

CHAPTER 5

CTRS Show Commands

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This chapter contains Cisco TelePresence Recording Server (CTRS) **show** commands:

- [show account](#), page 5-4
- [show activesessions all](#), page 5-5
- [show activesessions both](#), page 5-6
- [show activesessions recordings](#), page 5-7
- [show activesessions replays](#), page 5-8
- [show cli pagination](#), page 5-9
- [show diskalertthreshold](#), page 5-10
- [show diskusage activelog](#), page 5-11
- [show diskusage common](#), page 5-12
- [show diskusage inactivelog](#), page 5-13
- [show diskusage install](#), page 5-14
- [show diskusage tmp](#), page 5-15
- [show diskspace left](#), page 5-16
- [show diskspace used](#), page 5-17
- [show hardware](#), page 5-18
- [show hdcapable](#), page 5-19
- [show ldcapable](#), page 5-20
- [show logins](#), page 5-21
- [show mediasecurity](#), page 5-22
- [show myself](#), page 5-23
- [show network all](#), page 5-24
- [show network dhcp eth0 status](#), page 5-25
- [show network eth0](#), page 5-26
- [show network failover](#), page 5-27
- [show network ip_contrack](#), page 5-28

- [show network ipprefs all](#), page 5-29
- [show network ipprefs enabled](#), page 5-30
- [show network ipprefs public](#), page 5-31
- [show network max_ip_contrack](#), page 5-32
- [show network route](#), page 5-33
- [show network status](#), page 5-34
- [show open files all](#), page 5-35
- [show open files process](#), page 5-36
- [show open files regexp](#), page 5-37
- [show open ports all](#), page 5-38
- [show open ports regexp](#), page 5-39
- [show packages](#), page 5-40
- [show process list](#), page 5-41
- [show process load](#), page 5-42
- [show process name](#), page 5-44
- [show process open-fd](#), page 5-45
- [show process pid](#), page 5-46
- [show process search](#), page 5-47
- [show process user](#), page 5-48
- [show process using-most cpu](#), page 5-49
- [show process using-most memory](#), page 5-50
- [show recordedquality](#), page 5-51
- [show refreshrate](#), page 5-52
- [show snmp trapdests](#), page 5-53
- [show snmp users](#), page 5-54
- [show stats io](#), page 5-55
- [show status](#), page 5-56
- [show syslog facility](#), page 5-57
- [show syslog heartbeat facility](#), page 5-58
- [show syslog heartbeat interval](#), page 5-59
- [show syslog heartbeat msg](#), page 5-60
- [show syslog heartbeat severity](#), page 5-61
- [show syslog timezone](#), page 5-62
- [show syslog version](#), page 5-63
- [show tech all](#), page 5-64
- [show tech network all](#), page 5-65
- [show tech network hosts](#), page 5-66
- [show tech network interfaces](#), page 5-67

- `show tech network resolv`, page 5-68
- `show tech network routes`, page 5-69
- `show tech network sockets`, page 5-70
- `show tech runtime all`, page 5-71
- `show tech runtime cpu`, page 5-72
- `show tech runtime disk`, page 5-73
- `show tech runtime env`, page 5-74
- `show tech runtime memory`, page 5-75
- `show tech system all`, page 5-76
- `show tech system bus`, page 5-77
- `show tech system hardware`, page 5-78
- `show tech system host`, page 5-79
- `show tech system kernel modules`, page 5-80
- `show tech system software`, page 5-81
- `show tech system tools`, page 5-82
- `show timezone`, page 5-83
- `show users`, page 5-84
- `show version`, page 5-85
- `show videoquality`, page 5-86
- `show workingdir`, page 5-87

**Note**

For information about using the CTRS administration software, refer to the *Cisco TelePresence Recording Server Release 1.7 Administration Guide* at the following URL:

http://www.cisco.com/en/US/products/ps10341/prod_maintenance_guides_list.html

show account

show account

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display a list of all administrative accounts except for the master administrator account.

Examples

```
admin:show account
Name = test, Privilege = 1
```

show activesessions all

show activesessions all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active recordings and replays.

Examples

```
admin:show activesessions all
Setting active types to all
*****Active Call(s) *****
*****
```

show activesessions both

show activesessions both

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active bidirectional sessions.

Examples

```
admin:show activesessions both
Setting active types to bidirectional
*****Active Call(s) *****
*****
```

show activesessions recordings

show activesessions recordings

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active recordings.

Examples

```
admin:show activesessions recordings
Setting active types to recordings
*****Active Call(s) *****
*****
```

show activesessions replays

show activesessions replays

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active replays.

Examples

```
admin:show activesessions replays
Setting active types to replays
*****Active Call(s) *****
*****
```


show cli pagination

show cli pagination

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to check the status of automatic pagination.

Examples

```
admin: show cli pagination
Automatic Pagination : Off
```

show diskalertthreshold

show diskalertthreshold

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to show the disk percent usage that will trigger an alert to an administrator.

Examples

```
admin: show diskalertthreshold
Disk Alert Threshold: 80
Alert Admin at Email:
```

show diskusage activelog

show diskusage activelog [*file fname*] [*directory*] [*sort*]

Syntax Description

<i>file fname</i>	Save output in a file format.
<i>directory</i>	View directory sizes only, in 1024 byte blocks.
<i>sort</i>	Sort output by size.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the disk usage of the active log directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples

```
admin:show diskusage activelog
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?
```

show diskusage common

`show diskusage common [file fname] [directory] [sort]`

Syntax Description

<code>file <i>fname</i></code>	Save output in a file format.
<code>directory</code>	View directory sizes only, in 1024 byte blocks.
<code>sort</code>	Sort output by size in 1024 byte blocks.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the disk usage of the common directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples

```
admin:show diskusage common
```

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)

show diskusage inactivelog

`show diskusage inactivelog [file fname] [directory] [sort]`

Syntax Description	file <i>fname</i>	Save output in a file format.
	directory	View directory sizes only, in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the inactive directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view inactivelog** command.

Examples admin:`show diskusage inactivelog`

This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.

Continue (y/n)?

show diskusage install

`show diskusage install [file fname] [directory] [sort]`

Syntax Description	file <i>fname</i>	Save output in a file format. The file will be saved as platform/cli/ <i>fname</i> .
	directory	View directories only in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the install directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view install** command.

Examples admin:`show diskusage install`

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)?

show diskusage tmp

show diskusage tmp [*file fname*] [*directory*] [*sort*]

Syntax Description		
file <i>fname</i>		Save output in a file format. The file will be saved as platform/cli/ <i>fname</i> .
directory		View directories only in 1024 byte blocks.
sort		Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the temporary directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples admin:**show diskusage tmp**

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)?

show diskspace left

show diskspace left

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the amount of media disk space left.

Examples

```
admin:show diskspace left
Disk Space: 621G
```


show diskspace used

show diskspace used

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to display the amount of media disk space used.

Examples

```
admin:show diskspace used
Disk Space: 18G
```

show hardware

show hardware

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display basic platform hardware information.

Examples

```
admin:show hardware
HW Platform       : 7845H2
Processors        : 2
Type              : Family: Xeon
CPU Speed         : 2333
Memory            : 4096 MBytes
Object ID         : 1.3.6.1.4.1.9.1.586
OS Version        : UCOS 4.0.0.0-27
Serial Number     : 2UX90700FN

RAID Version      :
RAID Firmware Version: 5.26
RAID BIOS Version: N/A

BIOS Information  :
11/01/2008

RAID Details      :

Smart Array P400 in Slot 1
  Bus Interface: PCI
  Slot: 1
  Serial Number: PAFGK0P9VWS6D8
  Cache Serial Number: PA82C0J9SWV3HL
  RAID 6 (ADG) Status: Enabled
  RAID 6 (ADG) Enabler Status: Enabled
  Controller Status: OK
  Chassis Slot:
  Hardware Revision: Rev E
  Firmware Version: 5.26
  Rebuild Priority: Medium
  Expand Priority: Medium
  Surface Scan Delay: 3 sec
  Cache Board Present: True
  Cache Status: OK
  Accelerator Ratio: 50% Read / 50% Write
  ...
```

show hdcapable

show hdcapable

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display if HD video recording is enabled.

