

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.

The screenshot shows the Juniper C-Web Interface. At the top, there is a navigation bar with tabs: Monitor, Configure, Diagnose, and Manage. The user is logged in as 'admin'. There are links for Refresh, Preferences, About, and Logout. On the left, a sidebar menu lists various configuration categories: ACP, CLI, Component, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE (highlighted), Security, and System. The main content area is titled 'SAE Directory Blacklist'. It contains a 'Slot' input field with a text box. To the right of the input field, there is a tooltip that reads: 'Display SAE information for a specified slot. Value: Currently the chassis has only one slot. The valid value is 0. Default: 0'. Below the input field are 'OK' and 'Reset' buttons. At the bottom of the page, there is a footer with copyright information: 'Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice, Privacy.' and the Juniper logo with the tagline 'Juniper your Net.'

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.

Field	Description	Default
Maximum Results	Number of results to be displayed.	25
Service Name	Name of service.	No value
Secret	Display subscriber sessions and service sessions for hidden services.	Disabled
Slot	Display SAE information for a specified slot.	0
Style	Output style	Detail

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.

Field	Description	Value	Legal Range	Default
Policy Group	Name of a policy group.	<input type="text"/>	All or part of the policy group name	No value
Maximum Results	Number of results to be displayed.	<input type="text"/>	1..INF	25
Slot	Display SAE information for a specified slot.	<input type="text"/>	Currently the chassis has only one slot. The valid value is 0.	0
Style	Output style.	<input type="text"/>	Choices: brief: Display only policy group names	detail

Copyright © 2007, Juniper Networks, Inc. [All Rights Reserved](#), [Trademark Notice](#), [Privacy](#). Juniper Your Net.

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.

The screenshot shows the Juniper C-Web Interface. The top navigation bar includes 'Monitor', 'Configure', 'Diagnose', and 'Manage'. The user is logged in as 'admin'. The main content area is titled 'SAE Drivers'. On the left, there is a navigation menu with options like ACP, CLI, Component, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE, Security, and System. The 'SAE Drivers' pane contains the following fields and controls:

- Device Name:** A text input field.
- Maximum Results:** A text input field.
- Slot:** A text input field with the value '0'.
- Style:** A dropdown menu.
- Buttons:** 'OK' and 'Reset' buttons.

The footer of the interface shows 'Copyright © 2007, Juniper Networks, Inc. All Rights Reserved, Trademark Notice, Privacy.' and the Juniper logo with the tagline 'Juniper your Net.'.

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.

Field	Description	Value	Default
Interface Name	Name of router interface.	<input type="text"/>	No value
Maximum Results	Number of results to be displayed.	<input type="text"/>	25
Slot	Display SAE information for a specified slot.	<input type="text"/>	0
Style	Output style.	<input type="text" value="Brief"/>	Detail
Virtual Router	Name of virtual router.	<input type="text"/>	No value

Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy. Juniper Your Net.

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

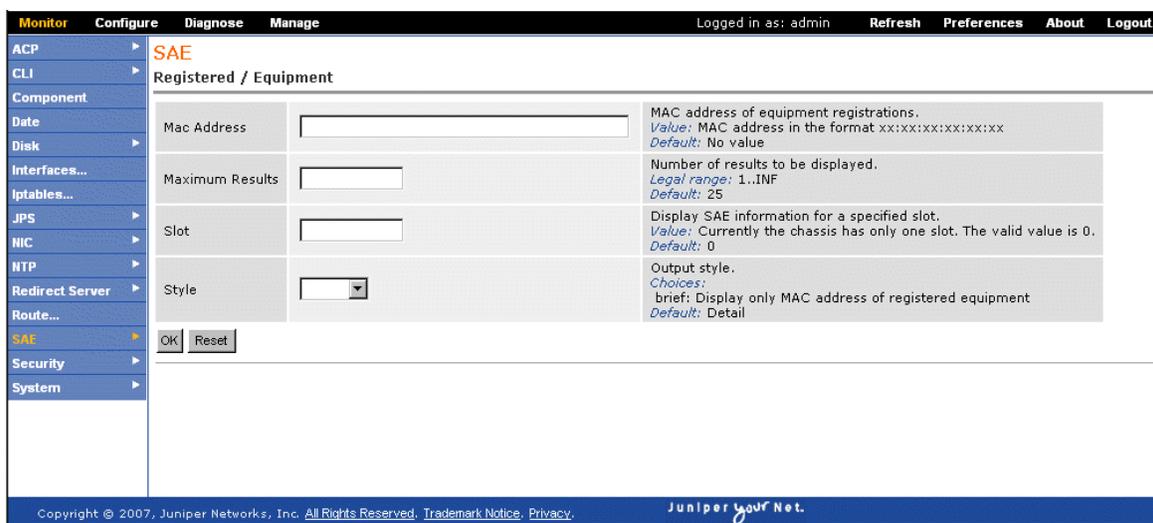
You can view all equipment registrations, or you can view a specific registration.

