

Chapter 14

Monitoring the System with the C-Web Interface

This chapter describes how to use the C-Web interface to monitor the SRC software and the C-series controller. Topics include:

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Viewing Information About the System with the C-Web Interface

You can view information about the SRC software, including system identification and the system time. You can also view information about the environment of the C-series controller, including memory, temperature, and fan speeds.

To view system information:

- Click **Monitor > System > Information**.

The Information pane displays the system information.

The screenshot shows the C-Web interface with the following content:

System Information

System Identification

Hostname	gaspode
Manufacturer	Juniper Networks
Product Name	SDX-2000
Version	1.0
Serial Number	0207082006000003
UUID	48384441-5254-0030-4859-003048595D02
Hostid	e30a2f07
Software version	SDX-300 Release . [A.MAIN-110] (January 22, 2007 02:20)

System Time

Current time	2007-08-24 14:07:16 EDT
Uptime	76 days, 18:35
Number of active users	3
Load Averages (1m/5m/15m)	0.27/0.06/0.02

Memory

Total	15G
Free	13G

CPU Info

Number of CPU	4
CPU Model	Dual Core AMD Opteron(tm) Processor 265

Viewing the System Date and Time with the C-Web Interface

To view the system date and time:

- Click **Monitor > Date**.

The Date pane displays the date and time of the system.

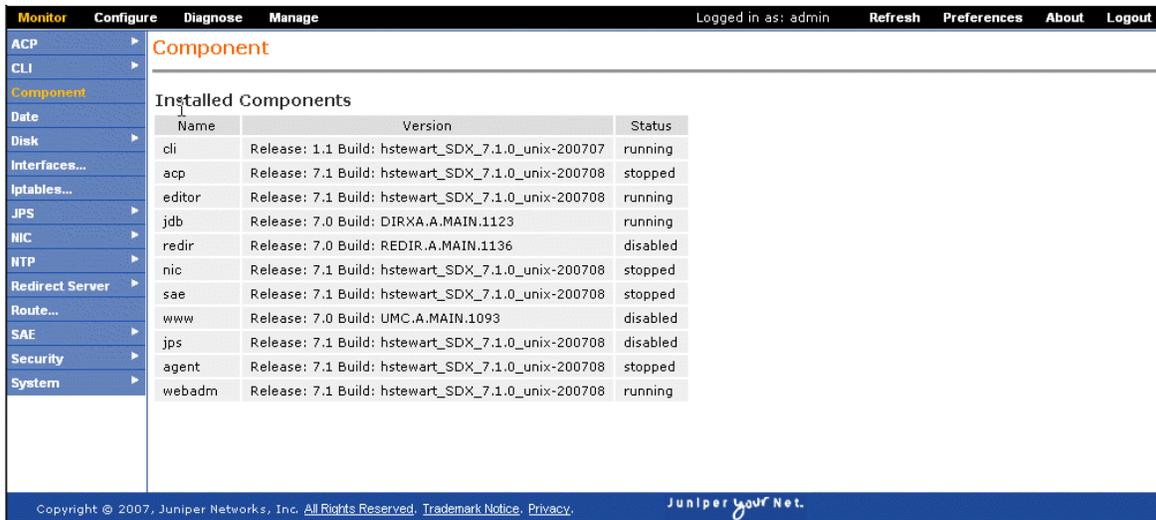


Viewing Information About Components Installed with the C-Web Interface

To view the installed SRC components:

- Click **Monitor > Component**.

The Component pane displays the status of each installed component.



The screenshot shows the Juniper C-Web interface with the 'Component' page selected. The page title is 'Component' and it displays a table of installed components. The table has three columns: Name, Version, and Status. The components listed are:

Name	Version	Status
cli	Release: 1.1 Build: hstewart_SDX_7.1.0_unix-200707	running
acp	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	stopped
editor	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	running
jdb	Release: 7.0 Build: DIRXA.A.MAIN.1123	running
redir	Release: 7.0 Build: REDIR.A.MAIN.1136	disabled
nic	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	stopped
sae	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	stopped
www	Release: 7.0 Build: UMC.A.MAIN.1093	disabled
jps	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	disabled
agent	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	stopped
webadm	Release: 7.1 Build: hstewart_SDX_7.1.0_unix-200708	running

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Viewing Information About Boot Messages with the C-Web Interface

To view messages generated during SRC software startup:

- Click **Monitor > System > Boot Messages**.

The Boot Messages pane displays the boot messages.

