CTRS Utils Commands

October 2011

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

Note   For information about using the CTRS administration software, refer to the *Cisco TelePresence Recording Server Release 1.8 Administration Guide* at the following URL:

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

utils auditd disable

utils auditd disable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to disable the auditd service. The auditd service monitors and records user actions, and creates an audit trail of system activity.

Examples   admin:**utils auditd disable**

utils auditd enable

utils auditd enable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to enable the auditd service. The auditd service monitors and records user actions, and creates an audit trail of system activity.

Examples   admin:**utils auditd enable**

utils auditd status

utils auditd status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display whether audit trail logging is enabled or disabled.

Examples   admin:**utils auditd status**

utils create report hardware

utils create report hardware

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to create a system report containing disk array, remote console, diagnostic, and environmental data.

Examples
```
admin:utils create report hardware
        ***  W A R N I N G  ***
This process can take several minutes as the disk array, remote console,
system diagnostics and environmental systems are probed for their current
values.

Continue? Press y or Y to continue, any other key to cancel request.
Continuing with System Report request...
Collecting Disk Array Data...SmartArray Equipped server detected...Done
Collecting Remote Console Data...Done
Collecting Model Specific System Diagnostic Information...Done
Collecting Environmental Data...Done
Collecting Remote Console System Log Data...Done
Creating single compressed system report...Done
System report written to SystemReport-20070730020505.tgz
To retrieve diagnostics use CLI command:
file get activelog platform/log/SystemReport-20070730020505.tgz
```

utils create report platform

utils create report platform

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to collect the platform configuration files and copy them to a common log location.

Examples

```
admin:utils create report platform
Configuration files are being gathered now...

Platform configuration files have been collected: platformConfig-20091202083407.tar
To retrieve the configuration files use CLI command: file get activelog
platform/log/platformConfig-20091202083407.tar
```

utils diagnose fix

utils diagnose fix

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to execute specific diagnostic tests and, if possible, to repair the system.

Examples

```
admin: utils diagnose fix
Starting diagnostic test(s)
===========================
test - disk_space        : Passed
test - service_manager   : Passed
test - tomcat            : Passed

Diagnostics Completed
```

utils diagnose list

utils diagnose list

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to list all available diagnostic commands.

Examples
```
admin: utils diagnose list
Log file: platform/log/diag1.log

Available diagnostics modules
=============================
Group: Platform
    disk_space          - Check disk space and verify critical OS files
    disk_files*         - Check for unusually large files in root
    service_manager     - Check if service manager is running
    validate_network    - Validate network settings
    raid                - Check raid and disk status
    system_info         - Collect system information into diagnostic log
    ntp_reachability    - Checks the reachability of external NTP server(s)
    ntp_clock_drift     - Checks the local clock's drift from the NTP server(s)
    ntp_stratum         - Checks the stratum level of the refrence clock.
    sdl_fragmentation*  - Checks the fragementaion of files in SDL directory
    sdi_fragmentation*  - Checks the fragementaion of files in SDI directory
    ipv6_networking     - Checks the IPv6 network settings
```

utils diagnose module

utils diagnose module [*module_name***]**

Syntax Description

module_name	Name of the module. Use the **utils diagnose list** command for the appropriate values for this option.

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to execute a single module test and attempt to fix the problem if possible.

Examples
```
admin: utils diagnose module tomcat
Starting diagnostic test(s)
===========================
test - tomcat             : Passed

Diagnostics Completed
```

utils diagnose test

utils diagnose test

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to execute each command but not attempt to repair the system.

Examples
```
admin: utils diagnose test
Starting diagnostic test(s)
===========================
test - disk_space        : Passed
test - service_manager   : Passed
test - tomcat            : Passed

Diagnostics Completed
```

utils diagnose version

utils diagnose 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 diagnostics system version.

Examples
```
admin: utils diagnose version
Version: 1.0.0
```

utils fior disable

utils fior disable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to prevent the file I/O reporting service from being started automatically when the machine boots.

> ✎
>
> **Note**   This command will not stop a currently running service. To stop a currently running service, use the **utils fior stop** command.

Examples

```
admin: utils fior disable
File I/O Statistics has been disabled.
Disabling fiostats : ok
File I/O Statistics has been stopped.
```

utils fior enable

utils fior enable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to enable the File I/O Reporting Service to be started automatically when the machine boots.

