Videoscape Control Suite Platform Command List

Technical Reference

Please Read

Important

Please read this entire guide. If this guide provides installation or operation instructions, give particular attention to all safety statements included in this guide.

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Preface

About this Guide

This document lists and describes all of the commands available for use in the command line interface (CLI) of Version 3.0 of the Cisco Videoscape Control Suite.

Except where noted, these commands are also supported in Versions 1.0, 2.0, 2.1, and 2.5 of the Videoscape Control Suite. Commands that are no longer supported in Version 3.0 are identified as such.

Command Syntax

```
file transfer secure-import [user@host:file_path]
```

Notes

- The import source file is restricted to any secure external host with [user@host:file] format.

- After import, the file is saved to /common/log/taos-log-a/ftpdir/ directory in the system.

  Example: `file transfer secure-import tester1@192.168.123.123:/etc/test1.log`

- Use the "file list active-log ftpdir" command to see the content in that folder within the system.

```
file transfer secure-export  [local-src-file-path]
[user@host:file_path]
```

Notes

- The export destination is restricted to any secure external host with [user@host:file] format.

- Export can be done on those visible source files within /common/log/taos-log-a/* directory in the system.

  Example: `file transfer secure-export ftpdir/test2.log   tester2@192.168.12.34:/tmp/public/`

- Use the "file list active-log /" command to view all accessible folders/files within the system.

Document Version

This is the fourth formal release of this document, which was updated to support Version 3.0 of the Videoscape Control Suite.

1

Basic Operations

Introduction

This chapter explains how to log into, navigate, and exit the Videoscape Control Suite CLI.

Logging In
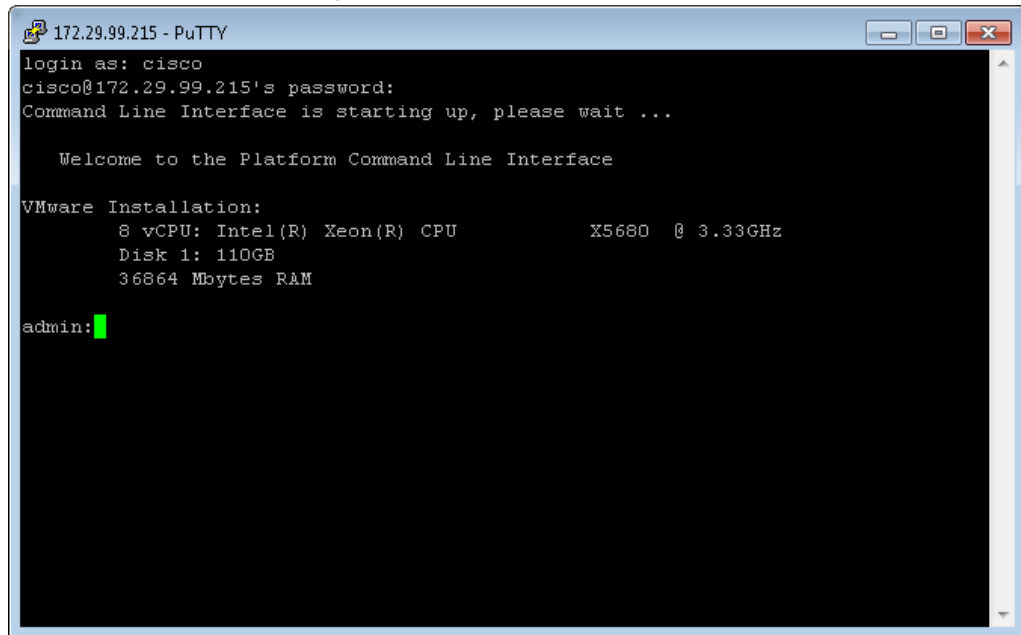
Complete the following steps to log into the Videoscape Control Suite CLI.

1 Obtain and launch a terminal emulation application such as PuTTY.

2 Configure the client as required for telnet and SSH communication with the Videoscape Control Suite server.

3 **Note:** Use the same IP address for the Videoscape Control Suite CLI as when accessing the Videoscape Control Suite via the web GUI.

4 Open a connection to the Videoscape Control Suite. The login prompt appears as shown below.
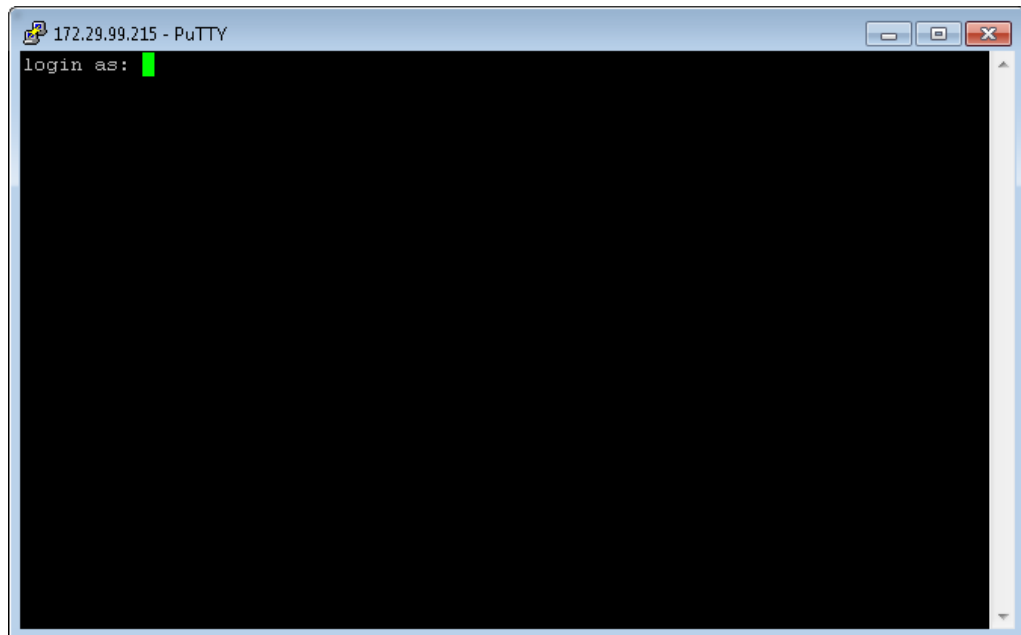
5 Enter the appropriate username and password for CLI communication.

