

## Chapter 12

# 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 platform. Topics include:

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### Viewing Information About the System with the C-Web Interface

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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 platform, including memory, temperature, and fan speeds.

To view system information:

- Select **System** from the side pane, and click **Information**.

The Information pane displays the system information.

The screenshot shows the Juniper C-Web Interface. The top navigation bar includes 'Monitor', 'Logged in as: admin', 'About', 'Refresh', and 'Logout'. The left sidebar lists various system components, with 'System' currently selected. The main content area displays the 'System Information' page, which includes the following sections:

- System Identification**

Hostname	buffy
Hostid	83ced779
Software version	unknown
- System Time**

Current time	2007-03-09 09:50:02 EST
Uptime	6 day(s), 17:32
Number of active users	1
Load Averages (1m/5m/15m)	0.14/0.12/0.13
- Memory**

Total	1729M
Free	531M
- CPU Info**

Number of CPU	1
CPU Model	sparcv9
Clock Speed	548 MHz
- Disk Information**

Mountpoint	Total	Used	Use%
/	19G	8G	43%
/space	52G	262M	0%

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

To view the system date and time:

- Select **Date** from the side pane.

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

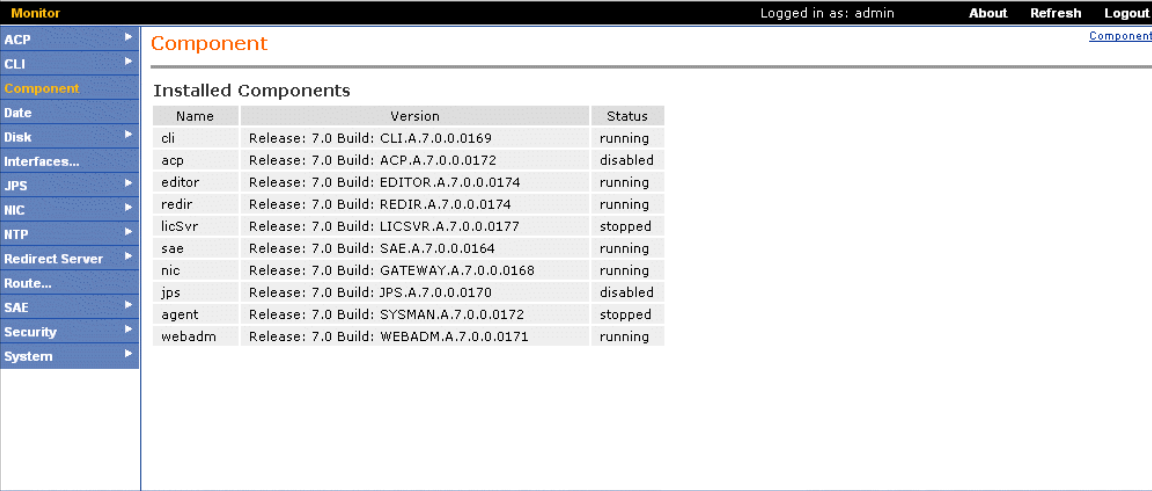


## Viewing Information About Components Installed with the C-Web Interface

To view the installed SRC components:

- Select **Component** from the side pane.

The Component pane displays the status of each installed component.



The screenshot shows the Juniper C-Web Interface. The top bar indicates the user is logged in as 'admin' and provides links for 'About', 'Refresh', and 'Logout'. The left sidebar contains a list of system components, with 'Component' selected. The main content area displays a table titled 'Installed Components'.

Name	Version	Status
cli	Release: 7.0 Build: CLI.A.7.0.0.0169	running
acp	Release: 7.0 Build: ACP.A.7.0.0.0172	disabled
editor	Release: 7.0 Build: EDITOR.A.7.0.0.0174	running
redir	Release: 7.0 Build: REDIR.A.7.0.0.0174	running
licSvr	Release: 7.0 Build: LICSVR.A.7.0.0.0177	stopped
sae	Release: 7.0 Build: SAE.A.7.0.0.0164	running
nic	Release: 7.0 Build: GATEWAY.A.7.0.0.0168	running
jps	Release: 7.0 Build: JPS.A.7.0.0.0170	disabled
agent	Release: 7.0 Build: SYSMAN.A.7.0.0.0172	stopped
webadm	Release: 7.0 Build: WEBADM.A.7.0.0.0171	running

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## Viewing Information About Boot Messages with the C-Web Interface

To view messages generated during SRC software startup:

- Select **System** from the side pane, and click **Boot Messages**.