✎

Note   This command will not start the service without a reboot. To start a service without a reboot, use the **utils fior start** command.

Examples
```
admin: utils fior enable
File I/O Statistics has been enabled.
Loading fiostats module: ok
Enabling fiostats : ok
File I/O Statistics has been started.
```

utils fior list

utils fior list [**start=***date-time*] [**stop=***date-time*]

Syntax Description	**start=***date-time*	Indicates the start of the chronological list of I/O events. Enter *date-time* value in the following format:
		• %H:%M,
		• %H:%M:%S
		• %a,%H:%M,
		• %a,%H:%M:%S
		• %Y-%m-%d,%H:%M,
		• %Y-%m-%d,%H:%M:%S
	stop=*date-time*	Indicates the end of the chronological list of I/O events. Enter *date-time* value in the following format:
		• %H:%M,
		• %H:%M:%S
		• %a,%H:%M,
		• %a,%H:%M:%S
		• %Y-%m-%d,%H:%M,
		• %Y-%m-%d,%H:%M:%S

Command Modes	Admin

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

Usage Guidelines   The File I/O Reporting service provides a kernel-based daemon for collecting file I/O per process. Use this command to provide a chronological list, oldest to newest, of file I/O events.

Examples
```
admin: utils fior list
12/02/2009 21:26:13          modprobe 13695          282791          0  1

12/02/2009 21:26:13          modprobe 13685          282791          0  1

##########

12/02/2009 21:30:01  io stats for currently alive processes over the past 2522 sec
                              cmasm2d 7820              0     17390806
                                java 11480          6291        68942
##########
```

utils fior start

utils fior start

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   The File I/O Reporting service provides a kernel-based daemon for collecting file I/O per process. Use this command to start a previously stopped file I/O reporting service. The service will remain in a started state until it is either stopped or the machine is rebooted.

Examples
```
admin: utils fior start
File I/O Statistics has been started.
```

utils fior status

utils fior status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   The File I/O Reporting service provides a kernel-based daemon for collecting file I/O per process. Use this command to provide the status of the file I/O reporting service.

Examples
```
admin: utils fior status
Disabling fiostats : ok
File I/O Statistics has been stopped.
admin:utils fior start
Enabling fiostats : ok
File I/O Statistics has been started.
admin:utils fior status
fiostats will start on reboot.
kernel module is loaded.
status: enabled
syscall use count: 8
current time interval for counters: 1259790117 to 1259790140
number of stats structures: 36
only reads > 265000 and writes > 51200 are logged
```

utils fior stop

utils fior stop

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   The File I/O Reporting service provides a kernel-based daemon for collecting file I/O per process. Use this command to stop the file I/O reporting service. The service will remain in a stopped state either until it is either started or the machine is rebooted.

Examples

```
admin: utils fior stop
Disabling fiostats : ok
File I/O Statistics has been stopped.
```

utils fior top

utils fior top *number* [**sort_by** *method*] [**start=***date-time*] [**stop=***date-time*]

Syntax Description		
	number	Indicates the number of processes.
	sort_by *method*	Sorts the list by one of the following options: • *read*: Sorted by the total number of bytes read. • *write*: Sorted by the total number of bytes written. • *read-rate*: Sorted by the rate of bytes read. • *write-rate*: Sorted by the rate of bytes written.
	start=*date-time*	Indicates the start of the chronological list of I/O events. Enter *date-time* value in the following format: • %H:%M, • %H:%M:%S • %a,%H:%M, • %a,%H:%M:%S • %Y-%m-%d,%H:%M, • %Y-%m-%d,%H:%M:%S
	stop=*date-time*	Indicates the end of the chronological list of I/O events. Enter *date-time* value in the following format: • %H:%M, • %H:%M:%S • %a,%H:%M, • %a,%H:%M:%S • %Y-%m-%d,%H:%M, • %Y-%m-%d,%H:%M:%S

Command Modes   Admin

Command History	Release	Modifications
	1.6	This command was first documented.
	1.8	Added **sort_by** option.

Usage Guidelines   The File I/O Reporting service provides a kernel-based daemon for collecting file I/O per process. Use this command to provide a list of top processes that create file I/O. This list can be sorted by the total number of bytes read, the total number of bytes written, the rate of bytes read or the rate of bytes written.

