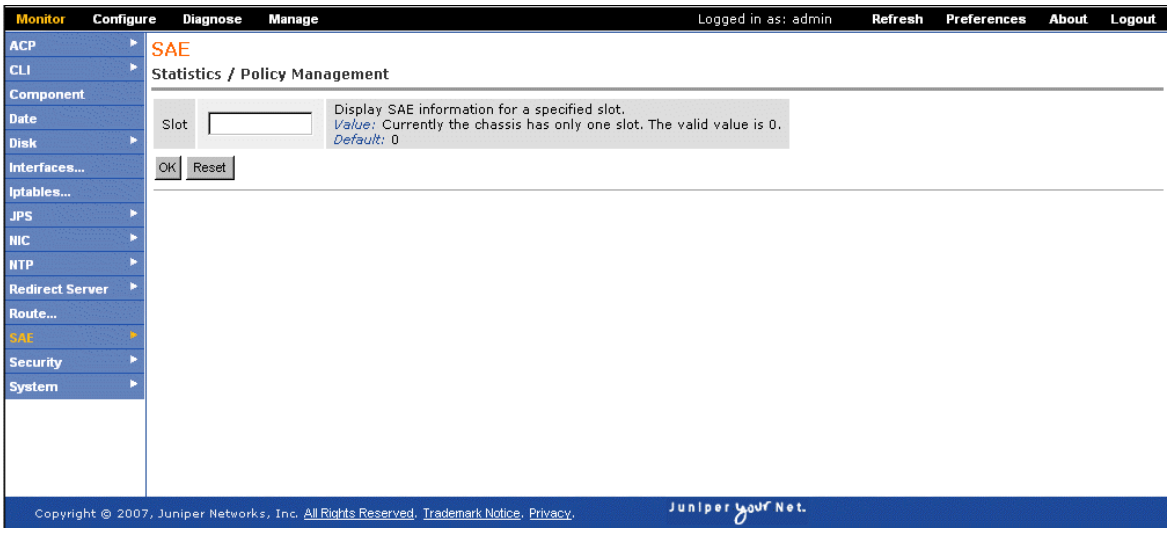
   The Statistics/License/Local pane displays statistics for local licenses.

Viewing SNMP Statistics About Policies

To view SNMP statistics about policies:

- Click **Monitor > SAE > Statistics > Policy Management**.

  The Statistics/Policy Management pane appears.



4. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for policies.

5. Click **OK**.

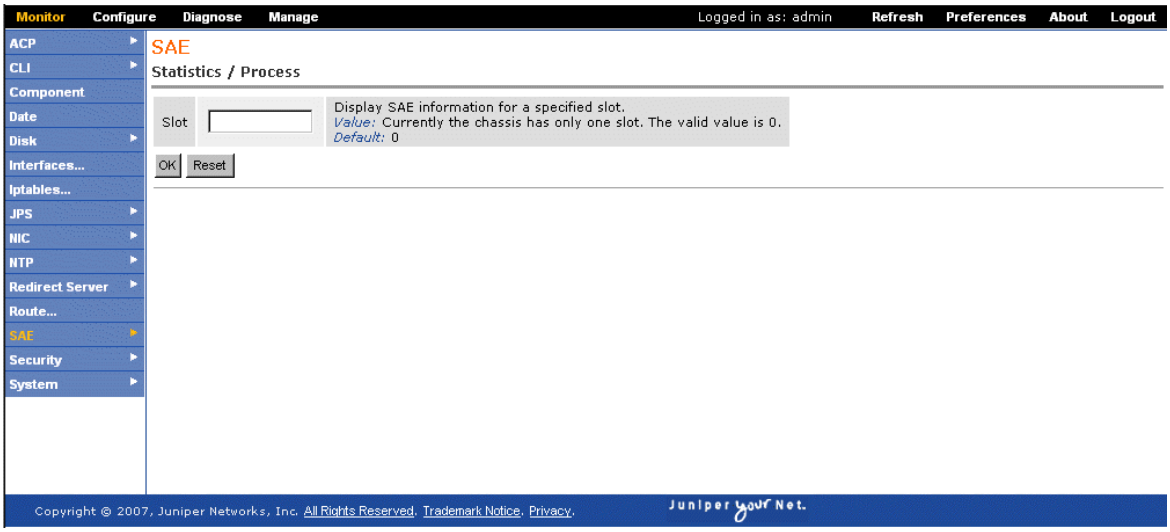
   The Statistics/Policy Management pane displays statistics for policies.