Examples

```
admin:show hdcapable
HD Capability: Enabled
```

show ldcapable

show ldcapable

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display if LD video recording is enabled.

Examples

```
admin:show ldcapable
CIF Capability: Enabled
```

show logins

`show logins [number]`

Syntax Description	<i>number</i>	The optional parameter can be used to specify the number of displayed logins. A value of 0 will display all previously saved logins. The default is 20.
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Command Modes	Admin
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Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the last 20 platform admin logins.

Examples

```
admin:show logins
admin pts/0      dhcp-171-70-13-1 Tue Dec  1 16:05  still logged in
root  pts/0      pnmars-61.cisco. Tue Dec  1 05:53 - 10:45 (04:52)
```

show mediasecurity

show mediasecurity

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the configured box-level security for media.

Examples `admin:show mediasecurity`

show myself

show myself

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	The command was first documented.

Usage Guidelines Use this command to display information about the current account. The CLI “set commandcount” and “set logging” commands can be used to modify current account settings.

Examples

```
admin:show myself
Machine Name      : tsbu-ctrs-dev6
account name     : admin
privilege level  : 4
command count    : disabled
logging setting  : disabled
```

show network all

show network all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display all basic platform network information.



Note You can use the search option to selectively display the output.

Examples

```
admin:show network all
Ethernet 0
DHCP      : disabled           Status      : up
IP Address : 172.28.70.109     IP Mask     : 255.255.252.0
Link Detected: yes           Mode        : Auto enabled, Full, 1000 Mbits/s
Duplicate IP : no

DNS
Primary   : 171.70.168.183     Secondary   : Not Configured
Options   : timeout:5 attempts:2
Domain    : cisco.com
Gateway   : 172.28.68.1 on Ethernet 0
172.28.68.0/22 dev eth0 proto kernel scope link src 172.28.70.109
169.254.0.0/16 dev eth0 scope link
default via 172.28.68.1 dev eth0
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp      0      0 localhost:3873          *:*                     LISTEN
tcp      0      0 *:12102                 *:*                     LISTEN
tcp      0      0 localhost:8999          *:*                     LISTEN
tcp      0      0 *:12104                 *:*                     LISTEN
tcp      0      0 *:5001                  *:*                     LISTEN
tcp      0      0 *:8009                  *:*                     LISTEN
tcp      0      0 *:32777                 *:*                     LISTEN
tcp      0      0 *:32778                 *:*                     LISTEN
tcp      0      0 localhost:1098          *:*                     LISTEN
tcp      0      0 *:32780                 *:*                     LISTEN
tcp      0      0 *:61455                 *:*                     LISTEN
tcp      0      0 *:webcache              *:*                     LISTEN
tcp      0      0 *:61456                 *:*                     LISTEN
tcp      0      0 *:61457                 *:*                     LISTEN
tcp      0      0 localhost:8083          *:*                     LISTEN
...
```


show network dhcp eth0 status

show network dhcp eth0 status

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the DHCP status for eth0.

Examples

```
admin:show network dhcp eth0 status

DHCP is disabled for eth0

Host ip address: 192.0.2.0
Net mask: 255.255.255.0
Gateway: 192.0.2.255
```

show network eth0

show network eth0

Syntax Description None

Command Modes Admin

Command History	Release	Modification
	1.6	The command was first documented.

Usage Guidelines Use this command to display some basic platform network information about eth0.



Note You can use the search option to selectively display the output.

Examples

```
admin:show network eth0
```

```
Ethernet 0
DHCP      : disabled           Status      : up
IP Address : 172.28.70.109     IP Mask     : 255.255.252.0
Link Detected: yes           Mode        : Auto enabled, Full, 1000 Mbits/s
Duplicate IP : no
```

```
DNS
Primary   : 171.70.168.183     Secondary  : Not Configured
Options   : timeout:5 attempts:2
Domain    : cisco.com
Gateway   : 172.28.68.1 on Ethernet 0
```

show network failover

show network failover

Syntax Description None

Command Modes Admin

Command History	Release	Modification
	1.6	This command was first documented.

Usage Guidelines Use this command to display NIC Teaming network fault tolerance information.

Examples

```
admin:show network failover
Network Fault Tolerance is not configured.
```

show network ip_contrack

show network ip_contrack

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the current utilization of ip_contrack.

Examples

```
admin:show network ip_contrack
```

35

show network ipprefs all

show network ipprefs all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all incoming ports that may be used on the product.

Examples

```
admin:show network ipprefs all
```

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access						
racoon	esp	-	public	-	disabled	ipsec
traffic						
racoon	udp	500	public	-	disabled	ipsec setup
port						
tomcat	tcp	8443	translated	443	enabled	secure web
access						
tomcat	tcp	8080	translated	80	enabled	web access
ntpd	udp	123	public	-	enabled	network time
sync						
dhcp6c	udp	546	public	-	disabled	DHCPv6
client						
netdump	udp	6666	public	-	disabled	this port
needs to be open on systems running the netdump server						
database	tcp	1533	public	-	enabled	database
partA port						
database	tcp	1534	public	-	disabled	database
partB port						
snmp	udp	161	public	-	disabled	snmp port
jboss	tcp	1044	public	-	disabled	jboss debug
port						
ALL	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports						
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						
...						

show network ipprefs enabled

show network ipprefs enabled

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all incoming ports that are currently opened.

Examples

admin: **show network ipprefs enabled**

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access	tcp	8443	translated	443	enabled	secure web
tomcat	tcp	8080	translated	80	enabled	web access
ntpd	udp	123	public	-	enabled	network time
sync						
database	tcp	1533	public	-	enabled	database
partA port						
ALL	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports						
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						

show network ipprefs public

show network ipprefs public

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to display all incoming ports that are currently opened for any remote client.

Examples

```
admin:show network ipprefs public
```

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access	tcp	8443	translated	443	enabled	secure web
tomcat	tcp	8080	translated	80	enabled	web access
ntp	udp	123	public	-	enabled	network time
sync	tcp	1533	public	-	enabled	database
partA port	ALL	32768:61000	public	-	enabled	generic
ephemeral tcp ports	ALL	32768:61000	public	-	enabled	generic
ephemeral udp ports	ALL	32768:61000	public	-	enabled	generic

show network max_ip_contrack

show network max_ip_contrack

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display ip_contrack_max information.

Examples

```
admin:show network max_ip_contrack
65536
```


show network route

show network route

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display some basic platform network route information.



Note You can use the search option to selectively display the output.

Examples

```
admin:show network route
172.28.68.0/22 dev eth0 proto kernel scope link src 172.28.70.109
169.254.0.0/16 dev eth0 scope link
default via 172.28.68.1 dev eth0
```

show network status

show network status [*search name*]

Syntax Description	search <i>name</i>	Optional search feature, The variable <i>name</i> is a text string indicating network. String cannot contain spaces or tabs and is case insensitive.
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Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display basic platform network status information.

Examples

```
admin:show network status
```

```
Active Internet connections (w/o servers)
```

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	tsbu-ctrs-dev6.cisco.:41626	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41627	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41624	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED

```
Active UNIX domain sockets (w/o servers)
```

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	3	[]	DGRAM		7948	/dev/log2
unix	2	[]	DGRAM		28530	

Example with optional search feature:

```
admin:show network status cisco.com
```

```
Active Internet connections (w/o servers)
```

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	tsbu-ctrs-dev6.cisco.:41626	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41627	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41624	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED

```
Active UNIX domain sockets (w/o servers)
```

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	3	[]	DGRAM		7948	/dev/log2
unix	2	[]	DGRAM		28530	
unix	11	[]	DGRAM		7809	/dev/log
unix	2	[]	DGRAM		4001	@udev
unix	2	[]	DGRAM		1173292	
unix	2	[]	DGRAM		1171540	

show open files all

show open files all

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all open files on the CTRS.