Examples   admin: **utils fior top**

utils firewall ipv4 list

utils firewall ipv4 list

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to retrieve the current configuration of the firewall.

Examples

```
admin: utils firewall ipv4 list
Table: nat
Chain PREROUTING (policy ACCEPT)
target     prot opt source              destination
REDIRECT   tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:443 redir ports 8443
REDIRECT   tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:80 redir ports 8080


Chain POSTROUTING (policy ACCEPT)
target     prot opt source              destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source              destination
DNAT       tcp  -- 0.0.0.0/0           127.0.0.1            tcp dpt:443 to::8443
DNAT       tcp  -- 0.0.0.0/0           172.28.70.109        tcp dpt:443 to::8443
DNAT       tcp  -- 0.0.0.0/0           127.0.0.1            tcp dpt:80 to::8080
DNAT       tcp  -- 0.0.0.0/0           172.28.70.109        tcp dpt:80 to::8080


Table: filter
Chain INPUT (policy DROP)
target     prot opt source              destination
DROP       all  -- 127.0.0.0/8         0.0.0.0/0
ACCEPT     all  -- 0.0.0.0/0           0.0.0.0/0
ACCEPT     udp  -f 0.0.0.0/0           0.0.0.0/0
DROP       all  -- 0.0.0.0/0           0.0.0.0/0            state INVALID
ACCEPT     all  -- 0.0.0.0/0           0.0.0.0/0            state RELATED,ESTABLISHED
ACCEPT     icmp -- 0.0.0.0/0           0.0.0.0/0            icmp type 8 limit: avg 10/sec
burst 5
LOG        icmp -- 0.0.0.0/0           0.0.0.0/0            icmp type 8 limit: avg 1/min
burst 5 LOG flags 0 level 4 prefix `ping flood '
DROP       icmp -- 0.0.0.0/0           0.0.0.0/0            icmp type 8
ACCEPT     tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:22 flags:0x02/0x02
ACCEPT     tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:8443 flags:0x02/0x02
ACCEPT     tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:8080 flags:0x02/0x02
ACCEPT     udp  -- 0.0.0.0/0           0.0.0.0/0            udp dpt:123
ACCEPT     tcp  -- 0.0.0.0/0           0.0.0.0/0            tcp dpt:1533 flags:0x02/0x02
...
```

utils firewall ipv4 status

utils firewall ipv4 status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to retrieve the current status of the firewall.

Examples
```
admin: utils firewall ipv4 status
firewall (iptables) is enabled
firewall (iptables) debugging is off
```

utils iostat

utils iostat [*interval iterations*] [*filename*]

Syntax Description

interval iteration	Indicates the interval (in seconds) between two iostat readings and the total number of iostat iterations to be performed.
filename	Saves output information to a file. The file is saved in the following format: platform/cli/*name*.txt. The *name* option cannot contain a period (.)

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to display iostat output. To indicate the interval between two iostat readings, and the number of iostat iterations to be performed, use the *interval iteration* option.

Examples
```
admin: utils iostat
Executing command... Please be patient

Tue Oct  9 12:47:09 IST 2007
Linux 2.4.21-47.ELsmp (csevdir60)        10/09/2007

Time: 12:47:09 PM
avg-cpu:  %user   %nice    %sys %iowait   %idle
          3.61    0.02    3.40    0.51   92.47

Device:    rrqm/s wrqm/s   r/s  w/s rsec/s  wsec/s    rkB/s    wkB/s avgrq-sz avgqu-sz
await  svctm  %util
sda        3.10  19.78  0.34  7.49  27.52  218.37   13.76   109.19   31.39     0.05
5.78   0.73   0.57
sda1       0.38   4.91  0.14  0.64   4.21   44.40    2.10    22.20   62.10     0.02
26.63   1.62   0.13
sda2       0.00   0.00  0.00  0.00   0.00    0.00    0.00     0.00   10.88     0.00
2.20   2.20   0.00
sda3       0.00   0.00  0.00  0.00   0.00    0.00    0.00     0.00    5.28     0.00
1.88   1.88   0.00
sda4       0.00   0.00  0.00  0.00   0.00    0.00    0.00     0.00    1.83     0.00
1.67   1.67   0.00
sda5       0.00   0.08  0.01  0.01   0.04    0.73    0.02     0.37   64.43     0.00
283.91  69.81   0.08
sda6       2.71  14.79  0.20  6.84  23.26  173.24   11.63    86.62   27.92     0.02
2.98   0.61   0.43
```

utils iothrottle disable

utils iothrottle disable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to disable I/O throttling enhancements.

