

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 structure:

- Top Bar:** Monitor (highlighted), Configure, Diagnose, Manage. On the right: 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 (highlighted).
- Main Content Area:**
 - System Information** (Section Header)
 - 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.

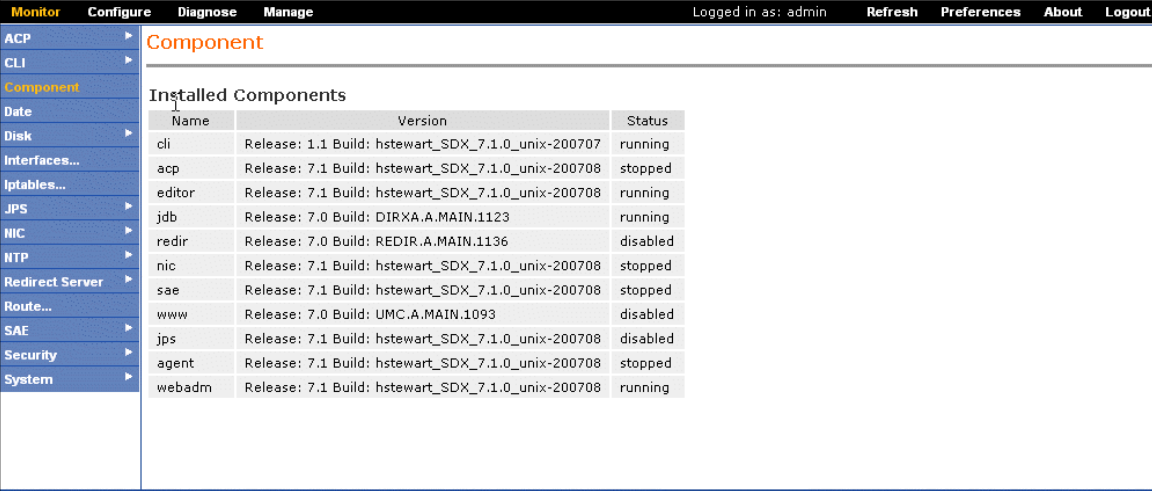


Viewing Information About Components Installed with the C-Web Interface

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. The top navigation bar includes 'Monitor', 'Configure', 'Diagnose', and 'Manage'. The 'Monitor' tab is selected, and the 'Component' sub-tab is active. The left sidebar lists various system components like ACP, CLI, Date, Disk, Interfaces..., Iptables..., JPS, NIC, NTP, Redirect Server, Route..., SAE, Security, and System. The main content area, titled 'Component', shows a table of installed components. The table has three columns: Name, Version, and Status. The components listed are cli, acp, editor, jdb, redir, nic, sae, www, jps, agent, and webadm, each with its release and build information and current status (running, stopped, or disabled).

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.

Monitor		Logged in as: admin	About	Refresh	Logout
ACP	▶	System			
CLI	▶	Boot Messages			
Component					
Date		Fri Mar 9 10:17:24 EST 2007			
Disk	▶	Feb 20 19:27:18 buffy genunix: [ID 936769 kern.info] dad0 is /pci@1f,0/ide@d/dad@2,0			
Interfaces...		Feb 20 19:27:18 buffy dada: [ID 365881 kern.info] <ST380011A cyl 38307 alt 2 hd 16 sec 255>			
JPS	▶	Feb 20 19:27:19 buffy swapgeneric: [ID 308332 kern.info] root on /pci@1f,0/ide@d/disk@2,0:a fstype ufs			
NIC	▶	Feb 20 19:27:19 buffy pcipsy: [ID 370704 kern.info] PCI-device: isa@7, ebus0			
NTP	▶	Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] ebus0 is /pci@1f,0/isa@7			
Redirect Server	▶	Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] su0 at ebus0: offset 0,3f8			
Route...		Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] su0 is /pci@1f,0/isa@7/serial@0,3f8			
SAE	▶	Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] sul at ebus0: offset 0,2e8			
Security	▶	Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] sul is /pci@1f,0/isa@7/serial@0,2e8			
System	▶	Feb 20 19:27:19 buffy unix: [ID 987524 kern.info] cpu0: SUNW,UltraSPARC-IIe (upaid 0 impl 0x13 ver 0x33 clock 540 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 gld: [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 gld: [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**.

