

Chapter 11

Monitoring with the SRC CLI and the C-Web Interface

This chapter describes how to use the SRC CLI and the C-Web interface to monitor your SRC environment. Topics include:

- Monitoring with the SRC CLI and the C-Web Interface on page 83
- SRC Monitoring Options on page 83
- Starting the C-Web Interface on page 87
- Layout of the C-Web Interface on page 87
- Elements of the C-Web Interface on page 88
- Navigating the C-Web Interface on page 90
- Getting Help in the C-Web Interface on page 90

Monitoring with the SRC CLI and the C-Web Interface

You can use the show commands available with the SRC CLI to monitor the operation and configuration of your SRC environment. For more information about setting up the initial configuration for the SRC CLI, see the *SRC-PE Getting Started Guide*.

The C-Web graphical user interface (GUI) allows you to monitor the operation and configuration of your SRC environment by using a Web browser with Hypertext Transfer Protocol (HTTP) or HTTP over Secure Sockets Layer (HTTPS) enabled.

SRC Monitoring Options

The *SRC-PE Monitoring and Troubleshooting Guide* contains monitoring information for core SRC components. Monitoring information for licensed applications such as SRC Admission Control Plug-In (SRC-ACP) is located in the *SRC-PE Application Library*. Monitoring information for solutions such as Juniper Policy Server (JPS) is located in the *SRC-PE Solutions Guide*.

Table 20 lists and compares the monitoring options for the C-Web interface and the SRC CLI.

Table 20: Comparison of SRC Monitoring Options

C-Web Interface Monitor Option	Information Displayed	Corresponding SRC CLI Commands
ACP	Admission Control Plug-In (ACP) data and statistics	<ul style="list-style-type: none"> ■ show acp backbone congestion-point congestion-point-expression ■ show acp backbone congestion-point dn ■ show acp backbone service ■ show acp edge congestion-point dn ■ show acp edge congestion-point subscriber-session-id ■ show acp edge subscriber ■ show acp remote-update congestion-point dn ■ show acp remote-update congestion-point name ■ show acp remote-update subscriber ■ show acp statistics directory ■ show acp statistics general ■ show acp statistics router
CLI	SRC CLI level and authorization data	<ul style="list-style-type: none"> ■ show cli ■ show cli authorization
Component	Installed components	<ul style="list-style-type: none"> ■ show component
Date	System date and time	<ul style="list-style-type: none"> ■ show date
Disk	System disk status	<ul style="list-style-type: none"> ■ show disk status
Interfaces	System interfaces	<ul style="list-style-type: none"> ■ show interfaces
Iptables	Filtered traffic statistics from the iptables LINUX tool	<ul style="list-style-type: none"> ■ show iptables
JPS	Juniper Policy Server (JPS) data and statistics	<ul style="list-style-type: none"> ■ show jps statistics ■ show jps statistics am ■ show jps statistics am connections ■ show jps statistics cmts-locator ■ show jps statistics cmts ■ show jps statistics_cmts connections ■ show jps statistics message-handler ■ show jps statistics message-handler message-flow ■ show jps statistics process ■ show jps statistics rks

Table 20: Comparison of SRC Monitoring Options (continued)

C-Web Interface Monitor Option	Information Displayed	Corresponding SRC CLI Commands
NIC	Network information collector (NIC) component configuration data and statistics, including NIC agents, resolvers, process	<ul style="list-style-type: none"> ■ show nic data ■ show nic data agent ■ show nic data resolver ■ show nic statistics ■ show nic statistics agent ■ show nic statistics host ■ show nic statistics process ■ show nic statistics resolver ■ show nic slot number data ■ show nic slot number statistics
NTP	Network Time Protocol (NTP) configuration data and statistics	<ul style="list-style-type: none"> ■ show ntp associations ■ show ntp statistics ■ show ntp status
Redirect server	Redirect server statistics	<ul style="list-style-type: none"> ■ show redirect server statistics
Route	Route data from the local system to a remote host	<ul style="list-style-type: none"> ■ show route