✎

Note   Disabling I/O throttling enhancements can adversely affect the system during upgrades.

Examples
```
admin: utils iothrottle disable
I/O throttling has been disabled
```

utils iothrottle enable

utils iothrottle enable

Syntax Description None

Command Modes Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to enable I/O throttling enhancements.

✎

Note When enabled, I/O throttling enhancements lower the impact of upgrades on an active system.

Examples
```
admin: utils iothrottle enable
I/O throttling has been enabled
```

utils iothrottle status

utils iothrottle status

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 status of the I/O throttling enhancements.

Examples
```
admin: utils iothrottle status
I/O throttling is enabled
```

utils ldap config

utils ldap config {fqdn | ipaddr}

Syntax Description

fqdn	Use an FQDN for LDAP authentication.
ipaddr	Use an IP address for LDAP authentication.

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command configures whether to use a Fully-Qualified Domain Name (FQDN) or an IP address for LDAP authentication.

Note   Using an FQDN for LDAP authentication is the preferred method. Use an IP address only if you have not configured your system for DNS.

Examples   admin: **utils ldap config fqdn**

utils network arp delete

utils network arp delete *host*

Syntax Description

host	Defines the name or dotted IP address of the host to delete.

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to delete an entry in the Address Resolution Protocol table.

Examples   admin: **utils network arp delete myhost**

utils network arp list

utils network arp list [host *hostname***] [page] [numeric]**

Syntax Description

host *hostname*	Identifies the host.
page	Pauses output.
numeric	Displays host as dotted IP address.

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to list the contents of the Address Resolution Protocol table.

Examples

```
admin: utils network arp list
Address                 HWtype  HWaddress         Flags Mask         Iface
ctrs-vmware5.cisco.com   ether   00:0C:29:C5:CF:68  C                 eth0
tsbu-68net-gw.cisco.com  ether   00:19:E8:7C:20:C2  C                 eth0
Entries: 2      Skipped: 0      Found: 2
```

utils network arp set

utils network arp set *host address*

Syntax Description

host	Identifies the name or dotted IP address of the host to add.
address	Identifies the hardware address (MAC address) of the host to be added in the following format: XX:XX:XX:XX:XX:XX

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to set an entry in the Address Resolution Protocol table.

✎
Note   As of kernel 2.2.0 it is no longer possible to set an ARP entry for an entire subnet. Linux instead does automagic proxy arp when a route exists and it is forwarding.

Examples   admin: **utils network arp set myhost 11:22:33:44:55:66**

utils network capture

utils network capture [**page**] [**numeric**] [**file** *filename*] [**count** *number*] [**size** *bytes*]
[**src** *address* **port** *number*] [**dest** *address* **port** *number*] [*host | address protocol*]

Syntax Description

page	Pauses output.
numeric	Shows hosts as dotted IP addresses.
file *filename*	Saves output from this command in a file; the file is saved in the following format: using the following format: platform/cli/fname.cap.
	Note *Filename* should not contain a period (.).
count *number*	Defines the number of packets to capture. The maximum count per screen is 1000, and per file is 100,000.
size *bytes*	Defines the number of bytes in the packet to capture. The maximum number of bytes per screen is 128, and per file can be any amount, including the variable ALL.
src *address*	Defines the source address of the packet as a host name or IPV4 address.
dest *address*	Defines the destination address of the packet as a host name or IPV4 address.
port *number*	Defines the the port number of the packet (for either src or dest).
host	Defines the host name of the packet.
address	Defines the IPv4 address of the packet.
	Note If you define *host* or *address*, do not use **src** *address* or **dest** *address as options,*
protocol	Defines the protocol to capture. Choices are: • **ip** • **arp** • **rarp** • **all**

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to capture IP packets on the Ethernet interface. ETH0 is used as the default device.

You can either display the packets on screen or save them to a file. When using the page or file options, the capture of all requested packets must occur before the command will complete.

Note   Line wrapping may occur.