6 **Note:** These credentials may be different from the ones used when accessing the web GUI.

7   The CLI starts and displays the admin: prompt as shown below.
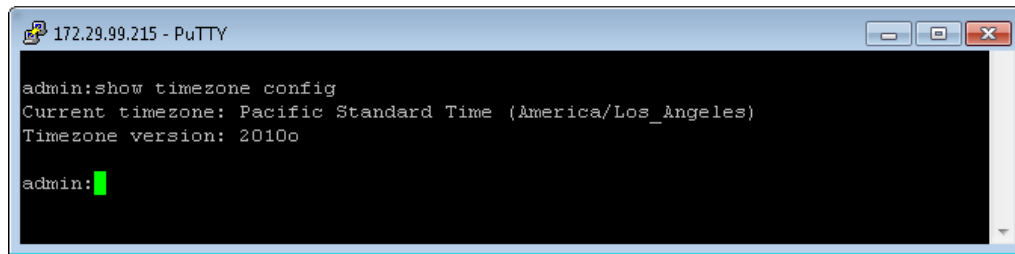
Entering Commands

To enter a command in CLI, type the command at the **admin:** prompt and then press **Enter**.

Note: Be sure to use the correct syntax and spelling as described in this document.
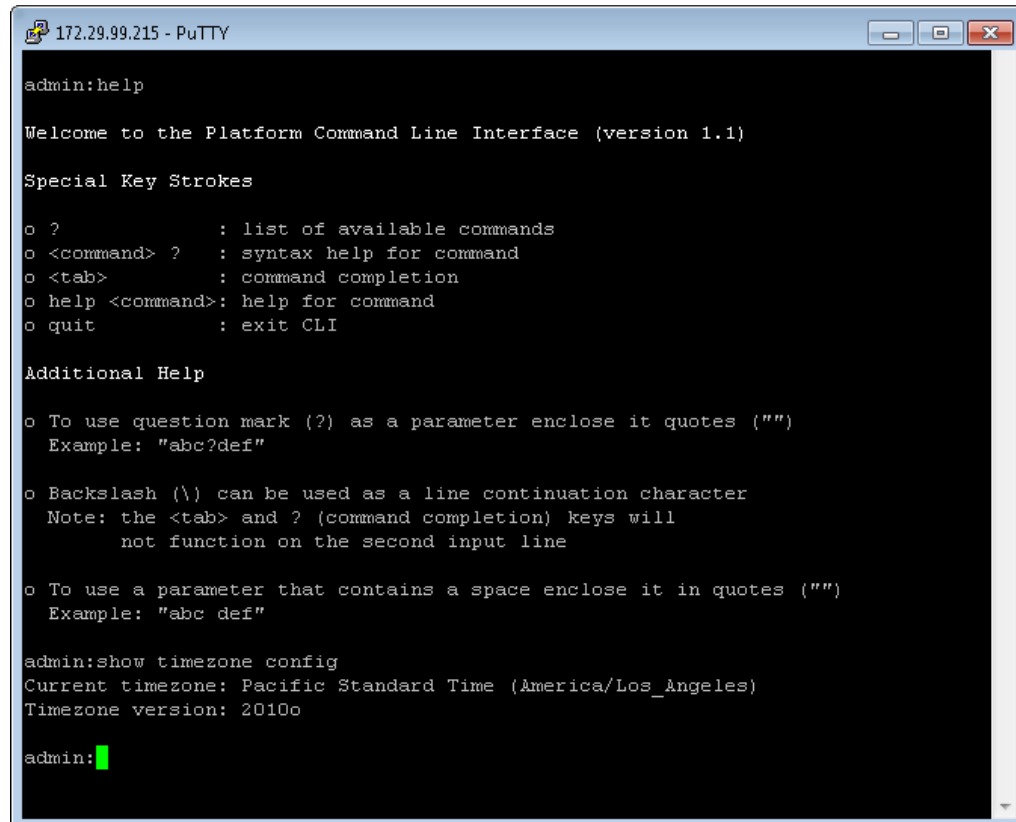
The system displays the appropriate response beneath the command, as shown in the following example.

Getting Help

If you need help when working in the Videoscape Control Suite CLI, type **help** at the **admin:** prompt and then press **Enter**. The Videoscape Control Suite CLI help instructions display as shown below.

Follow the instructions provided to use special keystrokes or get additional help.

Exiting the CLI

To log out of the Videoscape Control Suite CLI, type **Exit** at the **admin:** prompt and then press **Enter**. The connection to the Videoscape Control Suite CLI closes.

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General Commands

Introduction

This chapter lists and describes the general CLI commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite software releases. Commands that are no longer supported in Videoscape Control Suite 2.5 are identified as such.

help

This command displays help for CLI commands. Typing **help** without any command name displays the full CLI help file. Typing **help** with a command name displays help for the specified command only.

Syntax

```
help [command]
```

Optional:

■ command - command name

Developer Notes

Level Privilege	(null)
Command Privilege	0
Allowed During Upgrade	Unknown

quit

Use this command to exit from the CLI.