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.

Field	Description	Value	Default
Mac Address	MAC address of login registrations.	<input type="text"/>	No value
Maximum Results	Number of results to be displayed.	<input type="text"/>	25
Slot	Display SAE information for a specified slot.	<input type="text"/>	0
Style	Output style	<input type="text" value="brief"/>	Detail

Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice, Privacy. Juniper Your Net.

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.

Monitor		Configure	Diagnose	Manage	Logged in as: admin	Refresh	Preferences	About	Logout
ACP	SAE								
CLI	Subscribers / DN								
Component									
Date	Subscriber DN	<input type="text"/>	DN of the subscribers. <i>Value:</i> All or part of the subscriber DN <i>Default:</i> No value						
Disk	Maximum Results	<input type="text"/>	Number of results to be displayed. <i>Legal range:</i> 1..INF <i>Default:</i> 25						
Interfaces...	Secret	<input type="checkbox"/>	Display subscriber sessions and service sessions for hidden services. <i>Default:</i> Disabled						
Iptables...	Slot	<input type="text"/>	Display SAE information for a specified slot. <i>Value:</i> Currently the chassis has only one slot. The valid value is 0. <i>Default:</i> 0						
JPS	Style	<input type="text"/>	Output style <i>Choices:</i> brief: Display only subscriber sessions terse: Display subscriber session ID, login name, and IP address <i>Default:</i> Detail						
NIC	<input type="button" value="OK"/> <input type="button" value="Reset"/>								
NTP									
Redirect Server									
Route...									
SAE									
Security									
System									
Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy. Juniper Your Net.									

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.

Field	Description	Default
IP Address	IP address of subscriber sessions. <i>Value:</i> All or part of the subscriber IP address	No value
Maximum Results	Number of results to be displayed. <i>Legal range:</i> 1..INF	25
Secret	Display subscriber sessions and service sessions for hidden services.	Disabled
Slot	Display SAE information for a specified slot. <i>Value:</i> Currently the chassis has only one slot. The valid value is 0.	0
Style	Output style <i>Choices:</i> brief: Display only subscriber sessions terse: Display subscriber session ID, login name, and IP address	Detail

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.

Monitor		Configure	Diagnose	Manage	Logged in as: admin	Refresh	Preferences	About	Logout
ACP	SAE								
CLI	Subscribers / Login Name								
Component									
Date	Login Name	<input type="text"/>	Login name of subscriber sessions. <i>Value:</i> All or part of the subscriber login name <i>Default:</i> No value						
Disk	Maximum Results	<input type="text"/>	Number of results to be displayed. <i>Legal range:</i> 1..INF <i>Default:</i> 25						
Interfaces...	Secret	<input type="checkbox"/>	Display subscriber sessions and service sessions for hidden services. <i>Default:</i> Disabled						
Iptables...	Slot	<input type="text"/>	Display SAE information for a specified slot. <i>Value:</i> Currently the chassis has only one slot. The valid value is 0. <i>Default:</i> 0						
JPS	Style	<input type="text"/>	Output style <i>Choices:</i> brief: Display only subscriber sessions terse: Display subscriber session ID, login name, and IP address <i>Default:</i> Detail						
NIC	<input type="button" value="OK"/> <input type="button" value="Reset"/>								
NTP									
Redirect Server									
Route...									
SAE									
Security									
System									

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.