Examples

```
admin:utils network capture count 5 numeric
Executing command with options:
 size=128             count=5              interface=eth0
 src=                 dest=                port=

11:31:57.900286 philly.cisco.com.5901 > dhcp-128-107-142-57.cisco.com.3313: P
2869804405:2869805083(678) ack 1220658143 win 6420 (DF)
11:31:57.900733 vv1-stern.cisco.com.38536 > dns-sj.cisco.com.domain:  6113+[|domain] (DF)
11:31:57.902032 dns-sj.cisco.com.domain > vv1-stern.cisco.com.38536:  6113*[|domain] (DF)
11:31:57.902172 vv1-stern.cisco.com.38536 > dns-sj.cisco.com.domain:  60216+[|domain] (DF)
11:31:57.903282 dns-sj.cisco.com.domain > vv1-stern.cisco.com.38536:  60216*[|domain] (DF)
```

utils network host

utils network host *name*

Syntax Description

name	Identifies the name or IP address of the host to resolve.

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to resolve a hostname to an address, or an address to a hostname. This command looks for the host locally first; if it cannot resolve it locally and Domain Name System (DNS) is configured, then it performs a DNS lookup.

Examples
```
admin: utils network host test1.com
Hostname test1.com resolves to <IP ADDRESS>

admin: utils network host <IP ADDRESS>
IP address <IP ADDRESS> resolves to test1.com
```

utils network ping

utils network ping *dest* [*count*] [*size*]

Syntax Description

dest	Identifies the host name or dotted IP address of the host to ping.
count	Defines number of ping packets to send. Default is 4.
size	Specifies the length, in bytes, of the data field in the Echo Request messages sent. The default is 32. The maximum size is 65,527.

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.
1.8	Added size keyword.

Usage Guidelines   Use this command to send one or more ping packets to a remote destination.

Examples
```
admin:utils network ping www.cisco.com 5
PING www.cisco.com (198.133.219.25) from 172.22.119.166 : 56(84) bytes of data.
64 bytes from 198.133.219.25: icmp_seq=1 ttl=246 time=0.837 ms
64 bytes from 198.133.219.25: icmp_seq=2 ttl=246 time=0.962 ms
64 bytes from 198.133.219.25: icmp_seq=3 ttl=246 time=1.04 ms
64 bytes from 198.133.219.25: icmp_seq=4 ttl=246 time=0.635 ms
64 bytes from 198.133.219.25: icmp_seq=5 ttl=246 time=0.666 ms
```

utils network traceroute

utils network traceroute *dest*

Syntax Description	*dest*	Identifies the host name or dotted IP address of the host.

Command Modes	Admin

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

Usage Guidelines   Use this command to trace the route of IP packets to a remote destination.

Examples
```
admin:utils network traceroute <IP ADDRESS>
traceroute to <IP ADDRESS>(<IP ADDRESS>), 30 hops max, 38 byte packets
 1  vns-gateway1-119 (<IP ADDRESS>)  0.599 ms  0.439 ms  0.381 ms
 2 <IP ADDRESS> (<IP ADDRESS>)  0.358 ms  0.242 ms  0.231 ms
 3  sjc20-lab-gw2 (<IP ADDRESS>)  0.347 ms *  0.514 ms
```

utils ntp config

utils ntp config

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 current configuration of the NTP client and server on this device.

Examples
```
admin: utils ntp config
This node is configured to synchronize with one of the following NTP server(s):
  171.68.10.80
```

utils ntp restart

utils ntp restart

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to restart the NTP service.

Examples

```
admin: utils ntp restart
Restarting the NTP
```

utils ntp server add

utils ntp server add *s1* [*s2 s3 s4 s5*] [**norestart**]

Syntax Description

s1, s2, s3, s4, s5	IP addresses of NTP servers. Up to five NTP servers can be specified.
norestart	Do not restart the CTRS after this command is executed.

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to add up to five NTP servers to the CTRS configuration. The CTRS will attempt to synchronize NTP information with the first NTP server listed. If that NTP server is not available, it will try to synchronize with each successive NTP server.

Examples   admin: **utils ntp server add**

utils ntp server delete

utils ntp server delete

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to delete the current NTP configuration. This command does not require any parameters, it will present the option to delete individual NTP servers or all NTP servers.

Examples   admin: **utils ntp server delete**

utils ntp server list

utils ntp server list

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to list the IP addresses of the NTP servers currently configured on the CTRS.

