C H A P T E R 7

Show Commands

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This chapter contains the following **show** commands:

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show account

show account

Syntax Description   None

Command Modes   Admin

Command privilege level: 4

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	The command was first introduced.

Usage Guidelines   This command lists current administrator accounts, except the master administrator account.

Examples

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

show accountlocking

show accountlocking

Syntax Description   None

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines   This command shows the current account locking settings.

Examples

```
admin:show accountlocking
Account Lockout is enabled and unlock time is set to 300 seconds
```

show cert list

show cert list {own | trust}

Syntax Description

own	Display digital security certificates owned by the CTMS
trust	Display digital security certificates trusted by the CTMS

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display a list of digital security certificates installed and accepted on the CTS.

Examples

```
admin:show cert list own

tomcat/tomcat.pem:
ipsec/ipsec.pem:
```

Example with **trust** keyword:

```
admin:show cert list trust

tomcat-trust/mygroup-lab1-cts.cisco.com.pem:
```

show cert own

show cert own *name*

Syntax Description	*name*	The name of the digital security certificate

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display a digital security certificate owned by the CTS.

Examples   admin:**show cert own tomcat/tomcat.pem**

show cert trust

show cert trust *name*

Syntax Description	*name*	The name of the digital security certificate

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display a digital security certificate trusted by the CTS.

Examples   admin:**show cert trust xxxxx**

show cli pagination

show cli pagination

Syntax Description   None

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines   This command shows the status of automatic pagination.

Examples

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

show csr list

show csr list own

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display a list of active Certificate Signing Requests (CSRs) requesting digital security certificates from a Certificate Authority Proxy Function (CAPF) server.

Examples   admin:**show csr list own**

tomcat/tomcat.csr

show csr own

show csr own *name*

Syntax Description

name	The name of the Certificate Signing Request (CSR)

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display a Certificate Signing Request (CSR) requesting a digital security certificate from a Certificate Authority Proxy Function (CAPF) server.

Examples
```
admin:show csr own tomcat/tomcat.csr
-----BEGIN CERTIFICATE REQUEST-----
MIIDBwCCAewCAQAweDEhMB8GA1UEAwwYdHNidS1kb2NzLWN0bXuY2lzY28uY29t
MQ0wCwYDVQQLDARUU0JVMQ4wDAYDVQQKDAVDaXNjbzESMBAGA1UEBwwJU3Vubl2
YWxlMRMwEQYDVQQIDApDYWxpZm9ybmlhMQswCQYDVQQGEwJVUzCCASIwDQYJKoZI
hvcNAQEBBQADggEPADCCAQoCggEBAJ9TxvkOi1uwnN29T05b9gjEGMi2u6pHZJ8b
yGaxibrZDjLftsw3uRsmzPj/7zMXCzBNQLY21yi5gFL3gCn1grIW4LaBzNSpazOW
OQrRMEnB0pEuu7YF1vvVryhPjtbZG1sjdy2L+N1qStyI9EuqhgOmJQHTagTYluFY
lxl/qsWZhgm1NuUMgpeFb4nfs4c2paRgxf0zJCb1fXxVh6QsOZANcj9m1nLslafz
q6wQ1R+8e6IZJQUWtOAGDIDOOmbjudlU1xI8SvRzJr7PLdm2uDYZb7BrdYotoS+t
USbVHJRXewgN1GsoRoF1ZgXnVBPhXvgJmdBX8ZKLtke+EEsP89UCAwEAAaBHMEUG
CSqGSIb3DQEJDjE4MDYwCwYDVR0PBAQDAgK8MCcGA1UdJQQgMB4GCCsGAQUFBwMB
BggrBgEFBQcDAgYIKwYBBQUHAwUwDQYJKoZihvcNAQEFBQADggEBABT3IVWOrzwf
TI2izW0LpMEVdxQ3bI8sUGKj4jNQ0lTwtvjN4u5MFMHq6SrGKVzzNI9xaERojaRD
8G6OLNmx2QtzKY15vdJoL1+TiE/D+5tEejtGsi8LIaYCLBMvReyP7PBPl4vswQ0g
M2PIoP+tLefnMayg4szAWafaQWWsJsfS4q1DgfqgRFR6Bi3o2KuytXuIh6av6HYr
3ie1AODnZL9BiirYaz4Nk4JdG2zTd4RcWBoTHMd3Av3y90DwvLIrXqbYt5+iLjRl
Ms8GugodMWY1KtGFTPCJgemdFPVIFBJdfTpGr/pdwThPQAKXKvXE5VuvEpJMJQWU
4vRrp/HFZiw=
-----END CERTIFICATE REQUEST-----
```

show date

show date

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display the time and date configured on the server.