Viewing SNMP Statistics About Server Processes

To view SNMP statistics about server processes:

1. Click **Monitor > SAE > Statistics > Process**.

   The Statistics/Process pane appears.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for server processes.

3. Click **OK**.

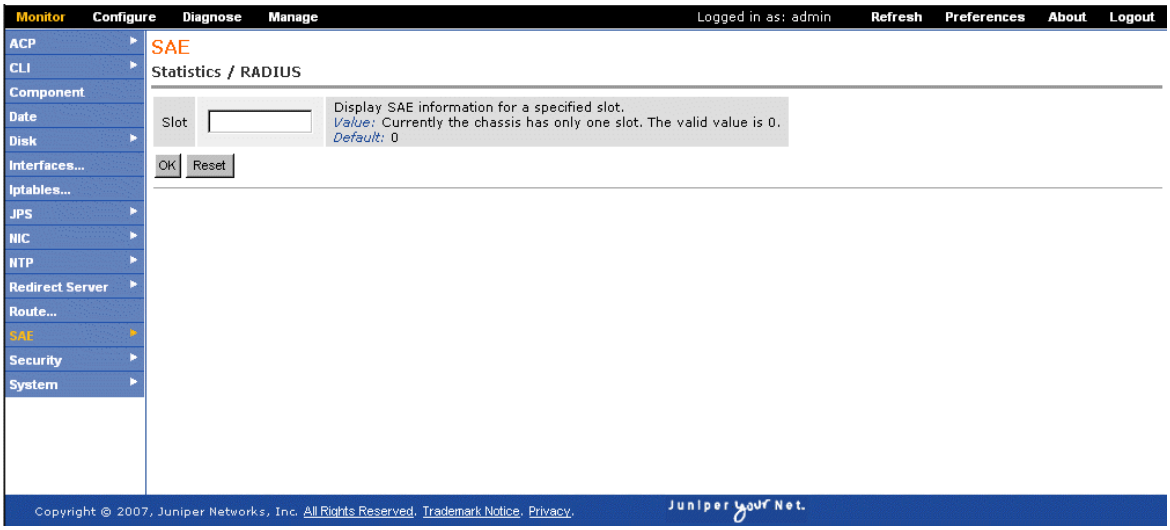
   The Statistics/Process pane displays statistics for server processes.

Viewing SNMP Statistics About RADIUS

To view SNMP statistics about RADIUS:

1. Click **Monitor > SAE > Statistics > RADIUS**.

   The Statistics/RADIUS pane appears.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for RADIUS.

3. Click **OK**.

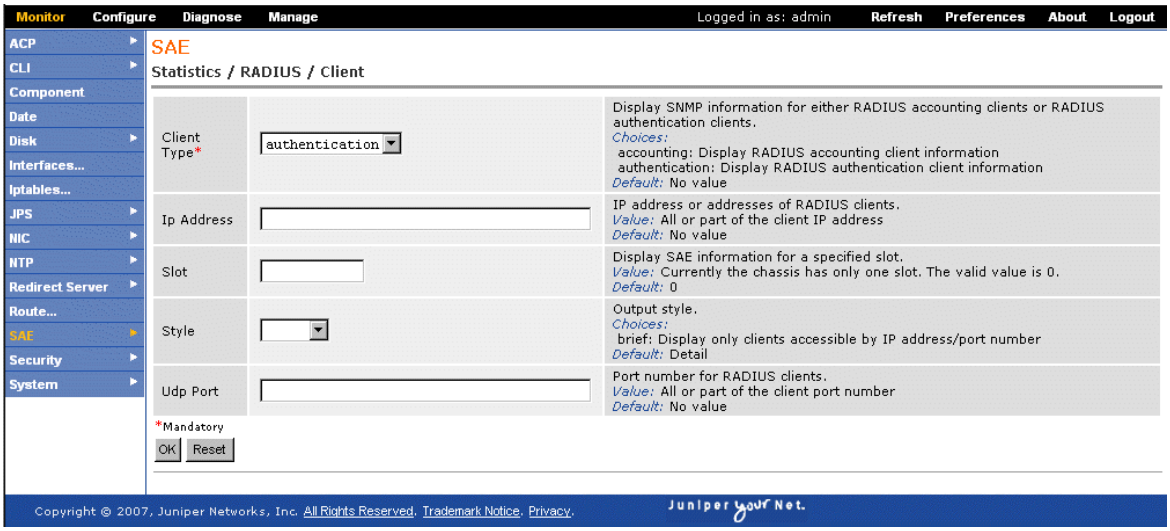
   The Statistics/RADIUS pane displays statistics for RADIUS.