Syntax

```
quit
```

(no parameters are required)

Developer Notes

Level Privilege	(null)
Command Privilege	0
Allowed During Upgrade	Unknown
Java Class	cmdGeneralExec

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database Commands

Introduction

This chapter lists and describes database node CLI commands for Videoscape Control Suite Software Release 3.0. These commands are recognized only by Videoscape Control Suite DB-service-node types, and are not supported in Videoscape Control Suite Versions 1.0 or 1.5.

database transfer backup

Use this command to back up the database from the local system to the remote host.

Note: This command is only recognized by Videoscape Control Suite DB-service-node types.

Syntax

database transfer backup [dbname] [user@host:file_path]

Required:

- dbname - the name of the local system database to be backed up
- user@host:file_path - the name of the remote host serving as the backup

Usage

database transfer backup [dbname] [user@host:file_path]

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	False
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/user/bin/sudo /usr/local/platform/cli_scripts/conductor_rds_backup.sh"
Param 2	Options

database transfer restore

Use this command to restore the database from a backup on the remote host to the local system.

Note: This command is only recognized by Videoscape Control Suite DB-service-node types.

Syntax

```
database transfer restore [dbname] [user@host:file]
```

Required:

- dbname - the name of the local system database to be restored
- user@host:file - the name of the remote host serving as the backup

Usage

```
database transfer restore [dbname] [user@hodst:file]
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	False
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/user/bin/sudo /usr/local/platform/cli_scripts/conductor_rds_backup.sh"
Param 2	Options

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delete Commands

Introduction

This chapter lists and describes the CLI delete commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

delete account

This command deletes an admin account.

Syntax

`delete account name`

Required:

■ name - name of the admin account

Example

`admin:delete account test2`

Developer Notes

Level Privilege	1
Command Privilege	4
Allowed During Upgrade	No
Java Class	cmdAdminAccounts
Param 0	Fixed - "delete"
Param 1	Mandatory

delete dns

This command deletes the specified domain name server from the system.

Syntax

delete dns addr

Required:

- addr - IP address to be removed

Example

```
admin: delete dns 1.2.3.4

          ***   W A R N I N G   ***

This will cause the system to temporarily lose network connectivity

          Do you want to continue ?

Enter "yes" to continue or any other key to abort

yes

executing...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "dnsdel"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

delete process

Use this command to delete a process.

Note: Only use force if the command alone does not delete the process. Only use terminate if force does not delete the process.

Syntax

```
delete process pid [options]
```

Required:

- pid - the process ID number

Optional:

- force - tells the process to stop.
- terminate - tells the operating system to terminate the process.
- crash - crashes the process with a crash dump.

Example

```
admin: delete process 1429
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/processOperations.sh -kill"
Param 2	Options

delete smtp

This command deletes the SMTP host used to send email.

Syntax

```
delete smtp
```

(no parameters are required)

Example

```
admin:delete smtp
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetSMTP
Param 0	Fixed - "del"
Param 1	Fixed - ""

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file Commands

Introduction

This chapter lists and describes the CLI file commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

file check

This command checks the /usr tree to see if any directories or files have grown or shrunk in size or have been removed since the installation. The parameter **detection-size-kb** selects the minimal amount in KB that a file or directory must change before that change is detected.

Note: This command can use a considerable amount of disk I/O, and should only be run during off-hours.

Syntax

```
file check [detection-size-kb]
```

Optional:

- detection-size-kb - minimal KB change to detect (default 100 KB)

Example

This example only displays files changed by 100 KB or more:

```
admin:file check

Directory/File growth in KB:

      24 KB /usr/local/platform/conf
      24 KB /usr/local/platform/conf/test.txt
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdCheckDiskUsage
Param 0	Fixed - "/usr"
Param 1	Fixed - "/usr/local/platform/conf/usr_du_out.txt"
Param 2	Options

file delete activelog

This command deletes one or more files on an active-side logging area.

Note: The file-spec can contain '*' as a wildcard.

Syntax

```
file delete activelog file-spec [options]
```

Required:

- file-spec - file to delete

Optional:

- detail
- noconfirm

Example

```
admin:file delete activelog platform/log/*.log det noconfirm

deleting file : platform/log/cli00001.log
deleting file : platform/log/cli00002.log
deleting file : platform/log/cli00003.log
deleting file : platform/log/cli00004.log

files:       found = 4, deleted = 4

Note: Files that are in use cannot be deleted
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDeleteFiles
Param 0	Fixed - "file"
Param 1	Fixed - "/var/log/active"
Param 2	Mandatory
Param 3	Options

file delete inactivelog

This command deletes one or more files on an inactive-side logging area.

Note: The file-spec can contain '*' as a wildcard.

Syntax

```
file delete inactivelog file-spec [options]
```

Required:

- file-spec - file to delete

Optional:

- detail

- noconfirm

Example

```
admin:file delete inactivelog platform/log/*.log det noconfirm

deleting file : platform/log/cli00001.log
deleting file : platform/log/cli00002.log
deleting file : platform/log/cli00003.log
deleting file : platform/log/cli00004.log

files:       found = 4, deleted = 4

Note: Files that are in use cannot be deleted
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDeleteFiles
Param 0	Fixed - "file"
Param 1	Fixed - "/var/log/inactive"
Param 2	Mandatory
Param 3	Options

file delete install

This command deletes one or more files on an install-side logging area.

Note: The file-spec can contain '*' as a wildcard.

Syntax

```
file delete install file-spec [options]
```

Required:

- file-spec - file to delete

Optional:

- detail

- noconfirm

Example

```
admin:file delete install platform/log/*.log det noconfirm

deleting file : platform/log/cli00001.log
deleting file : platform/log/cli00002.log
deleting file : platform/log/cli00003.log
deleting file : platform/log/cli00004.log

files:      found = 4, deleted = 4

Note: Files that are in use cannot be deleted
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDeleteFiles
Param 0	Fixed - "files"
Param 1	Fixed - "/var/log/install"
Param 2	Mandatory
Param 3	Options

file dump sftpdetails

This is an interactive command that first prints the list of the files that can be dumped in the SFTP context. After listing, it asks for the option to dump the file.