Examples
```
admin:show date
Tue Aug 16 20:37:48 UTC 2011
```

show diskusage activelog

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

Syntax Description

file *fname*	Saves output in a file format.
directory	Shows directory sizes only.
sort	Sorts output by size (in 1024-byte blocks).

Command Modes

Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines

This command displays the disk usage of the active log directories, as well as the usage of the disk partition on which they exist.

Note   The saved output file can be viewed using **file view activelog** command.

Examples

```
admin:show diskusage activelog directory
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?y
Filesystem            Size  Used Avail Use% Mounted on
/dev/sdb1             134G   35G   93G  28% /common
1.3M    /var/log/active/mrtg/mrtg.war
1.8M    /var/log/active/mrtg
8.0K    /var/log/active/ctis/tmp
4.0K    /var/log/active/ctis/cdm/logs/statistic
44K     /var/log/active/ctis/cdm/logs
48K     /var/log/active/ctis/cdm
4.0K    /var/log/active/ctis/report
4.0K    /var/log/active/ctis/te/logs/statistic
432K    /var/log/active/ctis/te/logs
436K    /var/log/active/ctis/te
4.0K    /var/log/active/ctis/trace
4.0K    /var/log/active/ctis/clustermgr/logs/statistic
```

show diskusage common

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

file *fname*	Saves output in a file format.
directory	Shows directory sizes only.
sort	Sorts output by size (in 1024-byte blocks).

Command Modes

Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines

This command displays the disk usage of the common directories, as well as the usage of the disk partition on which they exist.

Note The saved output file can be viewed using **file view activelog** command.

Examples

```
admin:show diskusage common directory
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?y
Filesystem            Size  Used Avail Use% Mounted on
/dev/sdb1             134G   35G   93G  28% /common
863M    /common/rpm-archive/1.7.0.0-693/RPMS
863M    /common/rpm-archive/1.7.0.0-693
40K     /common/rpm-archive/1.7.0.0-711/.security/admin
276K    /common/rpm-archive/1.7.0.0-711/.security/install_file_signing/xml_public_keys
280K    /common/rpm-archive/1.7.0.0-711/.security/install_file_signing
12K     /common/rpm-archive/1.7.0.0-711/.security/pwrecovery
224K    /common/rpm-archive/1.7.0.0-711/.security/tomcat
28K     /common/rpm-archive/1.7.0.0-711/.security/drf
68K     /common/rpm-archive/1.7.0.0-711/.security/system
96K     /common/rpm-archive/1.7.0.0-711/.security/ipsec
16K     /common/rpm-archive/1.7.0.0-711/.security/accounts/ctis/conf
24K     /common/rpm-archive/1.7.0.0-711/.security/accounts/ctis
16K     /common/rpm-archive/1.7.0.0-711/.security/accounts/conf
20K     /common/rpm-archive/1.7.0.0-711/.security/accounts/ccm/conf
```

show diskusage inactivelog

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

file *fname*	Saves output in a file format.
directory	Shows directory sizes only.
sort	Sorts output by size (in 1024-byte blocks).

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines   This command displays the disk usage of the inactive log directories, as well as the usage of the disk partition on which they exist.

Note   The saved output file can be viewed using **file view inactivelog** command.

Examples
```
admin:show diskusage inactivelog directory
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?y
Filesystem              Size  Used Avail Use% Mounted on
/dev/sdb1               134G   35G   93G  28% /common
1.3M    /var/log/inactive/mrtg/mrtg.war
1.5M    /var/log/inactive/mrtg
8.0K    /var/log/inactive/ctis/tmp
4.0K    /var/log/inactive/ctis/cdm/logs/statistic
248K    /var/log/inactive/ctis/cdm/logs
252K    /var/log/inactive/ctis/cdm
8.0K    /var/log/inactive/ctis/report
4.0K    /var/log/inactive/ctis/te/logs/statistic
292K    /var/log/inactive/ctis/te/logs
296K    /var/log/inactive/ctis/te
8.0K    /var/log/inactive/ctis/trace
4.0K    /var/log/inactive/ctis/clustermgr/logs/statistic
```

show diskusage install

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

file *fname*	Saves output in a file format.
directory	Shows directory sizes only.
sort	Sorts output by size (in 1024-byte blocks).