Viewing SNMP Statistics About RADIUS Clients

To view SNMP statistics about RADIUS clients:

1. Click **Monitor > SAE > Statistics > RADIUS > Client**.

   The Statistics/RADIUS/Client pane appears.



2. Select a client type from the Client Type list:

   - accounting—Displays RADIUS accounting information
   - authentication—Displays RADIUS client authentication information

3. In the IP Address box, enter the client IP address to display SNMP information for a specific RADIUS client, or leave the box blank to display SNMP information for all RADIUS clients.

4. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for RADIUS clients.

5. Select an output style from the Style list.

6. In the UDP Port box, enter a port number to display SNMP information for a specific RADIUS client, or leave the box blank to display SNMP information for all RADIUS clients.

7. Click **OK**.

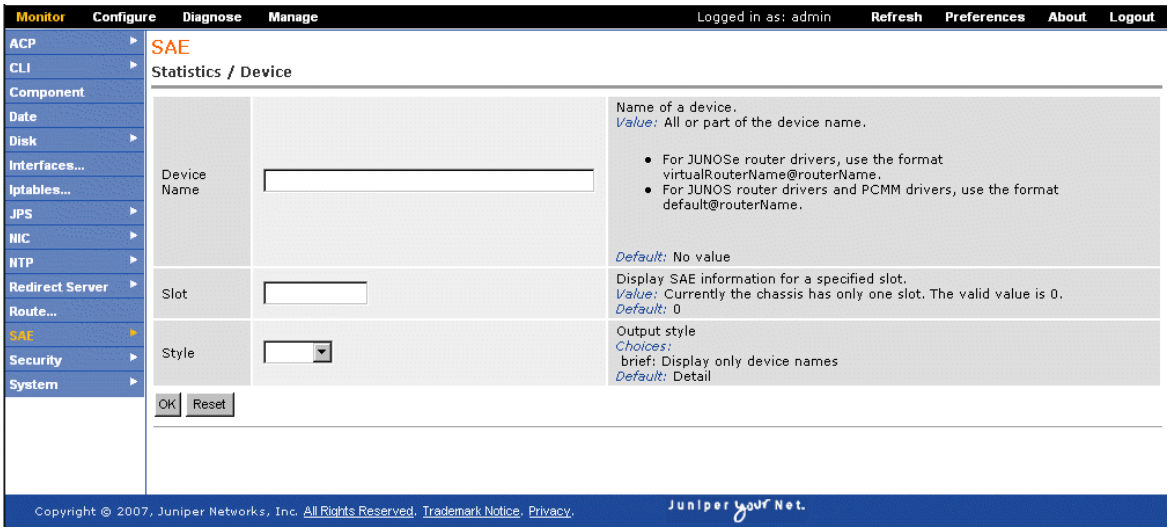
   The Statistics/RADIUS/Client pane displays statistics for RADIUS clients.

Viewing SNMP Statistics for Devices

To view SNMP statistics about devices:

1. Click **Monitor > SAE > Statistics > Device**.

   The Statistics/Device pane appears.



2. In the Device Name box, enter a full or partial device name for which you want to display information, or leave the box blank to display all devices.

3. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for devices.