Syntax

```
file dump sftpdetails
```

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdSftpDetails

file dump activelog

This command dumps the contents of a file on an active-side logging area.

Syntax

```
file dump activelog file-spec [options]
```

Required:

- file-spec - file to dump

Optional:

- hex

- regexp "expression"

- recent - to dump the most recently changed file in the directory

Example

```
admin:file dump activelog platform/log/cli00001.log
2005-08-03 15:01:39,482 INFO [main] - Startup of CLI
Getting XML configuration file
....
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "dump"
Param 1	Fixed - "/var/log/active"
Param 2	Mandatory
Param 3	Options

file dump inactivelog

This command dumps the contents of a file on an inactive-side logging area.

Syntax

```
file dump inactivelog file-spec [options]
```

Required:

- file-spec - file to dump

Optional:

- hex

- regexp "expression"

- recent - to dump the most recently changed file in the directory

Example

```
admin:file dump inactivelog platform/log/cli00001.log
2005-08-03 15:01:39,482 INFO [main] - Startup of CLI
Getting XML configuration file
....
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "dump"
Param 1	Fixed - "/var/log/inactive"
Param 2	Mandatory
Param 3	Options

file dump install

This command dumps the contents of a file on an install-side logging area.

Syntax

```
file dump install file-spec [options]
```

Required:

- file-spec - file to dump

Optional:

- hex
- regexp "expression"
- recent - to dump the most recently changed file in the directory

Example

```
Setting up SSH PKI keys for LOGIN:sftpuser at HOST:localhost
spawn sftp sftpuser@localhost
....
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "dump"
Param 1	Fixed - "/var/log/install"
Param 2	Mandatory
Param 3	Options

file list activelog

This command lists active logging files.

Note: The file-spec can contain '*' as wildcards.

Syntax

```
file list activelog file-spec [options]
```

Required:

- file-spec - file to view

Optional:

- page - pauses output
- detail - shows detailed listing
- reverse - reverses sort order
- date - sorts by date
- size - sorts by size

Example

```
admin:file list activelog platform detail
02 Dec,2004 12:00:59     <dir>    drf
02 Dec,2004 12:00:59     <dir>    log
16 Nov,2004 21:45:43       8,557  enGui.log
27 Oct,2004 11:54:33      47,916  startup.log
dir count = 2, file count = 2
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdListLogFiles
Param 0	Fixed - "/var/log/active"
Param 1	Mandatory
Param 2	Options

file list inactivelog

This command lists inactive logging files.

Note: The file-spec can contain '*' as wildcards.

Syntax

```
file list inactivelog file-spec [options]
```

Required:

- file-spec - file to view

Optional:

- page - pauses output
- detail - shows detailed listing
- reverse - reverses sort order
- date - sorts by date
- size - sorts by size

Example

```
admin:file list inactivelog platform detail
02 Dec,2004 12:00:59      <dir>    drf
02 Dec,2004 12:00:59      <dir>    log
16 Nov,2004 21:45:43       8,557   enGui.log
27 Oct,2004 11:54:33      47,916   startup.log
dir count = 2, file count = 2
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdListLogFiles
Param 0	Fixed - "/var/log/inactive"
Param 1	Mandatory
Param 2	Options

file list install

This command installs logging files.

Note: The file-spec can contain '*' as wildcards.

Syntax

```
file list install file-spec [options]
```

Required:

- file-spec - file to view

Optional:

- page - pauses output
- detail - shows detailed listing
- reverse - reverses sort order
- date - sorts by date
- size - sorts by size

Example

```
admin:file list install platform detail
21 Oct,2004 09:36:44            98  install-result.xml
21 Oct,2004 09:36:31           131  install-version.xml
25 Oct,2004 16:03:42        98,098  install.log
19 Oct,2004 12:01:52       320,439  install_post.log
19 Oct,2004 11:30:35        11,100  ks.cfg
19 Oct,2004 11:30:35           208  partAlloc
dir count = 0, file count = 6
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdListLogFiles
Param 0	Fixed - "/var/log/install"
Param 1	Mandatory
Param 2	Options

file load cop

This command loads and applies Videoscape Control Suite COP (aka patch and feature file) that is currently residing in the transfer directory.

Syntax

`file load cop cop-file`

Required:

- cop-file - COP file to load

Example

`admin: file load cop test.cop.sgn`

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/cop install.sh"
Param 2	Options

file search activelog

This command searches the contents of active-side logging files for the given reg-exp and displays the matching lines.

Note: The file-spec can contain '*' or '?' as wildcards.

Syntax

```
file search activelog file-spec reg-exp [options]
```

Required:

- file-spec - file to view
- reg-exp - regular expression to be searched (to include "s escape them with \)

Optional:

- reltime - only search files that were modified within relative time
- abstime - only search files that were modified within specific time range
- ignorecase - ignore case distinctions
- recurs - search for the pattern recursively through subdirectories

Notes:

- The format for reltime is days|hours|minutes timevalue.
- The format for abstime is hh:mm:ss mm/dd/yyyy hh:mm:ss mm/dd/yyyy.