Table 20: Comparison of SRC Monitoring Options (continued)

C-Web Interface Monitor Option	Information Displayed	Corresponding SRC CLI Commands
SAE	SAE configuration data and statistics	<ul style="list-style-type: none"> ■ show sae interfaces ■ show sae licenses ■ show sae policies ■ show sae registered equipment ■ show sae registered login ■ show sae routers ■ show sae services ■ show sae statistics directory ■ show sae statistics directory connections ■ show sae statistics license client ■ show sae statistics license local ■ show sae statistics license virtual-router ■ show sae statistics policy-management ■ show sae statistics process ■ show sae statistics radius ■ show sae statistics radius client ■ show sae statistics router ■ show sae statistics router common ■ show sae statistics sessions ■ show sae subscribers ■ show sae subscribers dn ■ show sae subscribers ip ■ show sae subscribers login-name ■ show sae subscribers service-name ■ show sae subscribers session-id ■ show sae threads
Security	Security certificate configuration and statistics	<ul style="list-style-type: none"> ■ show security certificate
System	SRC software and C-series platform configuration data	<ul style="list-style-type: none"> ■ show configuration ■ show system boot-messages ■ show system information

Starting the C-Web Interface

For information about setting up the initial configuration for the C-Web interface, see the *SRC Getting Started Guide*.

To start the C-Web interface:

1. Start the Web browser.
2. Enter the name or IP address of the SAE and the port number for the C-Web interface using one of the following formats:

http://<SRC-host>[:<port>]
https://<SRC-host>[:<port>]

The C-Web login page appears.

3. On the login page, type your username and password, and click **Log In**.

To correct or change the username or password you typed, click **Reset**, type the new entry or entries, and click **Log In**.

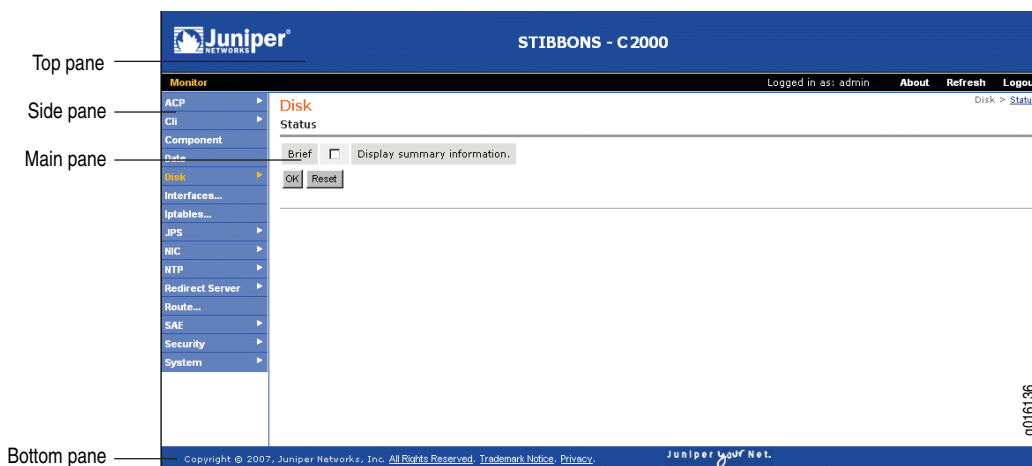
The Monitor page appears.

To explicitly terminate a C-Web session at any time, click **Logout** in the top pane.

Layout of the C-Web Interface

Each page of the C-Web interface is divided into the following panes, as shown in Figure 4.

Figure 4: C-Web Layout



- Top pane—Displays identifying information and links.
- Main pane—Location where you monitor the SRC software or the C-series platform by entering information in text boxes, making selections, and clicking buttons.
- Side pane—Displays subtasks of the Monitor task currently displayed in the main pane. Click an item to access it in the main pane.
- Bottom pane—Displays copyright and trademark information.