Examples

```
admin:show open files all
Executing.. please wait.
COMMAND      PID      USER    FD      TYPE    DEVICE        SIZE      NODE NAME
init         1       root    cwd      DIR     104,2         4096       2 /
init         1       root    rtd      DIR     104,2         4096       2 /
init         1       root    txt      REG     104,2        31216     3997776 /sbin/init
init         1       root    mem      REG     104,2         52400     2277509
/lib/libsepol.so.1
init         1       root    mem      REG     104,2       1539036     2277466
/lib/tls/libc-2.3.4.so
init         1       root    mem      REG     104,2        110984     2277391 /lib/ld-2.3.4.so
init         1       root    mem      REG     104,2         55000     2277498
/lib/libselinux.so.1
init         1       root    10u     FIFO    0,13          1203      /dev/initctl
migration    2       root    cwd      DIR     104,2         4096       2 /
migration    2       root    rtd      DIR     104,2         4096       2 /
migration    2       root    txt      unknown /proc/2/exe
ksoftirqd   3       root    cwd      DIR     104,2         4096       2 /
ksoftirqd   3       root    rtd      DIR     104,2         4096       2 /
ksoftirqd   3       root    txt      unknown /proc/3/exe
migration    4       root    cwd      DIR     104,2         4096       2 /
migration    4       root    rtd      DIR     104,2         4096       2 /
migration    4       root    txt      unknown /proc/4/exe
ksoftirqd   5       root    cwd      DIR     104,2         4096       2 /
ksoftirqd   5       root    rtd      DIR     104,2         4096       2 /
ksoftirqd   5       root    txt      unknown /proc/5/exe
migration    6       root    cwd      DIR     104,2         4096       2 /
migration    6       root    rtd      DIR     104,2         4096       2 /
migration    6       root    txt      unknown /proc/6/exe
ksoftirqd   7       root    cwd      DIR     104,2         4096       2 /
ksoftirqd   7       root    rtd      DIR     104,2         4096       2 /
ksoftirqd   7       root    txt      unknown /proc/7/exe
migration    8       root    cwd      DIR     104,2         4096       2 /
migration    8       root    rtd      DIR     104,2         4096       2 /
migration    8       root    txt      unknown /proc/8/exe
```

show open files process

`show open files process {processID1,processID2...}`

Syntax Description

processID1... Process ID numbers. To show information about more than one process, separate process ID numbers with a comma.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all open files on the device belonging to the indicated processes.

Examples

```
admin:show open files process 3886,4086
COMMAND  PID USER  FD  TYPE  DEVICE  SIZE  NODE NAME
arpmond  3886 root  cwd  DIR   104,2   4096    2 /
arpmond  3886 root  rtd  DIR   104,2   4096    2 /
arpmond  3886 root  txt  REG   104,2  19483  328533
/usr/local/os-services/sbin/arpmond
arpmond  3886 root  mem  REG   104,2  110984 2277391 /lib/ld-2.3.4.so
arpmond  3886 root  mem  REG   104,2 1539036 2277466 /lib/tls/libc-2.3.4.so
arpmond  3886 root  0r   CHR    1,3                1930 /dev/null
arpmond  3886 root  1w   CHR    1,3                1930 /dev/null
arpmond  3886 root  2w   CHR    1,3                1930 /dev/null
arpmond  3886 root  3u   sock    0,4                7384 can't identify protocol
arpmond  3886 root  4u   sock    0,4                7742 can't identify protocol
arpmond  3886 root  5wW  REG   104,2           4 4030838 /var/lock/subsys/.arpmond
arpmond  3886 root  6u   unix 0xf69e7dc0       7741 socket
arpmond  3886 root  7u   sock    0,4                7632 can't identify protocol
ipprefsd 4086 root  cwd  DIR   104,2   4096    2 /
ipprefsd 4086 root  rtd  DIR   104,2   4096    2 /
ipprefsd 4086 root  txt  REG   104,2  132789  328534
/usr/local/os-services/sbin/ipprefsd
ipprefsd 4086 root  mem  REG   104,2  105824 2277470 /lib/tls/libpthread-2.3.4.so
ipprefsd 4086 root  mem  REG   104,2  717778  511070
/usr/local/platform/lib/libstlport.so.5.1
ipprefsd 4086 root  mem  REG   104,2  211948 2277468 /lib/tls/libm-2.3.4.so
ipprefsd 4086 root  mem  REG   104,2   47404 2277426 /lib/libnss_files-2.3.4.so
ipprefsd 4086 root  mem  REG   104,2  110984 2277391 /lib/ld-2.3.4.so
ipprefsd 4086 root  mem  REG   104,2   38624 2277378
/lib/libgcc_s-3.4.6-20060404.so.1
ipprefsd 4086 root  mem  REG   104,2 1539036 2277466 /lib/tls/libc-2.3.4.so
ipprefsd 4086 root  0r   CHR    1,3                1930 /dev/null
ipprefsd 4086 root  1w   CHR    1,3                1930 /dev/null
ipprefsd 4086 root  2w   CHR    1,3                1930 /dev/null
ipprefsd 4086 root  3u   unix 0xf69e7bc0       7791 /tmp/ipprefs.socket
```

show open files regexp

show open files regexp "*string*"

Syntax Description	" <i>string</i> "	Regular expression identifying string. String value must be included inside quotation marks.
---------------------------	-------------------	--

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display all open files on the device that match the regular expression as defined by the <i>string</i> value.
-------------------------	---

Examples	<pre>admin:show open files regexp "Cisco" Executing.. please wait. syslogd 4174 root 10u FIFO 104,2 4030835 /var/CiscoSyslogFifo snmpd 8642 root 6r FIFO 104,2 4030835 /var/CiscoSyslogFifo java 29187 admin mem REG 104,2 46642 511301 /usr/local/platform/jar/CiscoIPSec.jar</pre>
-----------------	---

show open ports all

show open ports all

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all open ports on the device.

Examples

```
admin:show open ports all
Executing.. please wait.
COMMAND      PID      USER    FD   TYPE    DEVICE  SIZE  NODE  NAME
sshd          4355    root    3u   IPv6    8294    TCP *:ssh (LISTEN)
dhparent2    4577    root    4u   IPv4    8955    TCP *:12104 (LISTEN)
java          4624    root    4u   IPv4    8955    TCP *:12104 (LISTEN)
post_proc    4656    root    4u   IPv4    8955    TCP *:12104 (LISTEN)
post_proc    4656    root    6u   IPv4    9013    TCP *:61456 (LISTEN)
ccs           5380    root    4u   IPv4    8955    TCP *:12104 (LISTEN)
ccs           5380    root    7u   IPv4    9817    TCP *:12102 (LISTEN)
ccs           5380    root    8u   IPv4    9899    TCP *:61455 (LISTEN)
ccs           5380    root    9u   IPv4    9901    TCP *:61457 (LISTEN)
keyExchan    5528    root    4u   IPv4    8955    TCP *:12104 (LISTEN)
cmahostd     7766    root    4u   IPv4    1177318 UDP *:49152
cmapeerd     7936    root    3u   IPv4    15503  UDP 127.0.0.1:25376
cmanicd      8111    root    3u   IPv4    16564  UDP 127.0.0.1:25393
snmpd        8642    root    7u   IPv4    16654  TCP *:61461 (LISTEN)
snmpd        8642    root    9u   IPv4    16672  UDP 127.0.0.1:25375
snmpd        8642    root    10u  IPv4    16675  UDP *:snmp
clm           9600    root    6u   IPv4    28528  UDP *:8500
clm           9600    root    7u   IPv4    28529  TCP *:8500 (LISTEN)
racocon      9603    root    7u   IPv6    27678  UDP [fe80::223:7dff:fe62:b15a]:isakmp
racocon      9603    root    8u   IPv6    27680  UDP [::1]:isakmp
racocon      9603    root    9u   IPv4    27681  UDP 172.28.70.109:isakmp
racocon      9603    root    10u  IPv4    27682  UDP 127.0.0.1:isakmp
servM        9608    servmgr 6u   IPv4    27894  TCP 127.0.0.1:8888 (LISTEN)
servM        9608    servmgr 7u   IPv4    27897  TCP 127.0.0.1:8889 (LISTEN)
ntpd         10800   ntp     4u   IPv4    28111  UDP *:ntp
ntpd         10800   ntp     5u   IPv6    28112  UDP *:ntp
ntpd         10800   ntp     6u   IPv4    28113  UDP 127.0.0.1:ntp
ntpd         10800   ntp     7u   IPv4    28114  UDP 172.28.70.109:ntp
oninit       11160   informix 4u   IPv4    28738  TCP 172.28.70.109:tsbu_ctrs_dev6_ctis
(LISTEN)
oninit       11160   informix 6u   IPv4    1177195 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41751 (ESTABLISHED)
```