Example

```
admin:file search activelog platform/log/platform.log Err[a-z]
ignorecase
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSearchLogFilesGrep
Param 0	Fixed - "/var/log/active"
Param 1	Mandatory
Param 2	Mandatory
Param 3	Options

file search inactivelog

This command searches the contents of inactive-side logging files for the given reg-exp and displays the matching lines.

Note: The file-spec can contain '*' or '?' as wildcards.

Syntax

```
file search inactivelog file-spec reg-exp [options]
```

Required:

- file-spec - file to view
- reg-exp - regular expression to be searched

Note: To include the " character, precede it with the \ character.

Optional:

- reltime - only search files that were modified within relative time
- abstime - only search files that were modified within specific time range
- ignorecase - ignore case distinctions
- recurs - search for the pattern recursively through subdirectories

Notes:

- The format for reltime is days|hours|minutes timevalue.
- The format for abstime is hh:mm:ss mm/dd/yyyy hh:mm:ss mm/dd/yyyy.

Example

```
admin:file search inactivelog platform/log.platfom.log Err[a-z]
ignorecase
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSearchLogFilesGrep
Param 0	Fixed - "/var/log/inactive"
Param 1	Mandatory
Param 2	Mandatory
Param 3	Options

file search install

This command searches the contents of an install logging file for the given reg-exp and displays the matching lines.

Note: The file-spec can contain '*' or '?' as wildcards.

Syntax

```
file search install file-spec reg-exp [options]
```

Required:

- file-spec - file to view
- reg-exp - regular expression to be searched

Note: To include the " character, precede it with the \ character.

Optional:

- reltime - only search files that were modified within relative time
- abstime - only search files that were modified within specific time range
- ignorecase - ignore case distinctions
- recurs - search for the pattern recursively through subdirectories

Note:

- The format for reltime is days|hours|minutes timevalue.
- The format for abstime is hh:mm:ss mm/dd/yyyy hh:mm:ss mm/dd/yyyy.

Example

```
admin:file search install install_post.log Err[a-z] page
ignorecase
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSearchLogFilesGrep
Param 0	Fixed - "/var/log/install"
Param 1	Mandatory
Param 2	Mandatory
Param 3	Options

file tail activelog

This command tails the contents of a file on an active-side logging area.

Syntax

```
file tail activelog file-spec [options]
```

Required:

- file-spec - file to tail

Optional:

- hex
- [num lines]
- regexp "expression"
- recent - to tail the most recently changed file in the directory

Example

This example tails the file starting with the last 10 lines with pagination enabled:

```
admin:file tail activelog platform/log/cli00001.log page 10

2005-08-03 15:01:41,248 DEBUG [main] - cmdMVL size = 0
2005-08-03 15:01:41,248 INFO [main] - adding command in level3
(password/security)
2005-08-03 15:01:41,249 DEBUG [main] - begin for level4, topVL size = 0
2005-08-03 15:01:41,250 DEBUG [main] - begin for level4, topVL size = 0
2005-08-03 15:01:41,256 DEBUG [main] - begin for level3, topVL size = 0
2005-08-03 15:01:41,257 DEBUG [main] - begin for level2, topVL size = 0
2005-08-03 15:01:41,884 INFO [main] - merging complete
2005-08-03 15:06:27,619 INFO [main] - got to save history
2005-08-03 15:06:27,620 INFO [main] - Exiting CLI
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "tail"
Param 1	Fixed - "/var/log/active"
Param 2	Mandatory
Param 3	Options

file tail inactivelog

This command tails the contents of a file on an inactive-side logging area.

Syntax

```
file tail inactivelog file-spec [options]
```

Required:

- file-spec - file to tail

Optional:

- hex
- [num lines]
- regexp "expression"
- recent - to tail the most recently changed file in the directory

Example

```
admin:file tail inactivelog platform/log/cli00001.log

2005-08-03 15:01:41,248 DEBUG [main] - cmdMVL size = 0
2005-08-03 15:01:41,248 INFO [main] - adding command in level3
(password/security)
2005-08-03 15:01:41,249 DEBUG [main] - begin for level4, topVL size = 0
2005-08-03 15:01:41,250 DEBUG [main] - begin for level4, topVL size = 0
2005-08-03 15:01:41,256 DEBUG [main] - begin for level3, topVL size = 0
2005-08-03 15:01:41,257 DEBUG [main] - begin for level2, topVL size = 0
2005-08-03 15:01:41,884 INFO [main] - merging complete
2005-08-03 15:06:27,619 INFO [main] - got to save history
2005-08-03 15:06:27,620 INFO [main] - Exiting CLI
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "tail"
Param 1	Fixed - "/var/log/inactive"
Param 2	Mandatory
Param 3	Options

file tail install

This command tails the contents of a file on an install-side logging area.

Syntax

```
file tail install file-spec [options]
```

Required:

- file-spec - file to tail

Optional:

- hex
- [num lines]
- regexp "expression"
- recent - to tail the most recently changed file in the directory

Example

```
admin:file tail install capture.txt

  inflating: Help/ccmcfg/CCM Administration Guide-23-6.html
  inflating: Help/ccmcfg/CCM Administration Guide-23-7.html
  inflating: Help/ccmcfg/CCM Administration Guide-23-8.html
  inflating: Help/ccmcfg/CCM Administration Guide-24-1.html
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDumpFile
Param 0	Fixed - "tail"
Param 1	Fixed - "/var/log/install"
Param 2	Mandatory
Param 3	Options

file transfer secure-export

Use this command to export a file from a local system to a remote host.

Syntax

```
file transfer secure-export [local-src-file-path]
[user@host:file_path]
```

**Example: `file transfer secure-export ftpdir/test2.log
tester2@192.168.12.34:/tmp/public`**

Developer Notes

- The export operation is restricted to a secure, external host with [user@host:file] format.