Command Modes

Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines

This command displays the disk usage of the install directories, as well as the usage of the disk partition on which they exist.

Note   The saved output file can be viewed using **file view install** command.

Examples

```
admin:show diskusage install directory
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?y
Filesystem            Size  Used Avail Use% Mounted on
/dev/sdb1             134G   35G   93G  28% /common
128K    /var/log/install/hssi_errors
4.0M    /var/log/install/
```

show diskusage tmp

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

file *fname*	Saves output in a file format.
directory	Shows directory sizes only.
sort	Sorts output by size (in 1024-byte blocks).

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines   This command displays the disk usage of the temporary directories, as well as the usage of the disk partition on which they exist.

Note   The saved output file can be viewed using **file view activelog** command.

Examples
```
admin:show diskusage tmp directory
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?y
Filesystem            Size  Used Avail Use% Mounted on
/dev/sda2             3.9G  2.4G  1.5G  62% /
4.0K    /tmp/hsperfdata_certmgr
4.0K    /tmp/hsperfdata_root
4.0K    /tmp/.ICE-unix
4.0K    /tmp/hssi_errors
4.0K    /tmp/hsperfdata_admin
4.0K    /tmp/hsperfdata_informix
44K     /tmp/
```

show environment

show environment [fans | power-supply | temperatures]

fans	Shows the status of the fan sensors.
power-supply	Shows the status of the power supply for MCS-7845, MCS-7835, MCS-7825H3/H4, and MCS-7816H3 servers models (those with redundant power supplies or embedded health hardware).
temperatures	Shows the status of the temperature sensors.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	The command was first introduced.

Usage Guidelines   This command displays the status of system sensors and the power supply.

Examples

```
admin:show environment fans
(RPMS)                  Non-Critical  Critical
                        Threshold     Threshold
     ID        Current  Lower         Lower      Status
Fan Sensor 1   3240     664           664        OK
Fan Sensor 2   3240     664           664        OK
Fan Sensor 3   3300     664           664        OK
Fan Sensor 4   3240     664           664        OK


admin:show environment power-supply
Power supply #1
       Present  : Yes
       Redundant: No
       Condition: Ok
       Hotplug  : Not supported

admin:show environment temperatures
(Celcius)                     Non-Critical      Critical
                              Threshold         Threshold
     ID            Current  Lower  Upper    Lower  Upper  Location
Temperature Sensor 1   20     79     80      81     85      5
Temperature Sensor 3   24     79     80      81     85      2
Temperature Sensor 4   17     50     51      52     54      4
```

show hardware

show hardware

Syntax Description   None.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	The command was first documented.

Usage Guidelines   This command displays the following information on the platform hardware:

- Platform
- Serial number
- BIOS build level
- BIOS manufacturer
- Active processors
- RAID controller status

Examples
```
admin:show hardware
HW Platform      : 7845I3
Processors       : 1
Type             : Intel(R) Xeon(R) CPU          E5540  @ 2.53GHz
CPU Speed        : 2530
Memory           : 6144 MBytes
Object ID        : 1.3.6.1.4.1.9.1.587
OS Version       : UCOS 4.0.0.0-31
Serial Number    : KQVTBZB

RAID Version     :
Raid firmware version: 11.0.1-0014

BIOS Information  :
IBMCorp. -[D6E128DUS-1.03]- 09/30/2009
```

show logins

show logins *number*

Syntax Description

number	Specifies the number of most recent logins to display. The default equals 20.

Command Modes   Admin

Command privilege level: 1

Command History

Release	Modifications
1.2	The command was first documented.

Usage Guidelines   This command lists recent logins to the server

Examples

```
admin:show logins 3
admin    pts/0      128.107.103.52   Wed Oct 13 00:05   still logged in
admin    pts/1      128.107.103.52   Tue Oct 12 23:19 - 23:54  (00:34)
admin    pts/1      128.107.103.52   Tue Oct 12 22:42 - 23:13  (00:30)
```

show memory

show memory {count | modules | size}

Syntax Description

count	Display the total number of physical modules available on the system
modules	Lists the memory modules installed on the system
size	Display the total memory available to the system

Command Modes   Admin

Command History

Release	Modifications
1.8	The command was first documented.