show open ports regexp

show open ports regexp "*string*"

Syntax Description	" <i>string</i> "	Regular expression identifying string. String value must be included inside quotation marks.
---------------------------	-------------------	--

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all open ports on the device that match the regular expression as defined by the *string* value.

Examples

```
admin:show open ports regexp "informix"
Executing.. please wait.
oninit 11160 informix 4u IPv4 28738 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis
(LISTEN)
oninit 11160 informix 6u IPv4 1177195 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41751 (ESTABLISHED)
oninit 11160 informix 7u IPv4 1177197 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41752 (ESTABLISHED)
oninit 11160 informix 8u IPv4 1177199 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41753 (ESTABLISHED)
oninit 11160 informix 9u IPv4 1177201 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41754 (ESTABLISHED)
oninit 11160 informix 10u IPv4 1177203 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41755 (ESTABLISHED)
oninit 11160 informix 11u IPv4 1177205 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41756 (ESTABLISHED)
oninit 11160 informix 12u IPv4 1177207 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41757 (ESTABLISHED)
```

show packages

show packages {*active name* | **active ***} | {*inactive name* | **inactive ***}

Syntax Description

active name	Retrieves the version number for a specific package on the active partition.
active *	Retrieves the version numbers for all packages on the active partition.
inactive name	Retrieves the version number for a specific package on the inactive partition.
inactive *	Retrieves the version number for all packages on the inactive partition.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the version number of one or more packages on the active side or inactive partition.

Examples

```
admin: show packages active jdk
Active Side Package(s): for jdk package(s)
jdk-1.5.0_17-fcs

admin: show packages inactive jdk
Inactive Side Package(s): for jdk package(s)
jdk-1.5.0_14-fcs
```


show process list

`show process list [file name] [detail] [vm]`

Syntax Description	file name	Saves output in a separate file.
	detail	Displays detailed process information, such as process page fault, virtual memory and start time.
	vm	Displays process virtual memory.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the list of all processes and critical information about each of them. This command also displays the parent-child relationship between these processes.

Use the **detail** option to see a more detailed view of these processes.

Use the **file name** option to redirect the output of this command.




Examples

```
admin:show process list
...
5758 /usr/sbin/racoon -F -f /etc/racoon/racoon.conf
5759 /usr/local/platform/bin/servM
7035 \_ /usr/local/cm/bin/dbmon
7985 \_ /usr/local/cm/bin/cdspd -f
8045 \_ /usr/local/platform/bin/enStart
8255 \_ /usr/local/platform/bin/certM
8514 \_ /usr/local/cm/bin/cdragent /usr/local/cm/conf/cdragent/cdragentCfg.xml
8538 \_ /usr/local/cm/bin/RisDC
8551 \_ /usr/local/cm/bin/amc /usr/local/cm/conf/amc/amcCfg.xml
8695 \_ /usr/local/cm/bin/ctftp
6627 /usr/local/cm/bin/cmoninit
6628 \_ /usr/local/cm/bin/cmoninit
6629 \_ /usr/local/cm/bin/cmoninit
6630 \_ /usr/local/cm/bin/cmoninit
6631 \_ /usr/local/cm/bin/cmoninit
6632 \_ /usr/local/cm/bin/cmoninit
...
```

show process load

show process load [**cpu** | **memory** | **time**] [**cont**] [**clear**] [**noidle**] [**page**] [**thread**]
 [**num number** | **num all**]

Syntax Description

cont	Repeats the command continuously.
clear	Screen clears before displaying output.
cpu	Sorts output by CPU usage. If no options are specified, this is the default.
	
Note	This option cannot be combined with other options.
memory	Sorts output by memory usage.
	
Note	This options cannot be combined with other options.
noidle	Command ignores the idle/zombie processes
page	Pauses output.
thread	Displays threads.
time	Sorts output by time usage.
	
Note	This option cannot be combined with other options.
num number	Defines the number of processes to display; minimum value is 1, default is 10.
num all	Displays all processes.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the current system load including the number of processes using the most CPU, memory or time.



Note The following options cannot be combined with other command options: **cpu**, **memory** or **time**. If more than one is specified, the last one will be used. If none is specified, **cpu** will be shown.

Examples

```
admin:show process load num 10
22:11:35 up 7:50, 4 users, load average: 0.00, 0.00, 0.00
75 processes: 74 sleeping, 1 running, 0 zombie, 0 stopped
```

```

CPU states:  cpu    user    nice    system    irq    softirq    iowait    idle
              total  1.9%    0.0%    0.9%    0.9%    0.0%    10.6%    85.4%
Mem:  511988k av, 494364k used, 17624k free, 0k shrd, 46104k buff
      354932k actv, 67572k in_d, 6848k in_c
Swap: 2048248k av, 17984k used, 2030264k free 269444k cached
  PID USER   PRI  NI  SIZE  RSS SHARE STAT %CPU %MEM  TIME CPU COMMAND
13993 admin   24   0 1152 1152  888 R    1.9  0.2  0:00  0 top
     1 root    15   0  512  480  448 S    0.0  0.0  0:04  0 init
     2 root    RT   0   0    0    0 SW   0.0  0.0  0:00  0 migration/0
     3 root    15   0   0    0    0 SW   0.0  0.0  0:00  0 keventd
     4 root    15   0   0    0    0 SW   0.0  0.0  0:03  0 kapmd
     5 root    34  19   0    0    0 SWN  0.0  0.0  0:00  0 ksoftirqd/0
     8 root    25   0   0    0    0 SW   0.0  0.0  0:00  0 bdf flush
     6 root    15   0   0    0    0 SW   0.0  0.0  0:01  0 kswapd
     7 root    15   0   0    0    0 SW   0.0  0.0  0:00  0 kscand
     9 root    15   0   0    0

```

show process name

show process name *process-name* [**file name**] [**cont**] [**detail | vm**]

Syntax Description

<i>process-name</i>	Identifies a specific process.
file name	Saves output in a separate file.
cont	Repeats the command continuously.
detail	Displays detailed process information, such as virtual memory, and start time.
vm	Displays the process virtual memory.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the details of processes that share the same name. This command displays the parent-child relationship.

Examples

```
admin:show process name servM detail
  PID  PPID  TID  %CPU  %MEM  S  USER      MINFL  MAJFL  RSS   VSZ           STARTED
COMMAND
  7280    1    -   0.1   0.3  S  servmgr   21909   1962  7432  86140 Mon Jan 14 10:53:25 2008
/usr/local/platform/bin/servM
```

show process open-fd

show process open-fd *process-ID* [**file name**] [**cont**]

Syntax Description		
	<i>process-ID</i>	Identifies a specific process.
	file name	Saves output in a separate file.
	cont	Repeats the command continuously.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the open file descriptors for a comma-separated list of process IDs.