Component	Field	Description
Service Name	<input type="text"/>	Service name of subscriber sessions. <i>Value:</i> All or part of the service name <i>Default:</i> No value
Maximum Results	<input type="text"/>	Number of results to be displayed. <i>Legal range:</i> 1..INF <i>Default:</i> 25
Secret	<input type="checkbox"/>	Display subscriber sessions and service sessions for hidden services. <i>Default:</i> Disabled
Slot	<input type="text"/>	Display SAE information for a specified slot. <i>Value:</i> Currently the chassis has only one slot. The valid value is 0. <i>Default:</i> 0
Style	<input type="text"/>	Output style <i>Choices:</i> brief: Display only subscriber sessions terse: Display subscriber session ID, login name, and IP address <i>Default:</i> Detail

OK Reset

Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy. Juniper Your Net.

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 SNMP Information with the C-Web Interface

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

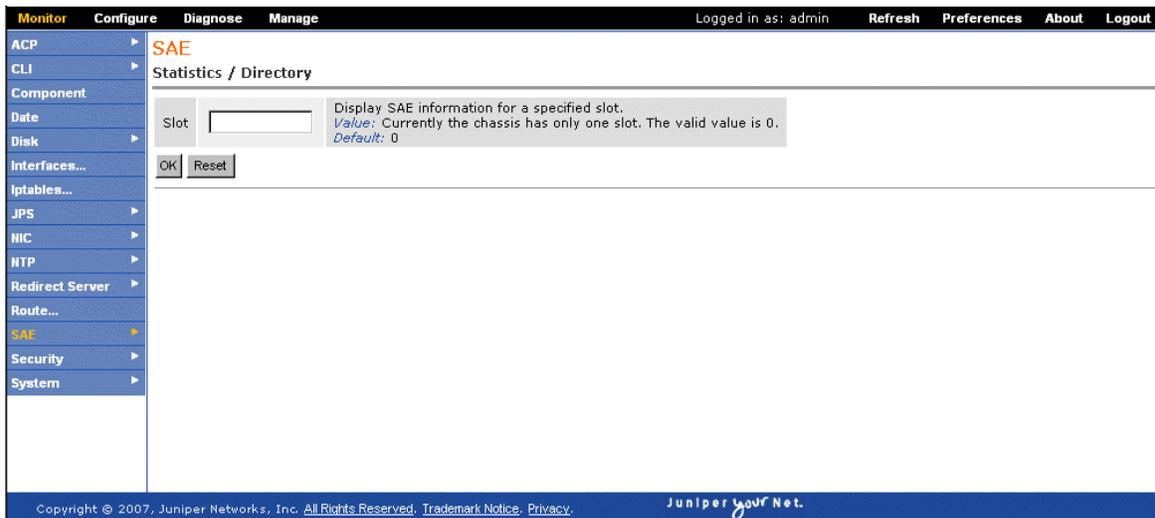
- Directory
- Licenses
- Policies
- Server processes
- RADIUS
- Devices
- Subscriber sessions and service sessions

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.

The screenshot shows the Juniper C-Web Interface with the following elements:

- Navigation Bar:** Monitor (highlighted), Configure, Diagnose, Manage. Logged in as: admin. Refresh, Preferences, About, Logout.
- Left Sidebar:** ACP, CLI, Component, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE (highlighted), Security, System.
- Main Content Area:**
 - SAE Statistics / Directory / Connections**
 - Connection ID:** Text input field. Description: Directory connection ID. Value: All or part of the connection ID. Default: No value.
 - Slot:** Text input field. Description: Display SAE information for a specified slot. Value: Currently the chassis has only one slot. The valid value is 0. Default: 0.
 - Style:** Dropdown menu. Description: Output style. Choices: brief: Display only directory connection IDs. Default: Detail.
 - Buttons:** OK, Reset.
- Footer:** Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy. Juniper Your Net.

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.