The screenshot shows the C-Web interface with the following elements:

- Monitor** (top left)
- System** (selected component)
- Boot Messages** (selected pane)
- Logged in as: admin** (top right)
- About Refresh Logout** (top right)
- Component** (left sidebar menu)
- Date** (top of boot messages): Fri Mar 9 10:17:24 EST 2007
- Message Log** (main content area):


```

Feb 20 19:27:18 buffy genunix: [ID 936769 kern.info] dad0 is /pci@1f,0/ide@d/dad@2,0
Feb 20 19:27:18 buffy dada: [ID 365881 kern.info] <ST380011A cyl 38307 alt 2 hd 16 sec 255>
Feb 20 19:27:19 buffy swapgeneric: [ID 308332 kern.info] root on /pci@1f,0/ide@d/disk@2,0:a fstype ufs
Feb 20 19:27:19 buffy pcipsy: [ID 370704 kern.info] PCI-device: isa@7, ebus0
Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] ebus0 is /pci@1f,0/isa@7
Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] su0 at ebus0: offset 0,3f8
Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] su0 is /pci@1f,0/isa@7/serial@0,3f8
Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] sul at ebus0: offset 0,2e8
Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] sul is /pci@1f,0/isa@7/serial@0,2e8
Feb 20 19:27:19 buffy unix: [ID 987524 kern.info] cpu0: SUNW,UltraSPARC-IIIe (upaid 0 impl 0x13 ver 0x33 clock 548 MHz)
Feb 20 19:27:20 buffy pcipsy: [ID 370704 kern.info] PCI-device: usb@a, ohci0
Feb 20 19:27:20 buffy genunix: [ID 936769 kern.info] ohci0 is /pci@1f,0/usb@a
Feb 20 19:27:22 buffy gid: [ID 944156 kern.info] dmfe0: Davicom DH9102 (v1.1): type "ether" mac address 00:03:ba:ce:d7:79
Feb 20 19:27:22 buffy pcipsy: [ID 370704 kern.info] PCI-device: ethernet@c, dmfe0
Feb 20 19:27:22 buffy genunix: [ID 936769 kern.info] dmfe0 is /pci@1f,0/ethernet@c
Feb 20 19:27:22 buffy gid: [ID 944156 kern.info] dmfel: Davicom DH9102 (v1.1): type "ether" mac address 00:03:ba:ce:d7:7a
Feb 20 19:27:22 buffy pcipsy: [ID 370704 kern.info] PCI-device: ethernet@s, dmfel
Feb 20 19:27:22 buffy genunix: [ID 936769 kern.info] dmfel is /pci@1f,0/ethernet@s
Feb 20 19:27:23 buffy genunix: [ID 454863 kern.info] dump on /dev/dsk/c0t2d0s1 size 2000 MB
Feb 20 19:27:24 buffy dmfe: [ID 426308 kern.info] dmfe0: PHY 1 link up 100 Mbps Full-Duplex
Feb 20 19:27:24 buffy dmfe: [ID 247303 kern.notice] NOTICE: dmfel: PHY 1 link down
Feb 20 19:27:25 buffy pseudo: [ID 129642 kern.info] pseudo-device: devinfo0
Feb 20 19:27:25 buffy genunix: [ID 936769 kern.info] devinfo0 is /pseudo/devinfo@0
Feb 20 19:27:26 buffy scsi: [ID 193665 kern.info] sd0 at uata0: target 3 lun 0
Feb 20 19:27:26 buffy genunix: [ID 936769 kern.info] sd0 is /pci@1f,0/ide@d/sd@3,0
Feb 20 19:27:26 buffy ebus: [ID 521012 kern.info] isadma0 at ebus0: offset 0,0
Feb 20 19:27:26 buffy pseudo: [ID 129642 kern.info] pseudo-device: fssnap0
Feb 20 19:27:26 buffy genunix: [ID 936769 kern.info] fssnap0 is /pseudo/fssnap@0
Feb 20 19:27:26 buffy pseudo: [ID 129642 kern.info] pseudo-device: winlock0
Feb 20 19:27:26 buffy genunix: [ID 936769 kern.info] winlock0 is /pseudo/winlock@0
Feb 20 19:27:27 buffy pseudo: [ID 129642 kern.info] pseudo-device: lockstat0
      
```

Viewing Information About Security Certificates with the C-Web Interface

To view messages generated during SRC software startup:

1. Click **Monitor > Security > Certificate**.

The Certificate pane appears.