Examples

admin: **show process open-fd 10554**

```

COMMAND      PID USER  FD   TYPE DEVICE        SIZE     NODE NAME
ntp_start    10554 root  cwd   DIR     8,1         4096         2 /
ntp_start    10554 root  rtd   DIR     8,1         4096         2 /
ntp_start    10554 root  txt   REG     8,1        585908      506215 /bin/bash
ntp_start    10554 root  mem   REG     8,1         13601      1077403 /lib/libdl-2.3.2.so
ntp_start    10554 root  mem   REG     8,1       1516255      587978 /lib/tls/libc-2.3.2.so
ntp_start    10554 root  mem   REG     8,1          5848       49258 /lib/csa/sse2/sse2_boost.so.1
ntp_start    10554 root  mem   REG     8,1        102480      1077387 /lib/ld-2.3.2.so
ntp_start    10554 root  mem   REG     8,1        124884       49255 /lib/csa/libcso.so.6
ntp_start    10554 root  mem   REG     8,1         50783      1077423 /lib/libnss_files-2.3.2.so
ntp_start    10554 root  mem   REG     8,1         86486      587977 /lib/tls/libpthread-0.60.so
ntp_start    10554 root  mem   REG     8,1         11784      1077461 /lib/libtermcap.so.2.0.8
ntp_start    10554 root  mem   REG     8,1         21436       424691
/usr/lib/gconv/gconv-modules.cache
ntp_start    10554 root  mem   REG     8,1    32148976     326576 /usr/lib/locale/locale-archive
...

```

show process pid

show process pid *process-ID* [*file name*] [**cont**] [**detail** | **vm**]

Syntax Description

<i>process-ID</i>	Identifies a specific process.
<i>file name</i>	Saves output in a separate file.
cont	Repeats the command continuously.
detail	Displays detailed process information, such as virtual memory, and start time.
vm	Displays the process virtual memory.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the details of a process with a specified process ID.

Examples

```
admin:show process pid 3886 vm
```

```
PID TTY      STAT   TIME  MAJFL  TRS   DRS  RSS %MEM COMMAND
 3886 ?        S      1:29   0    12  1659 396 0.0
/usr/local/os-services/sbin/arpmond
```

show process search

`show process search regexp [file name]`

Syntax Description	<i>regexp</i>	Identifies a specific string (regular expression) on which to search.
	<i>file name</i>	Saves output in a separate file.
Command Modes	Admin	
Command History	Release	Modifications
	1.6	This command was first documented.
Usage Guidelines	Use this command to search for particular patterns in the output of the operating system-specific process listing.	

Examples

```
admin:show process search cisco*
root      10731  7672  0 20:01 pts/0      00:00:00 /bin/bash
/usr/local/platform/cli_scripts/listProcesses.sh -search cisco*
root      10736 10731  0 20:01 pts/0      00:00:00 grep -i cisco*
```

show process user

show process user *name* [*file name*] [*cont*] [*detail* | *vm*]

Syntax Description

<i>name</i>	User identification
<i>file name</i>	Saves output in a separate file.
<i>cont</i>	Repeats the command continuously.
<i>detail</i>	Displays detailed process information, such as virtual memory, and start time.
<i>vm</i>	Displays the process virtual memory.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display details of processes that share the specified user name. This command displays the parent-child relationship.

Examples

```
admin:show process user admin
  PID  PPID  TID  %CPU  S  COMMAND
13342 13341 - 0.0  S  cliscript.sh
13423 13342 - 0.4  S  java
13689 13423 - 0.0  S  \_ listProcesses.s
13694 13689 - 0.0  R    \_ ps
13424 13342 - 0.0  S  java
13425 13342 - 0.0  S  java
13426 13342 - 0.0  S  java
13427 13342 - 0.0  S  java
13428 13342 - 0.1  S  java
13429 13342 - 0.0  S  java
13430 13342 - 0.0  S  java
...
```


show process using-most cpu

`show process using-most cpu [file name] [cont] [number]`

Syntax Description	file name	Saves output in a separate file.
	cont	Repeats the command continuously.
	number	Defines the number of processes to display; default is 5.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display a list of the most CPU-intensive processes.

Examples

```
admin:show process using-most cpu
1.4  1  0  S 00:00:33 ./jre/bin/java -Djava.compiler=NONE -cp /usr/StorMan/RaidMan.jar
com.ibm.sysmgmt.raidmgr.agent.ManagementAgent
  1.4  1  0  S 00:00:30 /usr/local/cm/bin/amc /usr/local/cm/conf/amcCfg.xml
  1.6  0  0  S 00:00:38 /usr/local/cm/bin/cmoninit
  3.3  0  0  S 00:01:13 /usr/local/cm/bin/RisDC
  6.0  1  0  S 00:02:16 /home/tomcat/tomcat /home/tomcat/tomcatJlauncherConfig.xml
-Djava.library.path=/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/loca
l/thirdparty/java/j2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/lib:/us
r/local/platform/lib -Xmx512m -Xms256m -DLD_ASSUME_KERNEL
```

show process using-most memory

show process using-most memory [*file name*] [*cont*] [*number*]

Syntax Description

file name	Saves output in a separate file.
cont	Repeats the command continuously.
number	Defines the number of processes to display; default is 5.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display a list of the most memory-intensive processes.

Examples

```
admin: show process using-most memory
75564 /usr/local/cm/bin/cmoninit
75600 /usr/local/cm/bin/cmoninit
76428 /usr/local/cm/bin/cmoninit
117412 /usr/local/cm/bin/cmoninit
148832 /home/tomcat/tomcat /home/tomcat/tomcatJlauncherConfig.xml
-Djava.library.path=/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/local/thirdparty/java/j2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/lib:./usr/local/platform/lib -Xmx512m -Xms256m -DLD_ASSUME_KERNEL=2.2.5 -Djava.end
```

show recordedquality

`show recordedquality recid`

Syntax Description	<i>recid</i>	Recording identification number.
---------------------------	--------------	----------------------------------

Command Modes	Admin
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Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the quality level for a recorded file that is identified by a recording identification number (*recid*). Recording identification numbers can be found in the Recordings Management section of the administrative user interface.

Examples

```
admin:show recordedquality 2009113021152077726258
Highest Detail, Best Motion: 1080p
```

show refreshrate

show refreshrate

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the default spacing between IDRs in the video streams.

Examples

```
admin:show refreshrate
IDRs are spaced 15 seconds apart
```

show snmp trapdests

show snmp trapdests

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the configured Simple Network Management Protocol (SNMP) trap destinations.

Examples

```
admin:show snmp trapdests
1) Host = 64.101.180.49:162 (Version 3)

   Version 3 Options:
     User = TimTrap           PW = authpriv
     Level = authnopriv      hash = md5
     EngineID = 0x80001f8803001a6406bc16

2) Host = 64.101.180.49 (Version 3)

   Version 3 Options:
     User = TimTrap2         PW = authpriv
     Level = authnopriv     hash = md5
     EngineID = 0x80001f8803001a6406bc16
```

show snmp users

show snmp users

Syntax Description None

Command Modes Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the configured Simple Network Management Protocol (SNMP) users and communities.

Examples

admin: **show snmp users**

- | | |
|---------------------|--------------|
| 1) Username: admin | Version: v3 |
| Level: AuthNoPriv | Mode: RW |
| 2) Username: tim | Version: v3 |
| Level: AuthNoPriv | Mode: RW |
| 3) Community: TimRO | Version: v2c |
| Level: n/a | Mode: R |
| 4) Community: TimRW | Version: v2c |
| Level: n/a | Mode: RW |

show stats io

`show stats [file name] [kilo | detail] [page]`

Syntax Description

file <i>name</i>	Saves output information to a file. The file is saved in the following format: <code>platform/cli/<i>name</i>.txt</code> . The <i>name</i> option cannot contain a period (.).
kilo	Shows details statistics in kilobytes.
detail	Shows detailed statistics of every available device on the system. This option overrides kilo option.
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display system I/O statistics of the device.