The screenshot shows the Juniper C-Web Interface. The top navigation bar includes 'Monitor', 'Configure', 'Diagnose', and 'Manage'. The user is logged in as 'admin'. The main content area is titled 'SAE Statistics / License / Client'. Below the title, there is a 'Slot' input box. To the right of the input box, there is a text area that reads: 'Display SAE information for a specified slot. Value: Currently the chassis has only one slot. The valid value is 0. Default: 0.' Below the input box and text area, there are 'OK' and 'Reset' buttons. The left sidebar contains a menu with items like 'ACP', 'CLI', 'Component', 'Date', 'Disk', 'Interfaces...', 'Iptables...', 'JPS', 'NIC', 'NTP', 'Redirect Server', 'Route...', 'SAE', 'Security', and 'System'. The bottom of the page has a footer with 'Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy.' and the Juniper logo.

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.

The screenshot shows the Juniper C-Web Interface with the following elements:

- Navigation Bar:** Monitor, Configure, Diagnose, Manage. Logged in as: admin. Refresh, Preferences, About, Logout.
- Left Sidebar:** ACP, CLI, Component, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE, Security, System.
- Main Content Area:**
 - Header:** SAE Statistics / License / Device
 - Device Name:** A text input field. Description: "Name of a device. Value: All or part of the device name."
 - For JUNOSe router drivers, use the format virtualRouterName@routerName.
 - For JUNOS router drivers and PCMM drivers, use the format default@routerName.
Default: No value
 - Slot:** A text input field. Description: "Display SAE information for a specified slot. Value: Currently the chassis has only one slot. The valid value is 0." Default: 0
 - Style:** A dropdown menu. Description: "Output style. Choices: brief: Display only device names. Default: Detail"
 - Buttons:** OK, Reset
- Footer:** Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy. Juniper Your Net.

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**.

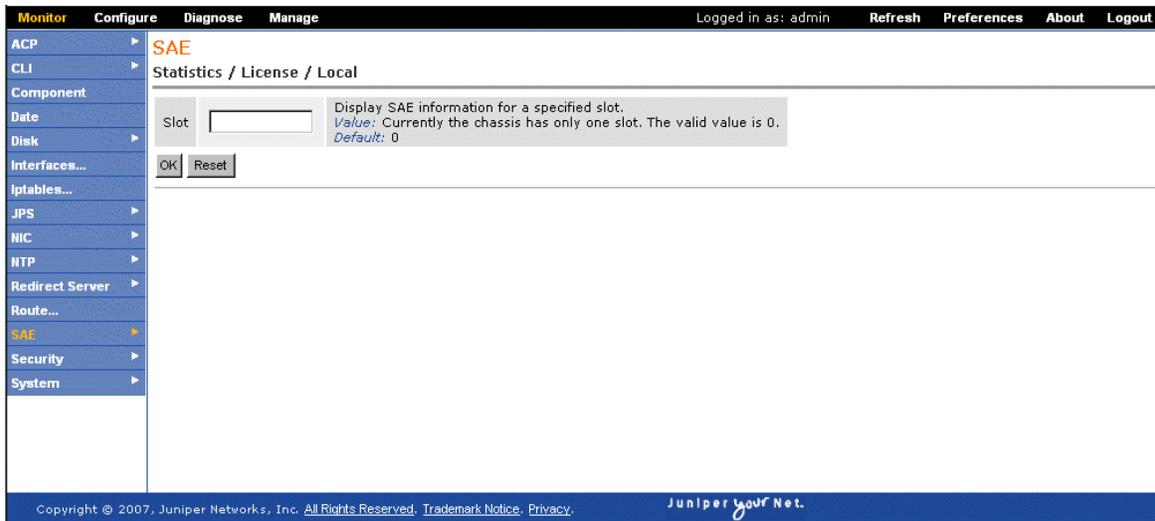
The Statistics/License/Device pane displays statistics for virtual router licenses.

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**.