The Boot Messages pane displays the boot messages.

Monitor		Logged in as: admin	About	Refresh	Logout
ACP	▶	<b>System</b>			
CLI	▶	<b>Boot Messages</b>			
Component		Fri Mar 9 10:17:24 EST 2007			
Date		Feb 20 19:27:18 buffy genunix: [ID 936769 kern.info] dad0 is /pci@1f,0/ide@d/dad@2,0			
Disk	▶	Feb 20 19:27:18 buffy dada: [ID 365881 kern.info] <ST380011A cyl 38307 alt 2 hd 16 sec 255>			
Interfaces...		Feb 20 19:27:19 buffy swapgeneric: [ID 308332 kern.info] root on /pci@1f,0/ide@d/disk@2,0:a fstype ufs			
JPS	▶	Feb 20 19:27:19 buffy pcipsy: [ID 370704 kern.info] PCI-device: isa@7, ebus0			
NIC	▶	Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] ebus0 is /pci@1f,0/isa@7			
NTP	▶	Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] su0 at ebus0: offset 0,3f8			
Redirect Server	▶	Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] su0 is /pci@1f,0/isa@7/serial@0,3f8			
Route...		Feb 20 19:27:19 buffy ebus: [ID 521012 kern.info] sul at ebus0: offset 0,2e8			
SAE	▶	Feb 20 19:27:19 buffy genunix: [ID 936769 kern.info] sul is /pci@1f,0/isa@7/serial@0,2e8			
Security	▶	Feb 20 19:27:19 buffy unix: [ID 987524 kern.info] cpu0: SUNW,UltraSPARC-IIe (upaid 0 impl 0x13 ver 0x33 clock 548 MHz)			
System	▶	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] dmf0: 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] dmf1: 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, dmf1			
		Feb 20 19:27:22 buffy genunix: [ID 936769 kern.info] dmf1 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: dmf1: 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. Select **Security** from the side pane, and click **Certificate**.

The Certificate pane appears.



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

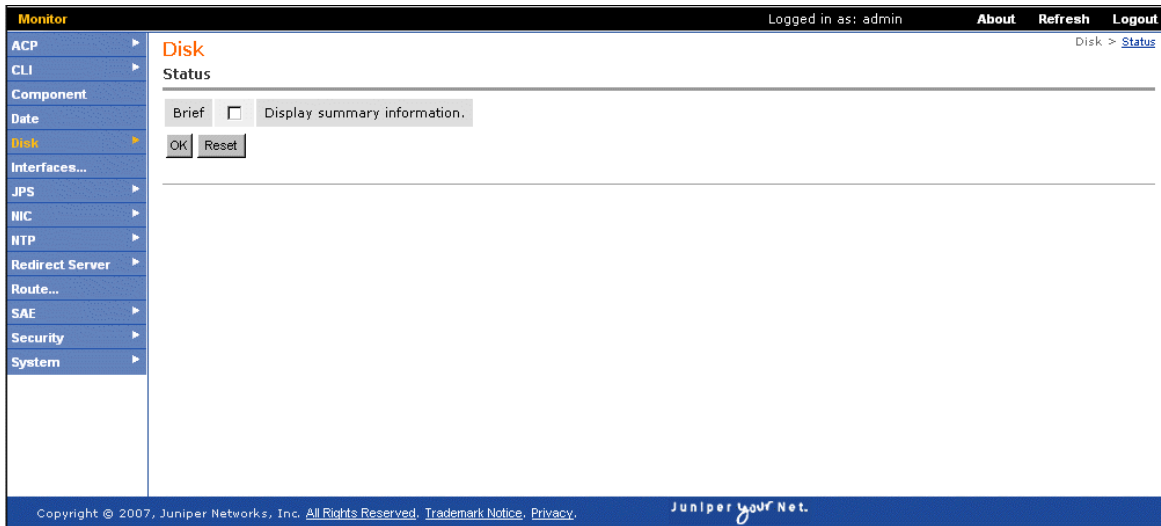
The Certificate pane displays the security certificates.

## Viewing Information About System Disk Status

To view information about the system disk status:

1. Select **Disk** from the side pane, and click **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 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 SRC CLI User Permissions

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

- Select **CLI** from the side pane, and click **Authorization**.

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

Monitor Logged in as: admin About Refresh Logout

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



### Viewing Information About the SRC CLI User Level

To view information about the current user's editing level for the SRC CLI:

- Select **CLI** from the side pane, and click **Level**.

The Level pane appears and displays the current user's editing level.