4. Select an output style from the Style list.

5. Click **OK**.

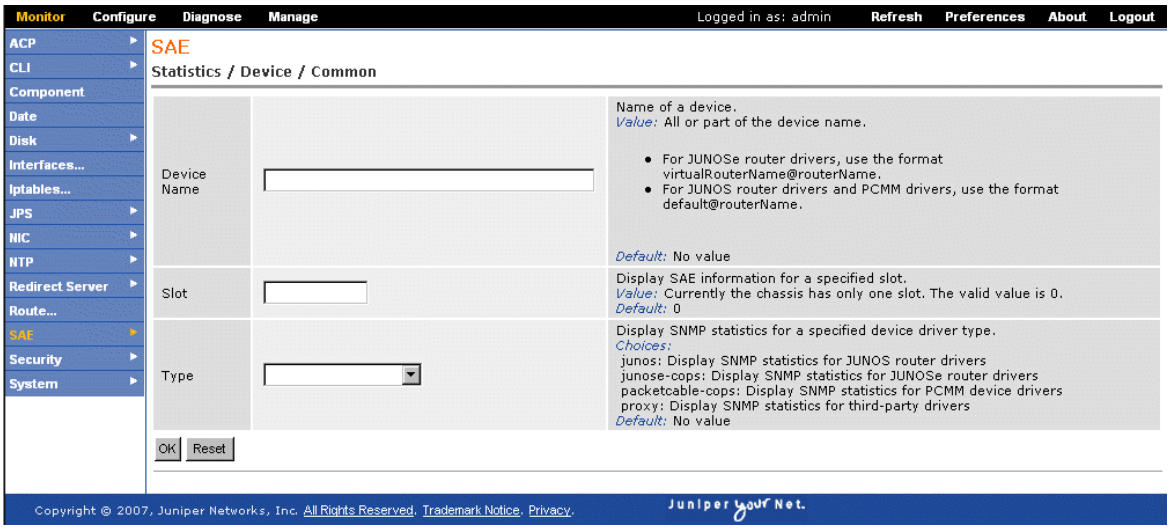
   The Statistics/Device pane displays statistics for all devices.

Viewing SNMP Statistics for Specific Devices

To view SNMP statistics about specific devices:

1. Click **Monitor > SAE > Statistics > Device > Common**.

   The Statistics/Device/Common pane appears.



2. In the Device Name box, enter a full or partial device name for which you want to display information, or leave the box blank to display all devices.

3. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for specific devices.

4. Select a device type from the Type list:

   - junos—Displays SNMP statistics for JUNOS router drivers
   - junose-cops—Displays SNMP statistics for JUNOSe router drivers
   - packetcable-COPS—Displays SNMP statistics for PCMM device drivers
   - proxy—Displays SNMP statistics for third-party drivers

5. Click **OK**.

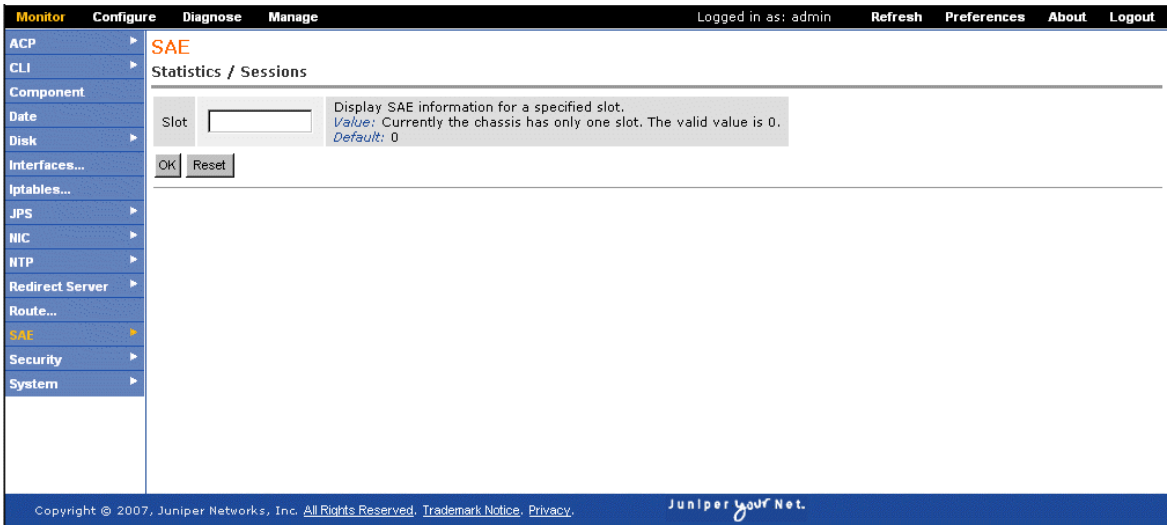
   The Statistics/Device/Common pane displays statistics for the specified device.

Viewing SNMP Statistics for Subscriber Sessions and Service Sessions

To view SNMP statistics about subscriber sessions and service sessions:

1. Click **Monitor > SAE > Statistics > Sessions**.

   The Statistics/Sessions pane displays statistics for subscriber sessions and service sessions.



2. In the Slot box, enter the number of the slot for which you want to display SNMP statistics for specific devices.

3. Click **OK**.

   The Statistics/Sessions pane displays statistics for subscriber sessions and service sessions.