Usage Guidelines   Use this command to display statistics about memory modules on the system.

Examples
```
admin:show memory count

Total number of modules: 4


admin:show memory modules
Slot    Type    Size  Status
0       DIMM    1.0GB Ok
1       DIMM    1.0GB Ok

admin:show memory size
Total size of memory: 6.0 GB
```

show myself

show myself

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	The command was first documented.

Usage Guidelines   This command displays information about the current account.

Examples

```
admin:show myself
Your account name is    : test
Your privilege level is : 1
```

show network

show network

eth0 [**detail**] [**search** *stext*]

failover [**detail**] [**page**]

route [**detail**] [**search** *stext*]

status [**detail**] [**listen**] [**process**] [**all**] [**nodns**] [**search** *stext*]

ip_conntrack

ipprefs [**all | enabled | public**]

max_ip_conntrack

dhcp eth0 status

all [**detail**] [**page**] [**search** *stext*]

Options

- **detail**—Displays additional information.
- **page**—Displays information 1 page at a time.
- **listen**—Displays only listening sockets
- **process**—Displays the process ID and name of the program to which each socket belongs.
- **all**—Displays both listening and nonlistening sockets.
- **nodns**—Displays numerical addresses without any DNS information.
- **search** —Searches for the *stext* in the output.

Syntax Description

eth0	Specifies Ethernet 0
failover	Specifies Network Fault Tolerance information
route	Specifies network routing information.
status	Specifies active Internet connections.
ipprefs	Specifies incoming open port information
ip_conntrack	Specifies ip_conntrack usage information.
max_ip_conntrack	Specifies max_ip_conntrack information.
dhcp eth0 status	Displays DHCP status information.
all	Specifies all basic network information.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History	Release	Modification
	1.2	This command was first documented.

Usage Guidelines   This command displays network information.

The **eth0** parameter displays Ethernet port 0 settings, including DHCP and DNS configurations and options.

Examples   This example displays active Internet connections.

```
admin: show network status
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address              Foreign Address          State
tcp        0      0 localhost:8009             localhost:47637          ESTABLISHED
tcp        0      0 localhost:8009             localhost:47630          ESTABLISHED
tcp        0      0 tsbu-docs-ctm.cisco.com:tsbu_docs_ctm_ctis1_7_0_0_711
tsbu-docs-ctm.cisco.c:47388 ESTABLISHED
tcp        0      0 localhost:8009             localhost:47622          ESTABLISHED
```

show open

show open

files [**all**] [**process** *processID*] [**regexp** *reg_exp*]

ports [**all**] [**regexp** *reg_exp*]

Options

- **all**—Displays all open files or ports.
- **process**—Displays open files that belong to the specified process.
- *processID*—Specifies a process.
- **regexp**—Displays open files or ports that match the specified regular expression.
- *reg_exp*—Represents a regular expression.

Syntax Description

files	Displays open files on the system.
ports	Displays open ports on the system.

Command Modes

Admin

Command privilege level: 1

Command History

Release	Modification
1.2	This command was first documented.

Usage Guidelines

This command displays open files and ports on the system.

Examples

```
admin:show open files all
Executing.. please wait.
COMMAND     PID     USER   FD     TYPE     DEVICE        SIZE       NODE NAME
init         1      root   cwd     DIR      8,2          4096          2 /
init         1      root   rtd     DIR      8,2          4096          2 /
init         1      root   txt     REG      8,2         31216     112304 /sbin/init
init         1      root   mem     REG      8,2       1539036     368826
/lib/tls/libc-2.3.4.so
init         1      root   mem     REG      8,2         55000     368858
/lib/libselinux.so.1
init         1      root   mem     REG      8,2         52400     368869
/lib/libsepol.so.1
init         1      root   mem     REG      8,2        110984     368751 /lib/ld-2.3.4.so
init         1      root   10u    FIFO      0,12                     1262 /dev/initctl
migration    2      root   cwd     DIR      8,2          4096          2 /
migration    2      root   rtd     DIR      8,2          4096          2 /
migration    2      root   txt  unknown                                  /proc/
```

show packages

show packages

active *name* [**page**]

inactive *name* [**page**]

page	Displays the output one page at a time.
name	Represents the package name. To display all active or inactive packages, use the wildcard character, *.

Syntax Description appears as section label.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	This command was first documented.

Usage Guidelines   This command displays the name and version for installed packages.