2. To display authority certificates, select the **Trusted** check box.
3. Click **OK**.

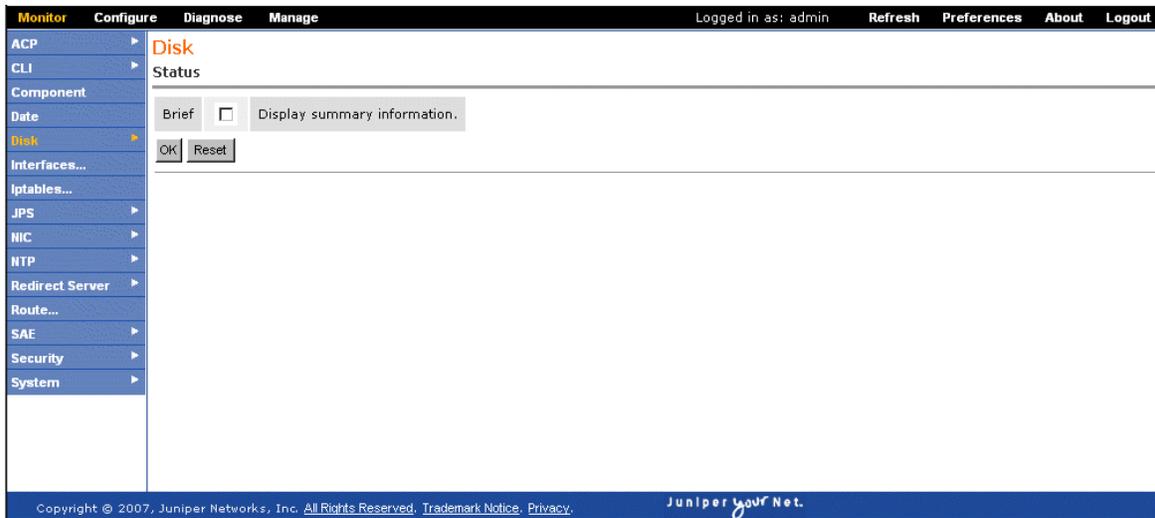
The Certificate pane displays the security certificates.

Viewing Information About System Disk Status

To view information about the system disk status:

1. Click **Monitor > Disk > Status**.

The Status pane appears.



2. To display a summary of the system disk status, select the **Brief** check box.
3. Click **OK**.

The Status pane displays the system disk status.

Viewing Information About the Users on the System

To view information about the users on the system:

1. Click **Monitor > System > Users**.

The Users pane appears.

The screenshot shows the Juniper Networks configuration interface. The top navigation bar includes 'Monitor', 'Configure', 'Diagnose', and 'Manage'. The user is logged in as 'sleswayball'. The left sidebar shows a navigation menu with 'System' selected. The main content area displays the 'Users' configuration page. The 'Brief' checkbox is checked, and 'Use the short format' is selected. Below this, there are two more options: 'No From' (unchecked) and 'Do not show the FROM field' (unchecked). At the bottom of the configuration area are 'OK' and 'Reset' buttons. The main display area shows a table of users:

root	pts/6	4	telnet	menemsha
root	pts/8	3:40	bash	
root	pts/10	12	python	-O /opt/UNC/cli/lib/fe/cl
root	pts/3	3:38	telnet	menemsha

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2. To display a summary of the users, select the **Brief** check box.
3. Click **OK**.

The Users pane displays the information about the users on the system.

Viewing Information About the Juniper Networks Database in Community Mode

To view information about the Juniper Networks database when it runs in community mode:

- Click **Monitor > System > LDAP > Community**.

The LDAP/Community pane appears and displays information about the Juniper Networks database.



Monitor Configure Diagnose Manage Logged in as: sleswayball Update Preferences About Logout

ACP System
CLI Ldap / Community

Component
Date JDB is not configured in community mode!
There is nothing to be displayed.
Disk
Interfaces...
JPS
NIC
NTP
Redirect Server
Route...
SAE
Security
System

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Viewing Statistics for the Juniper Networks Database

To view statistics for the Juniper Networks database:

- Click **Monitor > System > LDAP > Statistics**.

The Statistics pane appears and displays local Juniper Networks database statistics.



Monitor Configure Diagnose Manage Logged in as: sleswayball Update Preferences About Logout

ACP System
CLI Ldap / Statistics

Component
Date Local JDB statistics
Disk
Interfaces...
JPS
NIC
NTP
Redirect Server
Route...
SAE
Security
System

Number of Add operations since startup	993
Number of Delete operations since startup	0
Number of Modify operations since startup	282
Number of Rename operations since startup	0
Number of Read operations since startup	480933
Number of List operations since startup	93821
Number of Subtree Search operations since startup	367916
Number of Bind operations	18266
Number of Anonymous Bind operations since startup	18232
Number of Compare operations since startup	0
Number of current connections	19
Number of all connections since startup	18266
Number of bind errors since startup	0
Number of all errors since startup	226721

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Viewing Information About the SRC CLI with the C-Web Interface

You can view information about the current user's permissions and editing level for the SRC CLI.

Viewing Information About the SRC CLI

To view information about the current user's command completion setting and editing level for the SRC CLI:

- Click **Monitor > CLI**.

The CLI pane appears and displays the information about the CLI.



Viewing Information About SRC CLI User Permissions

To display information about the current user's permissions for the SRC CLI:

- Click **Monitor > CLI > Authorization**.

The Authorization pane appears and displays the current user's permissions for each SRC CLI option.