- The export operation can be performed upon visible source files within the /common/log/taos-log-a/* directory in the system.

- Use the file list active-log / command to view all accessible folders/files within the system.

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/file _transfer.sh -export"
Param 2	Options

file transfer secure-import

Use this command to import a file from a secure, remote host into the system.

Syntax

```
file transfer secure-import [user@host:file]
```

**Example: file transfer secure-import
tester1@192.168.123.123:/etc/test1.log**

Developer Notes

- The imported source file is restricted to any secure external host with [user@host:file] format.

- After the import, the file is saved at the /common/log/taos-log-a/ftpdir/ directory in the system.

- Use the file list active-log ftpdir command to view the contents of this directory.

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/file _transfer.sh -import"
Param 2	Options

file view activelog

This command shows the contents of active-side logging files.

Syntax

```
file view activelog file-spec
```

Required:

- file-spec - file to view

Note: The file-spec must resolve to a single file.

Example

```
admin:file view activelog platform/log/platform.log
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdShowLogFiles
Param 0	Fixed - "/var/log/active"
Param 1	Mandatory

file view inactivelog

This command shows the contents of an inactive-side logging file.

Syntax

```
file view inactivelog file-spec
```

Required:

■ file-spec - file to view

Note: The file-spec must resolve to a single file.

Example

```
admin:file view inactivelog platform/log.platfom.log
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdShowLogFiles
Param 0	Fixed - "/var/log/inactive"
Param 1	Mandatory

file view install

This command shows the contents of an install logging file.

Syntax

```
file view install file-spec
```

Required:

- file-spec - file to view

Note: The file-spec must resolve to a single file.

Example

```
admin:file view install install_post.log
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdShowLogFiles
Param 0	Fixed - "/var/log/install"
Param 1	Mandatory

6

set Commands

Introduction

This chapter lists and describes the CLI set commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

set account name

Use this command to create a new admin account. You will be prompted for a privilege level and password.

Syntax

set account name

Required:

- name - name of the admin account

Example

admin:set account name test2

Please enter the privilege level :1

Please enter the password :******

re-enter to confirm :******

Developer Notes

Level Privilege	0
Command Privilege	4
Allowed During Upgrade	No
Java Class	cmdAdminAccounts
Param 0	Fixed - "create"
Param 1	Mandatory

set account enable

Use this command to enable a user account that has been disabled due to password inactivity. The password inactivity period is the number of days of inactivity after a password has expired before the account is disabled.

On executing this command, the user account is enabled with current system settings.

The following system settings are affected:

- Password min days
- Password max days
- Password inactivity period

Syntax

```
set account enable
```

Required:

- user-id - name of the user account

Example

```
Trying to enable the user account test. This account is disabled due to
password inactivity period.
admin:set account enable test
Enabling the account 'test' with current settings....
.....
Successfully enabled account 'test'
```

Developer Notes

Level Privilege	0
Command Privilege	4
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlUserAccount.sh -e"
Param 2	Options

set accountlocking enable

This command enables account locking for the current admin accounts.

Syntax

set accountlocking enable

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdAcctLockout.sh -e"
Param 2	Options

set accountlocking disable

This command disables account locking for the current admin accounts.

Syntax

```
set accountlocking disable
```

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdA cctLockout.sh -d"
Param 2	Options

set accountlocking unlocktime

Use this command to configure the unlock time for CUCM OS admin accounts in seconds. Acceptable values are equal-to or greater-than 30 seconds, but less than 3600 seconds (60 mins).

Syntax

```
set accountlocking unlocktime seconds
```

Required:

- seconds - unlock time in seconds

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdAcctLockout.sh -c"
Param 2	Options

set accountlocking count

Use this command to configure the consecutive login failure count before locking out the CUCM OS account. Acceptable values are equal to or greater than 2 attempts, but less than 6 attempts.

Syntax

set accountlocking count attempts

Required:

■ attempts - number of consecutive login failures before locking account

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdAcctLockout.sh -r"
Param 2	Options

set cli pagination

Use this command to turn automatic pagination ON or OFF for the current CLI session. Use the **show cli pagination** command to see the status of automatic pagination.

Syntax

```
set cli pagination opt
```

Required:

- opt - **on** to turn pagination ON, or **off** to turn pagination OFF.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdCliPagination
Param 0	Mandatory

set cli session timeout

This command sets the number of minutes of inactivity on console interface sessions after which users are logged out and their sessions are invalidated.

Syntax

```
set cli session timeout minutes
```

Required:

- minutes - number of minutes after which sessions are declared to be invalid; range is 5 to 99999

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSessionTimeout
Param 0	Fixed - "cli"
Param 1	Mandatory

set date

Use this command to change the date and time.

Note: If the server is configured to synchronize with any external NTP server(s), this command requires the user to remove all such NTP servers.

Syntax

```
set date HH:mm:ss:MM/DD/YY
```

Required:

- HH:mm:ss - the time format (24-hour format)
- MM/DD/YY - the date format

Note: The MM/DD/YYYY date format is also accepted.

Example

The following example sets the date and time to 2:10:33 pm Feb 13th 2008.