Note   The package name given will be used to perform a regular expression match for all possible packages. Use * for all packages.

Examples
```
admin:show packages active jdk
Active Side Package(s): for jdk package(s)
jdk-1.5.0_14-fcs
```

show password age

show password age

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays the value of the maximum and minimum password age for Cisco Unified CM OS admin accounts in days.

Examples

```
admin:show password age
Maximum Password Age is : 99999 days
Minimum Password Age is : 0 days
```

show password complexity character

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays whether or not the password complexity feature is enabled or disabled.

When enabled, passwords will need to meet the following guidelines:

- At least one lower-case character,
- At least one uppercase, one digit and one special character.
- A string of adjacent characters on the keyboard will not be accepted.
- Any of the previous ten passwords cannot be reused.
- The admin user password can only be changed only once in 24 hours.

Examples

```
admin:show password complexity character
Password complexity for characters to be used in the OS user passwords is disabled.
Therefore passwords does not need to have a mixture of numbers, special characters,
capital and small letters.
```

show password complexity length

show password complexity length

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays the password minimum length for CUCM OS accounts. The default value is 6.

Examples   admin:**show password complexity length**
Minimum Password Length is : 8

show password expiry

show password expiry {maximum-age | minimum-age}

Syntax Description

| **maximum-age** | Display information about password maximum-age expiry configuration. |
| **minimum-age** | Display information about password minimum-age expiry configuration. |

Command Modes

Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines

This command displays whether or not the password expiry features for OS accounts are enabled or disabled, and what the current configured parameters are for those features.

Examples

```
admin:show password expiry maximum-age
Password expiry : Enabled and is currently set to 99999 days


admin:show password expiry minimum-age
Minimum Password Age Settings: Enabled and is currently set to 0 day(s)
```

show password expiry user

show password expiry user {maximum-age | minimum-age} *userid*

Syntax Description

maximum-age	Display information about password maximum-age expiry configuration.
minimum-age	Display information about password minimum-age expiry configuration.
userid	The CUCM User ID.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays whether or not the password expiry features for a specific user account are enabled or disabled, and what the current configured parameters are for those features.

Examples
```
admin:show password expiry user maximum-age test
Password expiry for admin: Enabled and is currently set to 99999 days


admin:show password expiry user minimum-age test
Minimum Password age settings for admin: Enabled and is currently set to 0 days
```

show password history

show password history

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays the number of passwords that will be maintained in the history for OS admin accounts.

Examples
```
admin:show password history

Password history maintenance is enabled.
Configured value: 10
```

show password inactivity

show password inactivity

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command displays the status of the password inactivity feature for OS accounts. Password inactivity is the number of days of inactivity after a password has expired before the account is disabled.

Examples   admin:**show password inactivity**
Password Inactivity : Enabled and is currently set to 10 days

show process

show process

list [**file** *filename*] [**detail**] [**vm**]

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

name [**file** *filename*] [**detail**] [**vm**] [**cont**]

open-fd *process-id1*, *process-id2*, *process-id3,... process-id9* [**file** *filename*] [**cont**]

pid [**file** *filename*] [**detail**] [**vm**] [**cont**]

search *regexp* [**file** *filename*]

user *username* [**file** *filename*] [**detail**] [**vm**] [**cont**]

using-most cpu [**file** *filename*] [**num** *number*] [**cont**]

using-most memory [**file** *filename*] [**num** *number*] [**cont**]

Options

- **file** *filename*—Outputs the results to the file that is specified by *filename*
- **detail**—Displays detailed output
- **vm**—Displays the virtual memory of the process
- **cont**—Repeats the command continuously
- **clear**—Clears the screen before displaying output
- **noidle**—Ignore the idle/zombie processes
- **num** *number*—Displays the number of processes that are specified by *number*. The default number of processes equals 10. Set *number* to **all** to display all processes.
- **thread**—Displays threads
- [**cpu** | **memory** | **time**]—Sorts output by CPU usage, memory usage, or time usage. The default specifies to sort by CPU usage.
- **page**—Displays the output in pages
- *process*—Specifies the name of a process
- *process-id*—Specifies the process ID number of a process
- *regexp*—Represents a regular expression
- *number*—Specifies the number of processes to display. The default equals 5.