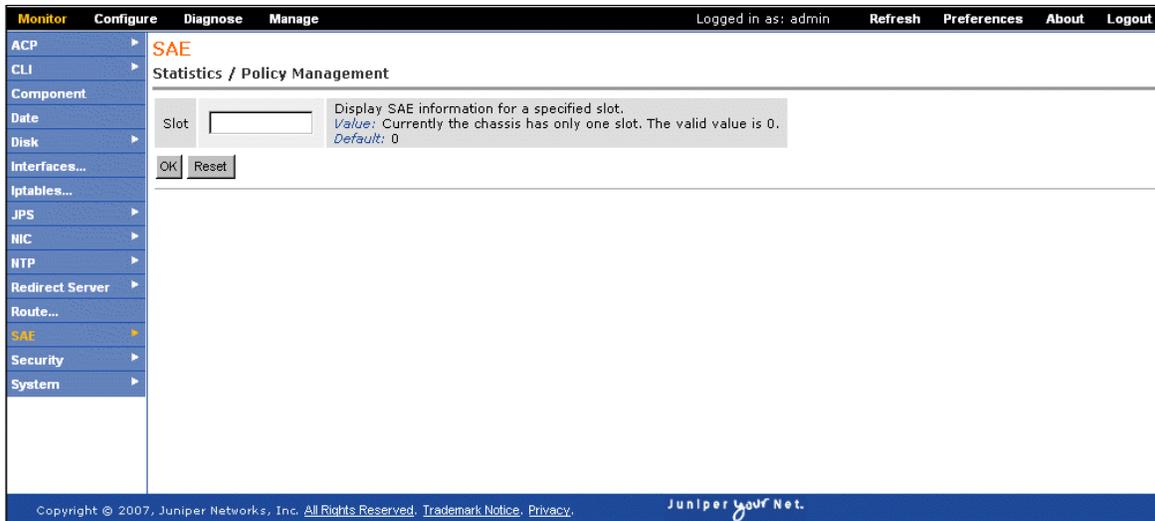
The Statistics/License/Local pane displays statistics for local licenses.

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.

The screenshot shows the Juniper C-Web Interface. At the top, there are tabs for 'Monitor', 'Configure', 'Diagnose', and 'Manage'. The user is logged in as 'admin'. The left sidebar contains a navigation menu with items like 'ACP', 'CLI', 'Component', 'Date', 'Disk', 'Interfaces...', 'Iptables...', 'JPS', 'NIC', 'NTP', 'Redirect Server', 'Route...', 'SAE', 'Security', and 'System'. The 'SAE' item is highlighted. The main content area is titled 'Statistics / RADIUS'. It features a 'Slot' input field with a text box. To the right of the input field, there is a text box containing the following information: 'Display SAE information for a specified slot.', 'Value: Currently the chassis has only one slot. The valid value is 0.', and 'Default: 0'. Below the input field, there are 'OK' and 'Reset' buttons.

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.

Field	Description	Value	Default
Client Type*	Display SNMP information for either RADIUS accounting clients or RADIUS authentication clients.	authentication	No value
IP Address	IP address or addresses of RADIUS clients.		No value
Slot	Display SAE information for a specified slot.		0
Style	Output style.		Detail
Udp Port	Port number for RADIUS clients.		No value

*Mandatory

OK Reset

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.

The screenshot shows the Juniper C-Web Interface with the SAE Statistics / Device configuration pane. The interface includes a top navigation bar with 'Monitor', 'Configure', 'Diagnose', and 'Manage' tabs. The left sidebar lists various configuration categories like ACP, CLI, Component, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE, Security, and System. The main content area is titled 'SAE Statistics / Device' and contains the following fields and options:

- Device Name:** A text input field. Help text: 'Name of a device. Value: All or part of the device name.'
 - For JUNOSe router drivers, use the format `virtualRouterName@routerName`.
 - For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.
 Default: No value
- Slot:** A text input field. Help text: 'Display SAE information for a specified slot. Value: Currently the chassis has only one slot. The valid value is 0.' Default: 0
- Style:** A dropdown menu. Help text: 'Output style Choices: brief: Display only device names Default: Detail'

At the bottom of the configuration pane are 'OK' and 'Reset' buttons. The footer of the interface shows 'Copyright © 2007, Juniper Networks, Inc. All Rights Reserved. Trademark Notice. Privacy.' and the Juniper logo with the tagline 'Juniper your Net.'

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.