Examples

```
admin: utils ntp server list
64.104.222.16
64.104.193.12
```

utils ntp start

utils ntp start

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to start the NTP service if it is not already running; if the NTP service is already running, this command has no effect.

> **Note**   This command is provided so, if for some unknown reason the NTP process is not running on the host, it can be started. There is no CLI command to stop the NTP process.

Examples
```
admin: utils ntp start
The NTP is starting
```

utils ntp status

utils ntp status

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 current status of the NTP client on this device.

Examples

```
admin:utils ntp status
ntpd (pid 10561) is running...
     remote           refid      st t when poll reach   delay   offset  jitter
==============================================================================
 ntp-sj1.cisco.c .GPS.            1 u    3   64    1    5.885   -0.091   0.008
```

utils remote_account create

utils remote_account create *account life*

Syntax Description	*account*	Identifies the name of the remote account.
	life	Identifies the life of the remote account in days.

Command Modes   Admin

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

Usage Guidelines   Use this command to create a remote account so that Cisco Technical Support can access the system.

> ✎
>
> **Note**   Before using a remote account, it must be enabled using the **utils remote_account enable** command. Only one remote account can be enabled at a time.

Examples
```
admin:utils remote_account create ciscotech 1
Account Successfully created
Account       : ciscotech
Passphrase    : 7RZT7ARZK5
Expiry        : 12-14-2005:15:50:21 (MM-DD-YYYY:Hr:Min:Sec)
```

utils remote_account disable

utils remote_account disable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to remove remote accounts.

Examples   admin:**utils remote_account disable**

utils remote_account enable

utils remote_account enable

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to enable existing remote accounts so that Cisco Technical Support can access the system.

Examples   admin:**utils remote_account enable**

utils remote_account status

utils remote_account status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to retrieve status information for remote accounts used by Cisco Technical Support to access the system.

Examples

```
admin:utils remote_account status
Remote Support
Status        : enabled
Decode Version : 1
Account       : dhroot
Passphrase    : BDLHBP4JMY
Expiry        : 8-24-2008:20:00:00(MM-DD-YYYY:Hr:Min:Sec)
```

utils service snmp restart

utils service snmp restart

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to stop and then restart Simple Network Management Protocol (SNMP) processes.

Examples   admin:**utils service snmp restart**
Password:

utils service list

utils service list [page]

Syntax Description

page	Displays output one page at a time.

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   This command retrieves a list of all services and their status.

Examples

```
admin:utils service list
System SSH [STARTED]
```

utils service start

utils service start *service*

Syntax Description	*service*	Name of the service to start.

Command Modes   Admin

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

Usage Guidelines   Use this command to start the specified service.

Examples   admin:**utils service start System SSH**

utils service stop

utils service stop *service*

Syntax Description

service	Name of the service to stop.

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to stop the specified service.

Examples   admin:**utils service stop System SSH**

utils service snmp start

utils service snmp start

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.
1.8	This command was removed and is no longer supported.

Usage Guidelines   Use this command to start Simple Network Management Protocol (SNMP) processes if not running and to enable external access to SNMP.

Examples

```
admin:utils service snmp start
Password:
```

utils service snmp status

utils service snmp status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.
1.8	This command was removed and is no longer supported.

Usage Guidelines   Use this command to display the current Simple Network Management Protocol (SNMP) process status.

Examples

```
admin:utils service snmp status
Password:
snmpd (pid 11326) is running...
```

utils service snmp stop

utils service snmp stop

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.
1.8	This command was removed and is no longer supported.

Usage Guidelines   Use this command to disable external access to Simple Network Management Protocol (SNMP).

Examples   admin:**utils service snmp stop**

utils snmp get 3

utils snmp get 3

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to displays Simple Network Management Protocol (SNMP) data for the specified MIB OID. After issuing this command, you will be prompted for parameters.

Examples   admin:**utils snmp get 3**

utils snmp hardware-agents restart

utils snmp hardware-agents restart

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to restart all Simple Network Management Protocol (SNMP) hardware agents.

Examples   admin:**utils snmp hardware-agents restart**

utils snmp hardware-agents start

utils snmp hardware-agents start

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to start all Simple Network Management Protocol (SNMP) hardware agents.

Examples   admin:**utils snmp hardware-agents start**

utils snmp hardware-agents status

utils snmp hardware-agents status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to list and display the status of all Simple Network Management Protocol (SNMP) hardware agents.