```
admin:set date 14:10:33:02/13/08
```

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetDate
Param 0	Mandatory

set smtp

This command sets the SMTP host used to send email.

Syntax

`set smtp host`

Required:

■ host - the host name

Example

`admin:set smtp smtpmail`

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetSMTP
Param 0	Fixed - "set"
Param 1	Mandatory

set logging enable

This command enables logging for the current admin accounts.

Syntax

`set logging enable`

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSettings
Param 0	Fixed - "log"
Param 1	Fixed - "debug"

set logging disable

set logging disable

This command disables logging for the current admin accounts.

Syntax

```
set logging disable
```

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSettings
Param 0	Fixed - "log"
Param 1	Fixed - "info"
Param 2	Options

set network failover

Use this command to enable or disable network failover.

Enabling network failover creates a virtual interface (bond0) that uses Ethernet interface eth0, but fails over to eth1 if eth0 fails. All three interfaces (bond0, eth0, and eth1) share the same IP and MAC address.

Disabling network failover restores Ethernet interface eth0 with equivalent configuration parameters, and removes the virtual interface bond0.

Note: Setting failover causes a restart of the system.

Syntax

```
set network failover op
```

Required:

- op - operation, **ena** to enable or **dis** to disable

Example

```
admin:set network failover enable

Creating virtual interface bond0 to failover ethernet interface eth0 to eth1
should eth0 fail.

        ***   W A R N I N G   ***

This will cause the system to restart - Do you want to continue?
Enter "yes" to continue and restart or any other key to abort

yes

executing...

Broadcast message from root (Thu Jun 21 13:00:21 2012):

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetNetworkFailover
Param 0	Fixed - "network"
Param 1	Fixed - "failover"
Param 2	Mandatory
Param 3	Options

set network route

Use this command to add the specified IPv4 route to the routing table.

Syntax

```
set network route network/mask gateway device
```

Example

```
set network route 10.10.10.0/24 20.1.1.1
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route_add"
Param 2	Optional

set network route6

Use this command to add the specified IPv6 route to the routing table.

Syntax

```
set network route6 network/mask gateway device
```

Example

```
set network route6 2000::/3 2001:0db8:0:f101::1
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route6_add"
Param 2	Optional

set network gateway

This command sets the gateway to a new IP address.

Caution:

■ This command causes a temporary loss of network connectivity.

■ Entering the wrong gateway address effectively disables network access to this node.

Syntax

```
set network gateway addr
```

Required:

■ addr - IP address to be assigned

Example

```
admin:set network gateway 192.168.1.1

        ***  W A R N I N G  ***
This will cause the system to temporarily lose network connectivity

        Do you want to continue ?
Enter "yes" to continue or any other key to abort
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "gw"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

set network hostname

This command sets the network host name, and then causes a restart of the system.

The host name (hostname) must follow the rules for ARPANET host names. It:

- Must start with an alphanumeric character.
- Must end with an alphanumeric character.
- May contain any alphanumeric characters or hyphen in between.
- Must be no more than 63 characters in length.

Syntax

```
set network hostname name
```

Required:

- name - host name to be assigned

Example

```
admin:set network hostname myname
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "system"
Param 1	Fixed - "hostname"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

set network mtu

This command sets the MTU maximum size to the value specified by the size parameter.

Caution: This command causes a temporary loss of network connectivity.

Syntax

```
set network mtu size
```

Required:

■ size - MTU maximum size

Note: The standard size is 1500.

Example

```
admin:set network mtu 576

        ***   W A R N I N G   ***
This will cause the system to temporarily lose network connectivity

        Do you want to continue ?
Enter "yes" to continue or any other key to abort
yes
executing...
admin:
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "mtu"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

set network domain

This command sets the domain of the system.

The domain name must follow the rules for ARPANET host names. It:

- Must be at least one character in length.
- Must start with a letter or digit.
- Must end with a letter or digit.
- Must have as interior characters only letters, digits, and hyphen.
- Must have a label no more than 63 characters in length.
- May contain any of the 52 alphabetic characters A through Z in upper case, and a through z in lower case, and any one of the ten digits 0 through 9.

Note: While upper and lower case letters are allowed in domain names, no significance is attached to the case. That is, two names with the same spelling but different case are to be treated as if identical.

Caution: Running this command causes a temporary loss of network connectivity.

Syntax

```
set network domain name
```

Required:

- name - domain name in which the system resides

Example

```
admin:set network domain cisco.com
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "domain"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

set network status eth0

This command sets the state of the Ethernet interface eth0 to UP or DOWN.

Syntax

```
set network status eth0 state
```

Required:

- state - up or down

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "status"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Optional

set network status eth1 up

This will set the state of the Ethernet interface eth1 to up.

Syntax

```
set network status eth1 up
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_up eth1"
Param 2	Options

set network status eth1 down

This will set the state of the Ethernet interface eth1 to down.

Syntax

```
set network status eth1 down
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_down eth1"
Param 2	Options

set network status eth2 up

This will set the state of the Ethernet interface eth2 to up.

Syntax

```
set network status eth2 up
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_up eth2"
Param 2	Options

set network status eth2 down

This will set the state of the Ethernet interface eth2 to down.

Syntax

```
set network status eth2 down
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_down eth2"
Param 2	Options

set network status eth3 up

This will set the state of the Ethernet interface eth3 to up.

Syntax

```
set network status eth3 up
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_up eth3"
Param 2	Options

set network status eth3 down

This will set the state of the Ethernet interface eth3 to down.

Syntax

```
set network status eth3 down
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_down eth3"
Param 2	Options

set network status eth4 up

This will set the state of the Ethernet interface eth4 to up.

Syntax

```
set network status eth4 up
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_up eth4"
Param 2	Options

set network status eth4 down

This will set the state of the Ethernet interface eth4 to down.

Syntax

```
set network status eth4 down
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_down eth4"
Param 2	Options

set network status eth5 up

This will set the state of the Ethernet interface eth5 to up.

Syntax

```
set network status eth5 up
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/con ductor_intf_up eth5"
Param 2	Options

set network status eth5 down

This will set the state of the Ethernet interface eth5 to down.

Syntax

```
set network status eth5 down
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_down eth5"
Param 2	Options

set network ip eth0

This command sets the Ethernet interface eth0 to a new IP address and mask, and then causes a restart of the system.