Syntax Description	list	Displays a list of all the processes and critical information about each process and visually indicates the child-parent relationships between the processes.
	load	Displays the current load on the system.
	name	Displays information about process that share the same name. This shows the process parent-child relationship.
	open-fd	Lists open file descriptors for a comma-separated list of process IDs.
	pid	Displays details about a specific process ID.

search	Displays process information that contains the *regexp* text.
user	Displays information about process that share the user name. This shows the process parent-child relationship.
using-most cpu	Lists the processes using the most CPU resources.
using-most memory	Lists the processes using the memory.

Command Modes   Admin

Command privilege level: 1

Command History

Release	Modification
1.2	The command was first documented.
1.8	The **name**, **open-fd**, **pid**, **search**, **user**, and **using-most** options were added.

Usage Guidelines   This command displays information about different processes that are running on the CTS-Manager system.

Examples

```
admin:show process list detail
PID ARGS
  PID  PPID USER      COMMAND         %CPU %MEM  MINFL  MAJFL  RSS   VSZ
STARTED
    1     0 root      init             0.0  0.0   4139     13   612  2464 Thu Sep 23
21:05:50 2010
    2     1 root      migration/0      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
    3     1 root      ksoftirqd/0      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
    4     1 root      migration/1      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
    5     1 root      ksoftirqd/1      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
    6     1 root      migration/2      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
    7     1 root      ksoftirqd/2      0.0  0.0      0      0     0     0 Thu Sep 23
21:05:50 2010
```

show registry

show registry *system component* [*name*]

Syntax Description

system	The registry system name
component	The registry component name
name	The name of the parameter to display

Command Modes

Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines

This command displays registry contents.

Examples

```
admin:show registry cm dbl/sdi
system = cm
   component = dbl/sdi
      tracelevel=127
      enable=1
      outputdebugstringflag=0
      numminutes=1440
      tracefile=/var/log/active/cm/trace/dbl/sdi/dbl.log
      numfiles=250
      numlines=10000
```

show snmp

show snmp [**trapdests** | **users**]

Options

- **trapdests**—Displays the configured snmp trap destinations.
- **users**—Displays the configured snmp users and communities.

Syntax Description   None

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modification
1.7	This command was first documented.

Usage Guidelines   This command displays configured snmp trap destinations or user and communities.

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


admin:show snmp users
1)  Username: admin                  Version: v3
       Level: AuthNoPriv                Mode: RW

2)  Username: tim                    Version: v3
```

show stats io

show stats io [kilo] [detail] [page] [file *filename***]**

Options

- **kilo**—Displays statistics in kilobytes.
- **detail**—Displays detailed statistics on every available device on the system and overrides the kilo option.
- **file** *filename*—Outputs the information to a file.

Syntax Description	None

Command Modes	Admin
	Command privilege level: 1
	Allowed during upgrade: Yes

Command History

Release	Modification
1.2	This command was first documented.

Usage Guidelines   This command displays system IO statistics.

✎

Note   The file option saves the information to platform/cli/*filename*.txt. Ensure that the file name does not contain the "." character.

Examples

```
admin:show stats io

avg-cpu:  %user    %nice    %sys %iowait    %idle
           0.15     0.00    0.15    0.01    99.69

Device:            tps  Blk_read/s  Blk_wrtn/s   Blk_read   Blk_wrtn
sda               0.89        4.10       14.77     720814    2593220
sda1              0.89        4.05       14.77     712058    2592960
sda2              0.00        0.01        0.00       1834        240
sda3              0.00        0.01        0.00       1500          4
```

show status

show status

Syntax Description   None.

Command Modes   Admin

Command privilege level: 0

Command History

Release	Modifications
1.2	This command was first documented.

Usage Guidelines   This command displays basic platform status information.

The following information is provided:

- Host name

- Date

- Time zone

- Locale

- Product version

- Platform version

- CPU usage

- Memory and disk usage

Examples

```
admin:show status
Host Name    : testsys
Date         : Thu Jun 24, 2004 12:55:01
Time Zone    : PDT
Locale       : en_US.UTF-8
Product Ver  : 5.0.1.14-2
Platform Ver : 2.0.0.0-1