Examples
```
admin:utils snmp hardware-agents status
Active
The Pegasus CIM Object Manager is running.
The Pegasus CIM Listener is running.
IBM SLP SA running
snmpd (pid 28028) is running...
```

utils snmp hardware-agents stop

utils snmp hardware-agents stop

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to stop all Simple Network Management Protocol (SNMP) hardware agents.

Examples   admin:**utils snmp hardware-agents stop**

utils snmp reset

utils snmp reset

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to reset Simple Network Management Protocol (SNMP) objects to their default values. Current SNMP objects value will not be affected; the default values will be used the next time SNMPD is restarted.

Examples

```
admin:utils snmp reset
Reset Snmp object to default next time when it is restarted.
```

utils snmp save

utils snmp save

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to save a set of current Simple Network Management Protocol (SNMP) object values. The saved values will replace the object default value when SNMPD is restarted.

Examples
```
admin:utils snmp save
Saving a set of current Snmp object values.
```

utils snmp walk 3

utils snmp walk 3

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to display an entire subtree of the specified Simple Network Management Protocol (SNMP) MIB starting with the specified OID. After issuing this command, the system will prompt you for parameters.

Examples   admin:**utils snmp walk 3**

utils system boot console

utils system boot console

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to change the output to the console during system boot.

Examples   admin:**utils system boot console**
Boot output has been redirected to the console.

utils system boot serial

utils system boot serial

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to change the output to the COM1 (serial port 1) during system boot.

Examples   admin:**utils system boot serial**
Boot output has been redirected to COM1 (serial port 1).

utils system boot status

utils system boot status

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to display where system boot messages are sent (console or serial port 1).

Examples   admin:**utils system boot status**
Boot output is redirected to the console.

utils system restart

utils system restart

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to reboot the CTRS device.

Examples
```
admin:utils system restart
Do you really want to restart ?
Enter "yes" to restart or any other key to abort

Appliance is being Restarted ...

Broadcast message from root (Thu Jun 10 10:10:10 2004):

The system is going down for restart NOW!

Operation succeeded

restart now.
```

utils system shutdown

utils system shutdown

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to power off the CTRS device.

Examples   admin:**utils system shutdown**
Do you really want to shutdown ?
Enter "yes" to shutdown or any other key to abort

Appliance is being Powered – Off ...

Broadcast message from root (Thu Jun 10 10:10:10 2004):

The system is going down for system halt NOW!

utils system switch-version

utils system switch-version

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines   Use this command to switch to another software version installed on the CTRS device.

✎

Note   Switching the software version requires restarting the CTRS device and can take up to 20 minutes.

Examples

```
admin:utils system switch-version

Active Master Version: 2.0.0.0-44

Inactive Master Version: 1.6.0.0-213

Do you really want to switch versions ?
Enter (yes/no)?

Switching Version and Restarting the Appliance ...
Warning: Version switch could take up to 20 minutes.

Broadcast message from root (Thu Jun 10 10:10:10 2004):

The system is going down for restart NOW!
```

utils system upgrade cancel

utils system upgrade cancel

Syntax Description   None

Command Modes   Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines   Use this command to cancels a system software upgrade currently in progress.

Examples
```
admin:utils system upgrade cancel
Canceling the upgrade.  Please wait...

Upgrade status: Cancelled
   Upgrade log: install_log_2007-10-22.13.06.11.log
  Upgrade file: ciscocm.test.cop
```

utils system upgrade initiate listall

utils system upgrade initiate listall

Syntax Description None

Command Modes Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines Use this command to start a new or assume control of an existing system upgrade wizard. The upgrade wizard allows administrators to install upgrade and Cisco Option Package (COP) files from both local and remote directories.

Examples

```
admin:utils system upgrade initiate listall

Available options and upgrades in "10.77.31.60:/home/":

 1) UCSInstall_UCOS_8.0.0.98000-9003.iso
 q) quit

Please select an option (1 - 1 or "q" ):
```

utils system upgrade status

utils system upgrade status

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 status of a system softare upgrade.

Examples
```
admin:utils system upgrade status

Upgrade status: Being configured
   Upgrade log: install_log_2007-10-22.13.06.11.log
  Upgrade file: ciscocm.test.cop
```