Examples

```
admin:show stats io kilo file statsiodump
```

show status

show status

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display basic platform status information.

Examples

```
admin:show status
Host Name      : tsbu-ctrs-dev6
Date           : Tue Dec 1, 2009 20:47:30
Time Zone      : Coordinated Universal Time (Etc/UTC)
Locale         : en_US.UTF-8
Product Ver    : 2.0.0.0-44
Platform Ver   : 2.0.0.1-1
License MAC    : 00237D62B15A

Uptime:
20:47:31 up 8 days, 1:04, 3 users, load average: 0.33, 0.35, 0.28

CPU Idle:                                     % System: 00.00%   User: 00.00%
IOWAIT: 00.00%   IRQ: 00.00%   Soft: 00.00%   Intr/sec: 1034.34

Memory Total:      4147676K
  Free:            2954080K
  Used:            1193596K
  Cached:          523412K
  Shared:           0K
  Buffers:         112808K

Disk/active        Total           Free           Used
Disk/inactive     34701384K    31991040K    2357800K (7%)
Disk/inactive     34701352K    32444668K    1904140K (6%)
Disk/logging      705460380K    650848468K    18776524K (3%)

  Buffers:        68972K

Disk/active        Total           Free           Used
Disk/active       4032124K      2117232K      1710064K (45%)
Disk/inactive     4032092K      1857492K      1969776K (52%)
Disk/logging      70438620K    63214064K    3646484K (6%)
```


show syslog facility

show syslog facility

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog default facility used for logging messages.

Examples

```
admin:show syslog facility
Using the local1 facility
```

show syslog heartbeat facility

show syslog heartbeat facility

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat facility used for heartbeat messages.

Examples

```
admin:show syslog heartbeat facility
Using the local1 facility
```

show syslog heartbeat interval

show syslog heartbeat interval

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat interval in minutes.



Note Zero (0) indicates that the syslog heartbeat interval is disabled.

Examples

```
admin:show syslog heartbeat interval
Using the 0 minute interval
```

show syslog heartbeat msg

show syslog heartbeat msg

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat message text.

Examples

```
admin:show syslog heartbeat msg
```

Using the "Syslog heartbeat message" message

show syslog heartbeat severity

show syslog heartbeat severity

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the severity used for syslog heartbeat messages.

Examples

```
admin:show syslog heartbeat severity
Using the 7 severity
```

show syslog timezone

show syslog timezone

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog timezone setting as either local time or GMT/UTC.

Examples

```
admin:show syslog timezone
Using gmt timezone
```

show syslog version

show syslog version

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog output version as either CiscoLog v1.1 or IETF/RFC Syslog Protocol Version 1.

Examples

```
admin:show syslog version
Version is 0, the Ciscolog v1.1 format
```

show tech all

`show tech all [page] [file name]`

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display output from all of the **show tech** commands simultaneously.



Note This command may produce a large output of data.

Examples

```
admin:show tech all file techdump
```


show tech network all

show tech network all [*page*] [*file name*] [*search text*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all of the network-related information associated with the node.

Examples

```
admin:show tech network all
----- show platform network -----

Ethernet Interfaces:
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:5a brd ff:ff:ff:ff:ff:ff
   inet 172.28.70.109/22 brd 172.28.71.255 scope global eth0
   inet6 fe80::223:7dff:fe62:b15a/64 scope link
       valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:58 brd ff:ff:ff:ff:ff:ff
4: sit0: <NOARP> mtu 1480 qdisc noop
   link/sit 0.0.0.0 brd 0.0.0.0

Settings for eth0:
  Supported ports: [ TP ]
  Supported link modes:   10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Supports auto-negotiation: Yes
  Advertised link modes:  10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Advertised auto-negotiation: Yes
  Speed: 1000Mb/s
...
```

show tech network hosts

show tech network hosts [*page*] [*file name*] [*search text*]

Syntax Description	file <i>name</i>	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.
	search <i>text</i>	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes	Admin
---------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display host-related aspects of the device's network.
------------------	---

Examples

```
admin:show tech network hosts
----- show platform network -----

/etc/hosts File:
#This file was generated by the /etc/hosts cluster manager.
#It is automatically updated as nodes are added, changed, removed from the cluster.

127.0.0.1 localhost
::1 localhost
172.28.70.109 tsbu-ctrs-dev6.cisco.com tsbu-ctrs-dev6
```

show tech network interfaces

show tech network interfaces [*page*] [*file name*] [*search text*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display interface-related aspects of the device's network.

Examples

```
admin:show tech network interfaces
----- show platform network -----

Ethernet Interfaces:
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:5a brd ff:ff:ff:ff:ff:ff
   inet 172.28.70.109/22 brd 172.28.71.255 scope global eth0
   inet6 fe80::223:7dff:fe62:b15a/64 scope link
       valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:58 brd ff:ff:ff:ff:ff:ff
4: sit0: <NOARP> mtu 1480 qdisc noop
   link/sit 0.0.0.0 brd 0.0.0.0

Settings for eth0:
  Supported ports: [ TP ]
  Supported link modes:   10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Supports auto-negotiation: Yes
  Advertised link modes:  10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Advertised auto-negotiation: Yes
  Speed: 1000Mb/s
...

```

show tech network resolv

show tech network resolv [*page*] [*file name*] [*search text*]

Syntax Description	file <i>name</i>	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.
	search <i>text</i>	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display specific information from the resolv.conf file for this device.

Examples

```
admin:show tech network resolv
----- show platform network -----

/etc/resolv.conf file
search cisco.com
nameserver 171.70.168.183
```

show tech network routes

`show tech network routes [page] [file name] [search text]`

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display specific route-related information for this device.

Examples

```
admin:show tech network routes
----- show platform network -----

Routes:
172.28.68.0/22 dev eth0 proto kernel scope link src 172.28.70.109
169.254.0.0/16 dev eth0 scope link
default via 172.28.68.1 dev eth0
```

show tech network sockets

show tech network sockets [*page*] [*file name*] [*search text*] [*numeric*]

Syntax Description	file <i>name</i>	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.
	search <i>text</i>	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.
	numeric	Displays ports in numeric format

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the list of open sockets. With the **numeric** option, you can show the numerical addresses of the ports instead of determining symbolic hosts.

Examples

```
admin:show tech network sockets numeric
----- show platform network -----

Network Connections:
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 localhost:9000          localhost:32789        ESTABLISHED
tcp        0      0 localhost:32789        localhost:9000         ESTABLISHED
tcp        0      48 tsbu-kht9.cisco.com:22 sjc-tifox-8712.cisco.c:3445 ESTABLISHED
udp        0      0 localhost:32768        localhost:514          ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags      Type           State      I-Node Path
unix  2      [ ]       DGRAM          16220
/usr/local/platform/conf/clm/unix_socket
unix  2      [ ]       DGRAM          8434  @/var/run/hal/hotplug_socket
unix  2      [ ]       DGRAM          3352  @udevdev
unix  13     [ ]       DGRAM          6581  /dev/log
unix  3      [ ]       DGRAM          6600  /dev/log2
unix  2      [ ]       DGRAM          2049109
unix  3      [ ]       STREAM        CONNECTED  2043836
unix  3      [ ]       STREAM        CONNECTED  2043835
unix  2      [ ]       DGRAM          252061
unix  2      [ ]       DGRAM          251977
unix  2      [ ]       DGRAM          251967
unix  2      [ ]       DGRAM          16316
unix  2      [ ]       DGRAM          16222
...
```

show tech runtime all

show tech runtime all [*page*] [*file name*]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all of the **show tech runtime** information simultaneously, including environment variables, disk, memory and CPU.

