



CHAPTER 5

CTRS Show Commands

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**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	<pre>admin:show activesessions recordings Setting active types to recordings *****Active Call(s) ***** *****</pre>
-----------------	--

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
----------------------	-------

Command History	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	<pre>admin: show diskalertthreshold Disk Alert Threshold: 80 Alert Admin at Email:</pre>
-----------------	--

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

<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 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	<pre>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)?</pre>
----------	---

show diskusage install

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

Syntax Description

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

<i>file fname</i>	Save output in a file format. The file will be saved as platform/cli/fname.
<i>directory</i>	View directories only in 1024 byte blocks.
<i>sort</i>	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 diskspace left.
-------------------------	---

Examples	<pre>admin:show diskspace left Disk Space: 621G</pre>
-----------------	---

show diskspace used

show diskspace used

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 diskspace used.
-------------------------	---

Examples	<pre>admin:show diskspace used Disk Space: 18G</pre>
-----------------	--

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	<pre>admin:show hdcapable HD Capability: Enabled</pre>
----------	--

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	<pre>admin:show ldcapable CIF Capability: Enabled</pre>
-----------------	---

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.
---------------------------	---------------	---

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

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	<code>admin:show mediasecurity</code>
-----------------	---------------------------------------

show myself

show myself

Syntax Description	None
---------------------------	------

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

Command History	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	<pre>admin:show myself Machine Name : tsbu-ctrs-dev6 account name : admin privilege level : 4 command count : disabled logging setting : disabled</pre>
-----------------	---

show network all

show network all

Syntax Description None

Command Modes Admin

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

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	<pre>admin:show network failover Network Fault Tolerance is not configured.</pre>
----------	---

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

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	tcp	1533	public	-	enabled	database
partA port	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports	udp	32768:61000	public	-	enabled	generic
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						

show network ipprefs public

show network ipprefs public

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 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
ntpd	udp	123	public	-	enabled	network time
sync	tcp	1533	public	-	enabled	database
partA port	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports	udp	32768:61000	public	-	enabled	generic
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						

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	<i>search 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.
--------------------	--------------------	--

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	
/usr/local/platform/conf/clm/unix_socket						
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)
racoon	9603	root	7u	IPv6	27678		UDP	[fe80::223:7dff:fe62:b15a]:isakmp
racoon	9603	root	8u	IPv6	27680		UDP	:::isakmp
racoon	9603	root	9u	IPv4	27681		UDP	172.28.70.109:isakmp
racoon	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 <i>string</i> value.	
Examples	<pre> 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) </pre>	

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/cdpd -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 <i>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 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.
	<i>file name</i>	Saves output in a separate file.
	<i>cont</i>	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	<pre>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*</pre>	

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.sysmgt.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
---------------	-------

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 (<i>recid</i>). Recording identification numbers can be found in the Recordings Management section of the administrative user interface.
------------------	--

Examples	<pre>admin:show recordedquality 2009113021152077726258 Highest Detail, Best Motion: 1080p</pre>
----------	---

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	<pre>admin:show refreshrate</pre> 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: platform/cli/ <i>name</i> .txt. 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

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

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

      Buffers:      68972K

      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	<pre>admin:show syslog facility Using the local1 facility</pre>
----------	---

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
----------------------	-------

Command History	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	<pre>admin:show syslog heartbeat msg</pre> 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	<pre>admin:show syslog heartbeat severity</pre> 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	<pre>admin:show syslog version Version is 0, the Ciscolog v1.1 format</pre>
-----------------	---

show tech all

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

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.

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 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.
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/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 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 <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 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 <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 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/x
alan.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/cmplatform:/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/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 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 <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.

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_conntrack          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 <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.

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	<pre>admin:show users Users: Guest - Anonymous</pre>
-----------------	--

show version

show version {active | inactive}

Syntax Description	active	Displays the version number of the software on the active partition.
	inactive	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	<pre>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.</pre>
----------	--

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	<pre>admin:show workingdir activelog : <not set, using default path> inactivelog : <not set, using default path> tftp : <not set, using default path></pre>
-----------------	--

■ show workingdir