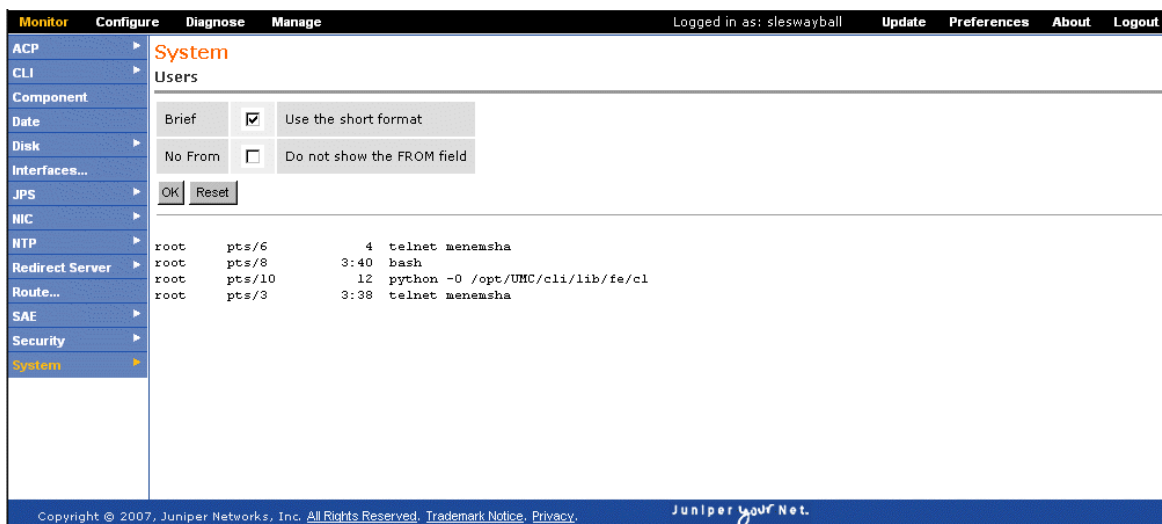
The Status pane displays the system disk status.

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.



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.



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	CLI	System						
Component		Ldap / Statistics						
Date		Local JDB statistics						
Disk		Number of Add operations since startup	993					
Interfaces...		Number of Delete operations since startup	0					
JPS		Number of Modify operations since startup	282					
NIC		Number of Rename operations since startup	0					
NTP		Number of Read operations since startup	480933					
Redirect Server		Number of List operations since startup	93821					
Route...		Number of Subtree Search operations since startup	367916					
SAE		Number of Bind operations	18266					
Security		Number of Anonymous Bind operations since startup	18232					
System		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

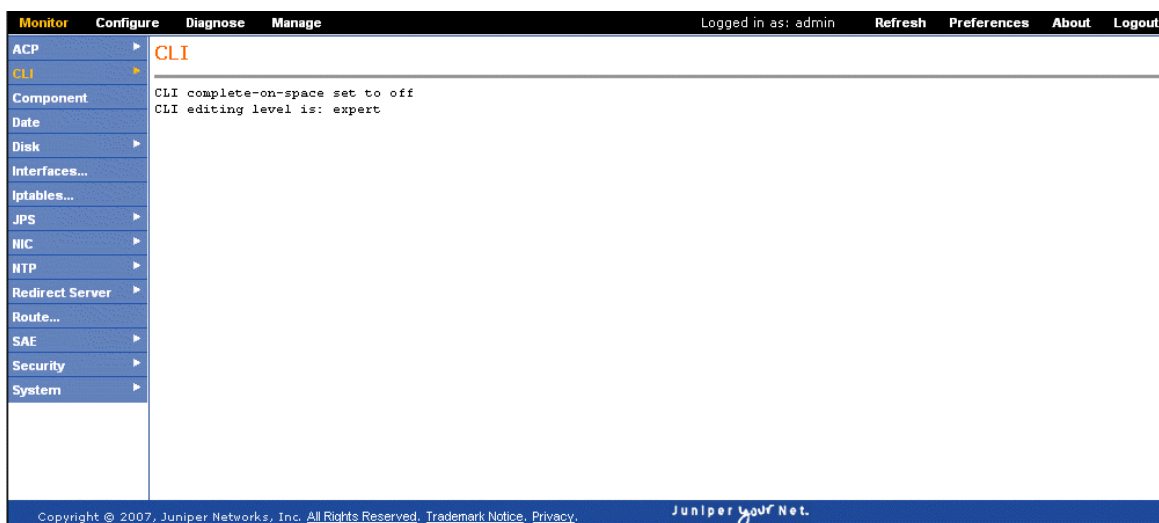
You can view information about the current user's permissions and editing level for the SRC CLI.

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.

Monitor

Configure

Diagnose

Manage

Logged in as: admin

Refresh

Preferences

About

Logout

ACP

CLI

Component

Date

Disk

Interfaces...

Iptables...

JPS

NIC

NTP

Redirect Server

Route...

SAE

Security

System

CLI

Authorization

Current user: 'admin' class 'super-user'

Permissions:

admin

-- Can view user accounts

admin-control

-- Can modify user accounts

clear

-- Can clear learned network information

configure

-- Can enter configuration mode

field

-- Special for field (debug) support

firewall

-- Can view firewall configuration

firewall-control

-- Can modify firewall configuration

interface

-- Can view interface configuration

interface-control

-- Can modify interface configuration

maintenance

-- Can perform system maintenance (as wheel)

network

-- Can access the network

reset

-- Can reset and restart interfaces and processes

routing

-- Can view routing configuration

routing-control

-- Can modify routing configuration

secret

-- Can view secret configuration

secret-control

-- Can modify secret configuration

security

-- Can view security configuration

security-control

-- Can modify security configuration

shell

-- Can start a local shell

snmp

-- Can view SNMP configuration

snmp-control

-- Can modify SNMP configuration

system

-- Can view system configuration

system-control

-- Can modify system configuration

view

-- Can view current values and statistics

service

-- Can view service definitions

service-control

-- Can modify service definitions

subscriber

-- Can view subscriber profiles

subscriber-control

-- Can modify subscriber profiles

Individual command authorization:

Allow regular expression: none

Deny regular expression: none