Examples

```
admin:show tech runtime all
----- show platform runtime -----

Environment variables:
TOMCAT_HOME=/usr/local/thirdparty/jakarta-tomcat
SERVER_LOCALE=en_us.utf8
HOSTNAME=tsbu-ctrs-dev6
SR_AGT_CONF_DIR=/usr/local/Snmpri/conf
SHELL=/usr/local/platform/bin/cliscript.sh
TERM=vt100
CATALINA_HOME=/usr/local/thirdparty/jakarta-tomcat
INFORMIXTMP=/usr/local/ctis/db/informix/tmp
...

The disk usage:
Filesystem      Size  Used Avail Use% Mounted on
/dev/cciss/c0d0p2  34G  2.3G   31G   7% /
/dev/cciss/c0d0p1  34G  1.9G   31G   6% /partB
/dev/cciss/c0d1p1 673G  18G  621G   3% /common
none            2.0G    0   2.0G   0% /dev/shm
...

Total memory (RAM+swap) usage (in KB):
      total      used      free   shared  buffers  cached
Mem:    4147676  1198220  2949456        0   112828  524952
-/+ buffers/cache:    560440  3587236
Swap:    2048248        0   2048248
Total:   6195924  1198220  4997704

The processor usage :
top - 21:53:33 up 8 days,  2:10,  3 users,  load average: 0.30, 0.32, 0.27
Tasks: 138 total,  1 running, 137 sleeping,   0 stopped,   0 zombie
...
```

show tech runtime cpu

show tech runtime cpu [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the CPU usage at the time the command is executed.

Examples

```
admin:show tech runtime cpu
----- show platform runtime -----

The processor usage :
top - 21:59:15 up 8 days,  2:16,  3 users,  load average: 0.31, 0.31, 0.27
Tasks: 137 total,   1 running, 136 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.1% us,  0.0% sy,  0.0% ni, 99.9% id,  0.0% wa,  0.0% hi,  0.0% si
Mem:   4147676k total, 1197636k used, 2950040k free, 112828k buffers
Swap:  2048248k total,    0k used, 2048248k free, 524952k cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+  COMMAND
    1 root        16   0   2552   652   560  S   0.0   0.0   0:01.48  init
    2 root         RT   0     0     0     0  S   0.0   0.0   0:00.09  migration/0
    3 root         34  19     0     0     0  S   0.0   0.0   0:00.01  ksoftirqd/0
    4 root         RT   0     0     0     0  S   0.0   0.0   0:00.03  migration/1
    5 root         34  19     0     0     0  S   0.0   0.0   0:00.00  ksoftirqd/1
    6 root         RT   0     0     0     0  S   0.0   0.0   0:00.02  migration/2
    7 root         34  19     0     0     0  S   0.0   0.0   0:00.01  ksoftirqd/2
    8 root         RT   0     0     0     0  S   0.0   0.0   0:00.01  migration/3
    9 root         34  19     0     0     0  S   0.0   0.0   0:00.00  ksoftirqd/3
   10 root         RT   0     0     0     0  S   0.0   0.0   0:00.02  migration/4
   11 root         34  19     0     0     0  S   0.0   0.0   0:00.00  ksoftirqd/4
   12 root         RT   0     0     0     0  S   0.0   0.0   0:00.01  migration/5
   13 root         34  19     0     0     0  S   0.0   0.0   0:00.00  ksoftirqd/5
   14 root         RT   0     0     0     0  S   0.0   0.0   0:00.01  migration/6
   15 root         34  19     0     0     0  S   0.0   0.0   0:00.00  ksoftirqd/6
   16 root         RT   0     0     0     0  S   0.0   0.0   0:00.03  migration/7
   17 root         34  19     0     0     0  S   0.0   0.0   0:00.01  ksoftirqd/7
```


show tech runtime disk

show tech runtime disk [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the system.

Examples

```
admin:show tech runtime disk
----- show platform runtime -----

The disk usage:
Filesystem      Size  Used Avail Use% Mounted on
/dev/cciss/c0d0p2  34G  2.3G   31G   7% /
/dev/cciss/c0d0p1  34G  1.9G   31G   6% /partB
/dev/cciss/c0d1p1 673G  18G  621G   3% /common
none            2.0G    0   2.0G   0% /dev/shm
/dev/cciss/c0d0p3 251M  11M  228M   5% /grub
/dev/cciss/c0d0p6   67G   85M   63G   1% /spare
/dev/cciss/c0d1p1 673G  18G  621G   3% /common/media
```

show tech runtime env

`show tech runtime env [page] [file name]`

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display runtime environment variables.

Examples

```
admin:show tech runtime env
Environment variables:
TOMCAT_HOME=/usr/local/thirdparty/jakarta-tomcat
SERVER_LOCALE=en_us.utf8
HOSTNAME=tsbu-ctrs-dev6
SR_AGT_CONF_DIR=/usr/local/Snmpri/conf
SHELL=/usr/local/platform/bin/cliscript.sh
TERM=vt100
CATALINA_HOME=/usr/local/thirdparty/jakarta-tomcat
INFORMIXTMP=/usr/local/ctis/db/informix/tmp
HISTSIZE=1000
SSH_CLIENT=::ffff:171.70.13.148 4385 22
INFORMIXDIR=/usr/local/ctis/db/informix
JBoss_HOME=/usr/local/thirdparty/jboss
SSH_TTY=/dev/pts/0
CLIENT_LOCALE=en_us.utf8
TOMCAT_CLASSPATH=/usr/local/thirdparty/java/bcprov-jdk15-138.jar:/usr/local/platform/jar/xalan.jar:/usr/local/platform/jar/certMgmt.jar:/usr/local/platform/jar/certMonitor.jar:/usr/local/platform/jar/Iproduct.jar:/usr/local/platform/jar/Ihardware.jar:/usr/local/platform/jar/CiscoIPSec.jar:/usr/local/platform/jar/ciscoCmd.jar:/usr/local/platform/jar/ciscoComm on.jar:/usr/local/platform/jar/platform-api.jar:/common/download:/usr/local/platform/appli cation_locale/platform-api:/usr/local/platform/application_locale/cmplatfom:/usr/local/cm /jar/commons-logging.jar
USER=admin
LS_COLORS=no=00;fi=00;di=01;34:ln=01;36:pi=40;33:so=01;35:bd=40;33;01:cd=40;33;01:or=01;05 ;37;41:mi=01;05;37;41:ex=01;32:*.cmd=01;32:*.exe=01;32:*.com=01;32:*.btm=01;32:*.bat=01;32 :*.sh=01;32:*.csh=01;32:*.tar=01;31:*.tgz=01;31:*.arj=01;31:*.taz=01;31:*.lzh=01;31:*.zip= 01;31:*.z=01;31:*.Z=01;31:*.gz=01;31:*.bz2=01;31:*.bz=01;31:*.tz=01;31:*.rpm=01;31:*.cpio= 01;31:*.jpg=01;35:*.gif=01;35:*.bmp=01;35:*.xbm=01;35:*.xpm=01;35:*.png=01;35:*.tif=01;35:
LD_LIBRARY_PATH=/usr/local/thirdparty/java/jdk1.5.0_17/jre/lib/i386/server:/usr/local/thir dparty/java/jdk1.5.0_17/jre/lib/i386:/usr/local/thirdparty/java/jdk1.5.0_17/jre/./lib/i38 6:/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/local/thirdparty/java/
...
```

show tech runtime memory

show tech runtime memory [*page*] [*file name*]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes	Admin
---------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display runtime memory information.
------------------	---

Examples

```
admin:show tech runtime memory
----- show platform runtime -----

Total memory (RAM+swap) usage (in KB):
      total      used      free      shared      buffers      cached
Mem:    4147676  1199348  2948328         0      112844      525716
-/+ buffers/cache:    560788  3586888
Swap:    2048248         0      2048248
Total:   6195924  1199348  4996576
```

show tech system all

show tech system all [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all of the information associated with **show tech system** commands simultaneously, including bus, hardware, host, kernel, software and tools.