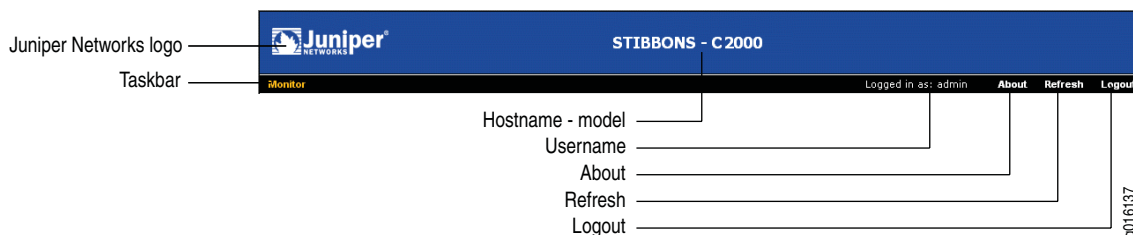
Elements of the C-Web Interface

This section summarizes the elements of the top pane, side pane, and main pane of the C-Web interface.

Top Pane Elements

The top pane comprises the elements shown in Figure 5 on page 88.

Figure 5: Top Pane Elements

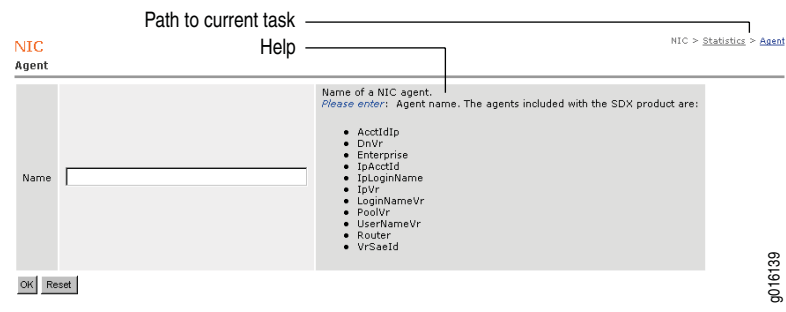


- Juniper Networks logo—Link to <http://www.juniper.net> in a new browser window.
- *hostname - model*—Hostname and model of the C-series platform.
- Logged in as: *username*—Username you used to log in to the C-series platform or the SRC software.
- About—Link to information about the C-Web interface, such as the version number.
- Logout—Ends your current login session with the C-Web interface and returns you to the login page.
- Taskbar—Menu of C-Web tasks. Click the Monitor task to view information about configuration on the C-series platform or the SRC software.

Main Pane Elements

The main pane comprises the elements shown in Figure 6.

Figure 6: Main Pane Elements



- **Help**—Displays field-specific information, such as the definition, format, and valid range of the field.
- **Path to current task**—Shows the successive C-Web tasks and subtasks that you selected to display the current main and side panes.

Side Pane Elements

The side pane comprises the elements shown in Figure 7.

Figure 7: Side Pane Elements



Each subtask displays options related to the selected task in the C-Web taskbar. Click the arrow signs (>) to expand individual items.

Navigating the C-Web Interface

The layout of the panes allows you to quickly navigate through the interface. You navigate the C-Web interface, move forward and backward, scroll pages, and expand and collapse elements as you do in a typical Web browser interface.

From the taskbar, select the C-Web task that you want to perform. Selecting the task displays related subtasks in the side pane. The side pane and taskbar are available from all pages, allowing you to skip from one task or subtask to the other from any page in the interface.

The path displayed in the top right corner of each page provides a context. Use this path to see your location in the monitoring tasks.

You can easily navigate to most subtasks by selecting them from the side pane. On pages where you are required to take an action, buttons and links allow you to move to the next or previous page as you perform certain actions.

Getting Help in the C-Web Interface

The C-Web interface provides Help for the monitoring options. Each field description contains information about the definition, format, and valid range of the field.