Resources
CPU          Idle: 100.00%   System: 00.00%    User: 00.00%

                   Total           Free           Used
Memory          254984K         72964K        182020K
Disk/active    3020140K       1580608K       1286116K (45%)
Disk/inactive  3020172K       2833924K         32828K (2%)
Disk/logging  11290072K      10017808K        698748K (7%)
```

show syslog facility

show syslog facility

Syntax Description   None.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	This command was first documented.

Usage Guidelines   This command shows the syslog default facility used for logging messages.

Examples   admin:**show syslog facility**
Using the local1 facility

show syslog heartbeat

show syslog heartbeat [facility | interval | msg | severity]

Options

- **facility**—Displays the syslog heartbeat facility used for heartbeat messages.
- **interval**—Displays the syslog heartbeat interval in minutes, 0 is disabled.
- **msg**—Displays the syslog heartbeat message text.
- **severity**—Displays the syslog heartbeat severity used for heartbeat messages.

Syntax Description   None.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	This command was first documented.

Usage Guidelines   This command shows the syslog heartbeat facility, interval, message or severity information.

Examples

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

admin:show syslog heartbeat interval
Using the 0 minute interval

admin:show syslog heartbeat msg
Using the "Syslog heartbeat message" message

admin:show syslog heartbeat severity
Using the 6 severity
```

show syslog timezone

show syslog timezone

Syntax Description   None.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	This command was first documented.

Usage Guidelines   This command shows the syslog timezone setting as either localtime or GMT/UTC.

Examples   admin:**show syslog timezone**
Using gmt timezone

show syslog version

show syslog version

Syntax Description   None.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.7	This command was first documented.

Usage Guidelines   This command shows the syslog output version as either CiscoLog v1.1 or IETF/RFC Syslog Protocol Version 1.

Examples   admin:**show syslog version**
```
Version is 1, the IETF/RFC Syslog Protocol v1 format
```

show tech all

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

Syntax Description

page	Displays one page at a time.
file	Outputs the information to a file.

Command Modes

Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	This command was first documented.

Usage Guidelines

This command displays the combined output of all **show tech** commands.

Note   The file option saves the information to platform/cli/*filename*.txt. Ensure that the file name does not contain the "." character.

Examples

```
admin:show tech all

1597 root       17   0  3192  448  388 S  0.0  0.0   0:00.00 mingetty
1598 root       16   0  3192  448  388 S  0.0  0.0   0:00.00 mingetty
1599 root       17   0  2320  448  388 S  0.0  0.0   0:00.00 mingetty
1600 root       17   0  2424  448  388 S  0.0  0.0   0:00.00 mingetty
1601 root       17   0  2368  448  388 S  0.0  0.0   0:00.00 mingetty
1606 root       25   0  4688 1340 1056 S  0.0  0.0   0:00.02 ntpd
1607 root       16   0  4544 1408 1140 S  0.0  0.0   0:00.00 racoon
1610 servmgr    16   0 77848 8816 5280 S  0.0  0.1   0:00.38 servM
```

show tech network

show tech network

all [**page**] [**search** *text*] [**file** *filename*]

hosts [**page**] [**search** *text*] [**file** *filename*]

interfaces [**page**] [**search** *text*] [**file** *filename*]

resolv [**page**] [**search** *text*] [**file** *filename*]

routes [**page**] [**search** *text*] [**file** *filename*]

sockets {**numeric**}

Options

- **page**—Displays one page at a time.

- **search** *text*—Searches the output for the string that *text* specifies. Be aware that the search is case insensitive.

- **file** *filename*—Outputs the information to a file.

- **numeric**—Displays the numerical addresses of the ports instead of determining symbolic hosts. This parameter is equivalent to running the Linux shell command netstat [-n] command.

Syntax Description		
	all	Displays all network tech information.
	hosts	Displays information about hosts configuration.
	interfaces	Displays information about the network interfaces.
	resolv	Displays information about hostname resolution
	routes	Displays information about network routes.
	sockets	Displays the list of open sockets.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History	Release	Modifications
	1.2	This command was first documented.

Usage Guidelines   Use this command to show network aspects of the CTS-Manager server.

✎

Note   The **file** option saves the information to platform/cli/*filename*.txt. Ensure that the file name does not contain the "." character.

Examples

```
admin:show tech network routes
------------------- show platform network -------------------
 Routes:
10.22.148.0/24 dev eth0  proto kernel  scope link  src 10.22.148.143
169.254.0.0/16 dev eth0  scope link
default via 10.22.148.1 dev eth0
```

Related Commands

Command	Description
show tech runtime	Shows runtime aspects of the machine
show tech system	Shows system aspects of the machine

show tech runtime

show tech runtime

all [**page**] [**file** *filename*]

cpu [**page**] [**file** *filename*]

disk [**page**] [**file** *filename*]

env [**page**] [**file** *filename*]

memory [**page**] [**file** *filename*]

Options

- **page**—Displays one page at a time.
- **file** *filename*—Outputs the information to a file.