Examples

```
admin:show tech system all
----- show platform system -----

Host related info:

Machine Name: tsbu-ctrs-dev6.cisco.com
Tue Dec 1 22:10:31 UTC 2009 - up for 8 days 2:27
Locale LANG=en_US.UTF-8

Software Release Version: 2.0.0.0-44
Platform Release Version: 2.0.0.1-1

Hardware Model: 7845H2
Processors      : 2
Type           : Family: Xeon
...

software: system versions
java version "1.5.0_17"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_17-b04)
...

Tomcat "6.0.20-0"

Linux Kernel modules loaded:
Module          Size Used by
ipt_REDIRECT    6209 2
deflate         7617 0
...
```

show tech system bus

show tech system bus [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display bus-related system information.

Examples

```
admin: show tech system bus
----- show platform system -----

Hardware: pci bus devices summary
00:00.0 Host bridge: Intel Corporation 5000P Chipset Memory Controller Hub (rev b1)
00:02.0 PCI bridge: Intel Corporation 5000 Series Chipset PCI Express x4 Port 2 (rev b1)
00:03.0 PCI bridge: Intel Corporation 5000 Series Chipset PCI Express x4 Port 3 (rev b1)
00:10.0 Host bridge: Intel Corporation 5000 Series Chipset FSB Registers (rev b1)
00:1c.0 PCI bridge: Intel Corporation 631xESB/632xESB/3100 Chipset PCI Express Root Port 1
(rev 09)
00:1f.0 ISA bridge: Intel Corporation 631xESB/632xESB/3100 Chipset LPC Interface
Controller (rev 09)
00:1f.1 IDE interface: Intel Corporation 631xESB/632xESB IDE Controller (rev 09)
01:03.0 VGA compatible controller: ATI Technologies Inc ES1000 (rev 02)
01:04.0 System peripheral: Compaq Computer Corporation Integrated Lights Out Controller
(rev 03)
01:04.4 USB Controller: Hewlett-Packard Company Proliant iLO2 virtual USB controller
01:04.6 IPMI SMIC interface: Hewlett-Packard Company Proliant iLO2 virtual UART
02:00.0 PCI bridge: Broadcom EPB PCI-Express to PCI-X Bridge (rev c3)
03:00.0 Ethernet controller: Broadcom Corporation NetXtreme II BCM5708 Gigabit Ethernet
(rev 12)
04:00.0 PCI bridge: Broadcom EPB PCI-Express to PCI-X Bridge (rev c3)
05:00.0 Ethernet controller: Broadcom Corporation NetXtreme II BCM5708 Gigabit Ethernet
(rev 12)
06:00.0 RAID bus controller: Hewlett-Packard Company Smart Array Controller (rev 04)
09:00.0 PCI bridge: Intel Corporation 6311ESB/6321ESB PCI Express Upstream Port (rev 01)

Hardware: USB bus devices summary
Bus 006 Device 001: ID 0000:0000
Bus 005 Device 003: ID 03f0:1327 Hewlett-Packard
Bus 005 Device 002: ID 03f0:1027 Hewlett-Packard

Hardware: bus devices detail
...
```

show tech system hardware

show tech system hardware [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display hardware-related system information.

Examples

```
admin:show tech system hardware
----- show platform system -----

Hardware Model: 7845H2
Processors      : 2
Type           : Family: Xeon
Speed          : 2333 MHz
Memory         : 4096 MB
```

show tech system host

`show tech system host [page] [file name]`

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes	Admin
---------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display host-related system information.
------------------	--

Examples

```
admin:show tech system host
----- show platform system -----

Host related info:

Machine Name: tsbu-ctrs-dev6.cisco.com
Tue Dec 1 22:18:35 UTC 2009 - up for 8 days 2:35
Locale LANG=en_US.UTF-8
```

show tech system kernel modules

show tech system kernel modules [page] [file name]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the kernel modules installed.

Examples

```
admin:show tech system kernel modules
----- show platform system -----

Linux Kernel modules loaded:
Module           Size  Used by
ipt_REDIRECT     6209  2
deflate          7617  0
zlib_deflate     24793  1 deflate
twofish          41025  0
serpent          17729  0
aes              32641  0
blowfish         14273  0
des              15809  0
sha256           13377  0
crypto_null      6337   0
af_key           34513  2
mptctl           37573  4
mptbase          68257  1 mptctl
sg               38369  0
hpilo            13836  6
ipmi_si          39904  2
ipmi_devintf     13448  4
ipmi_msghandler  33644  2 ipmi_si,ipmi_devintf
i2c_dev          14529  0
i2c_core         26305  1 i2c_dev
iptables_nat     27613  2 ipt_REDIRECT
ipt_LOG          10177  1
ipt_limit        6465   2
ipt_state        5953   2
ip_contrack      46085  2 iptable_nat,ipt_state
iptables_filter  6977   1
ip_tables        23105  6
ipt_REDIRECT, iptable_nat, ipt_LOG, ipt_limit, ipt_state, iptable_filter
...
```


show tech system software

`show tech system software [page] [file name]`

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display system-related software information.

Examples

```
admin:show tech system software
----- show platform system -----

Software Release Version: 2.0.0.0-44
Platform Release Version: 2.0.0.1-1
```

show tech system tools

show tech system tools [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display system-related tools information.

Examples

```
admin:show tech system tools
----- show platform system -----

software: system versions
java version "1.5.0_17"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_17-b04)
Java HotSpot(TM) Server VM (build 1.5.0_17-b04, mixed mode)

Tomcat "6.0.20-0"
```

show timezone

show timezone {config | list}

Syntax Description

config	Displays the current timezone setting.
list	Lists all available timezones.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the current timezone settings or to display a list of all available timezones in long format.



Note

The first value is the timezone index, which may be used to set a new timezone using the set timezone command. You can also use the time zone name.

Examples

```
admin:show timezone config
Current timezone: Coordinated Universal Time
```

```
admin:show timezone list

 0 - (GMT-12:00) Eniwetok, Kwajalein
 1 - (GMT-11:00) Midway Island, Samoa
 2 - (GMT-10:00) Hawaii
```

```
Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
```

The numbers in first column 0, 1, 2 represent index that can be used in set timezone command

```
 0 - (GMT-12:00) Eniwetok, Kwajalein
 1 - (GMT-11:00) Midway Island, Samoa
 2 - (GMT-10:00) Hawaii
 3 - (GMT-09:00) Alaska
 4 - (GMT-08:00) Pacific Time (US & Canada)
 5 - (GMT-07:00) Arizona
 6 - (GMT-07:00) Mountain Time (US & Canada)
 7 - (GMT-06:00) Central Time (US & Canada)
 8 - (GMT-06:00) Central America
 9 - (GMT-06:00) Saskatchewan
10 - (GMT-06:00) Mexico City
...
```

show users

show users

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the users registered on this device.

Examples

```
admin:show users

Users:
Guest - Anonymous
```

show version

show version {active | inactive}

Syntax Description	active	inactive
	Displays the version number of the software on the active partition.	Displays the version number of the software on the inactive partition.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display information about the version number of the software on the inactive or active partition.

Examples

```
admin:show version active
Active Master Version: 1.1.1.0-30
```

```
Active Version Installed Software Options:
No Installed Software Options Found.
```

```
admin:show version inactive
Inactive Master Version: 1.6.0.0-213
```

```
Inactive Version Installed Software Options:
No Installed Software Options Found.
```

show videoquality

`show videoquality`

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the default video quality.

Examples

```
admin:show videoquality
Video Quality: Highest Detail, Best Motion: 1080p
```

show workingdir

show workingdir

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the current working directories for activelog, inactivelog, and the TFTP system directories.

Examples admin:**show workingdir**

```
activelog : <not set, using default path>
inactivelog : <not set, using default path>
tftp : <not set, using default path>
```

■ show workingdir