Syntax Description

all	Displays all runtime information
cpu	Displays CPU usage information at the time the command is run.
disk	Displays system disk usage information.
env	Displays environment variables.
memory	Displays memory usage information.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.5	This command was first documented.

Usage Guidelines   Use this command to show runtime aspects of the machine. The **file** option saves the information to platform/cli/*filename*.txt.

> **Note**   Ensure that the file name cannot contain the "." character.

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

The processor usage :
top - 22:13:05 up 2 days,  1:59,  1 user,  load average: 0.00, 0.01, 0.00
Tasks: 143 total,   1 running, 142 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.2% us,  0.1% sy,  0.0% ni, 99.7% id,  0.0% wa,  0.0% hi,  0.0% si
Mem:   6209432k total, 1936580k used, 4272852k free,    87632k buffers
```

```
Swap:  2048248k total,          0k used,  2048248k free,   753208k cached

  PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
    1 root      16   0  3368  608  520 S  0.0  0.0  0:01.52 init
    2 root      RT   0     0    0    0 S  0.0  0.0  0:00.02 migration/0
    3 root      34  19     0    0    0 S  0.0  0.0  0:00.00 ksoftirqd/0
```

Related Commands	Command	Description
	show tech network	Shows network aspects of the machine
	show tech system	Shows system aspects of the machine

show tech system

show tech system

all [**page**] [**file** *filename*]

bus [**page**] [**file** *filename*]

hardware [**page**] [**file** *filename*]

host [**page**] [**file** *filename*]

kernel modules [**page**] [**file** *filename*]

software [**page**] [**file** *filename*]

tools [**page**] [**file** *filename*]

Options

- **page**—Displays one page at a time.

- **file** *filename*—Outputs the information to a file.

Syntax Description

all	Displays all the system information.
bus	Displays information about the data buses on the server.
hardware	Displays information about the server hardware.
host	Displays information about the server.
kernel modules	Lists the installed kernel modules.
software	Displays information about the installed software versions.
tools	Displays information about the software tools on the server.

Command Modes   Admin

Command privilege level: 1

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	This command was first introduced.

Usage Guidelines   The **file** option saves the information to platform/cli/*filename*.txt.

> **Note**   Ensure that the file name does not contain the "." character.

Examples
```
admin:show tech system
------------------ show platform system -------------------
Hardware: pci bus devices summary
```

```
00:00.0 Host bridge: Intel Corporation QuickPath Architecture I/O Hub to ESI Port (rev 13)
00:01.0 PCI bridge: Intel Corporation QuickPath Architecture I/O Hub PCI Express Root Port
1 (rev 13)
00:02.0 PCI bridge: Intel Corporation QuickPath Architecture I/O Hub PCI Express Root Port
2 (rev 13)
00:03.0 PCI bridge: Intel Corporation QuickPath Architecture I/O Hub PCI Express Root Port
3 (rev 13)
00:05.0 PCI bridge: Intel Corporation QuickPath Architecture I/O Hub PCI Express Root Port
5 (rev 13)
00:07.0 PCI bridge: Intel Corporation QuickPath Architecture I/O Hub PCI Express Root Port
7 (rev 13)
```

Related Commands	Command	Description
	show tech network	Shows network aspects of the machine
	show tech runtime	Shows runtime aspects of the machine

show timezone config

show timezone config

Syntax Description   None.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	This command was first documented.

Usage Guidelines   This command displays time zone information.

Examples

```
admin:show timezone config
Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
Timezone version: 2009o
```

show version

show version [active | inactive]

Syntax Description	**active**	Displays the software version on the active partition.
	inactive	Displays the software version on the inactive partition.

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History	**Release**	**Modifications**
	1.2	This command was first documented.

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

Examples
```
admin:show version active
Active Master Version: 1.7.1.0-99

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

show workingdir

show working dir

Syntax Description   None

Command Modes   Admin

Command privilege level: 0

Allowed during upgrade: Yes

Command History

Release	Modifications
1.2	This command was first documented.

Usage Guidelines   This command retrieves the current working directory for activelog, inactivelog, install, and TFTP.

Examples

```
admin:show working dir

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