Syntax

set network ip eth0 addr mask

Required:

■ addr - IP address to be assigned

■ mask - IP mask to be assigned

Example

```
admin:set network ip eth0 192.168.1.5 255.255.255.0

        ***   W A R N I N G   ***
This will cause the system to restart - Do you want to continue ?
Enter "yes" to continue and restart or any other key to abort
yes
executing...
Broadcast message from root (Thu Jun 21 13:00:21 2012):
The system is going down for restart NOW!
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "system"
Param 1	Fixed - "ip"
Param 2	Fixed - "eth0"
Param 3	Mandatory
Param 4	Mandatory

set network ip eth1

This command sets the Ethernet interface eth1 to a new IP address and mask.

Syntax

set network ip eth1 addr mask

Required:

- addr - IP address to be assigned
- mask - IP mask to be assigned

Example

admin:set network ip eth1 192.168.1.5 255.255.255.0

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_config eth1"
Param 2	Options

set network ip eth2

This command sets the Ethernet interface eth2 to a new IP address and mask.

Syntax

set network ip eth2 addr mask

Required:

- addr - IP address to be assigned
- mask - IP mask to be assigned

Example

admin:set network ip eth2 192.168.1.5 255.255.255.0

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_config eth2"
Param 2	Options

set network ip eth3

This command sets the Ethernet interface eth3 to a new IP address and mask.

Syntax

```
set network ip eth3 addr mask
```

Required:

- addr - IP address to be assigned
- mask - IP mask to be assigned

Example

```
admin:set network ip eth3 192.168.1.5 255.255.255.0
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_config eth3"
Param 2	Options

set network ip eth4

This command sets the Ethernet interface eth4 to a new IP address and mask.

Syntax

set network ip eth4 addr mask

Required:

■ addr - IP address to be assigned

■ mask - IP mask to be assigned

Example

admin:set network ip eth4 192.168.1.5 255.255.255.0

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_config eth4"
Param 2	Options

set network ip eth5

This command sets the Ethernet interface eth5 to a new IP address and mask.

Syntax

```
set network ip eth5 addr mask
```

Required:

- addr - IP address to be assigned

- mask - IP mask to be assigned

Example

```
admin:set network ip eth5 192.168.1.5 255.255.255.0
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_config eth5"
Param 2	Options

set network dhcp eth0 enable

This command sets the Ethernet interface to use DHCP (if not already enabled), and then causes a restart of the system.

Syntax

```
set network dhcp eth0 enable
```

(no optional parameters)

Example

```
admin:set network dhcp eth0 enable

        ***   W A R N I N G   ***
This will cause the system to restart - Do you want to continue ?
Enter "yes" to continue and restart or any other key to abort
yes
executing...
Broadcast message from root (Thu Jun 21 13:00:21 2012):
The system is going down for restart NOW!
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdDhcp
Param 0	Fixed - "system"
Param 1	Fixed - "eth0"

set network dhcp eth0 disable

This command sets the Ethernet interface to not use DHCP (provided DHCP is enabled), and then causes a restart of the system.

Syntax

set network dhcp eth0 disable node_ip net_mask gateway_ip

(no optional parameters)

Example

```
admin:set network dhcp eth0 disable 1.2.3.4  255.255.255.0
5.4.3.2
          ***   W A R N I N G   ***
This will cause the system to restart - Do you want to continue ?
Enter "yes" to continue and restart or any other key to abort
yes
executing...
Broadcast message from root (Thu Jun 21 13:00:21 2012):
The system is going down for restart NOW!
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdDhcp
Param 0	Fixed - "system"
Param 1	Fixed - "eth0"
Param 2	Mandatory
Param 3	Mandatory
Param 4	Mandatory

set network dns primary

This command sets the primary DNS to a new address.

Notes:

- Use of this command causes a temporary loss of network connectivity.

- The command will not accept a new address that matches one of the already configured servers. To swap addresses, first delete the primary address and then add it as the secondary address.

Syntax

set network dns primary addr

Required:

- addr - IP address to be assigned to the primary DNS

Example

```
admin:set network dns primary 1.2.3.4

        ***   W A R N I N G   ***
This will cause the system to temporarily lose network connectivity

        Do you want to continue ?

Enter "yes" to continue or any other key to abort

yes

executing...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "dnsadd"
Param 2	Fixed - "eth0"
Param 3	Fixed - "primary"
Param 4	Mandatory

set network dns secondary

This command sets the secondary DNS to a new address.

Notes:

■ Use of this command causes a temporary loss of network connectivity.

■ The command will not accept a new address that matches one of the already configured servers. To swap addresses, first delete the primary address, and then add it as the secondary address.

Syntax

```
set network dns secondary addr
```

Required:

■ addr - IP address to be assigned to the secondary DNS

Example

```
admin:set network dns secondary 1.2.3.4

        ***   W A R N I N G   ***
This will cause the system to temporarily lose network connectivity
        Do you want to continue ?
Enter "yes" to continue or any other key to abort
yes
executing...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "network"
Param 1	Fixed - "dnsadd"
Param 2	Fixed - "eth0"
Param 3	Fixed - "second"
Param 4	Mandatory

set network dns options

This command sets the DNS options.

Note: Use of this command causes a temporary loss of network connectivity.

Syntax

`set network dns options [timeout xx] [attempts xx] [rotate]`

Optional:

- timeout xx - how long to wait before considering a dns query to have failed, where xx is the number of seconds (1 to 60)

- attempts xx - number of attempts to make before failing, where xx is the number of attempts (1 to 10)

- rotate - try the nameservers in a round-robin fashion. This distributes load across nameservers

Example

```
admin:set network dns options timeout 10

        ***   W A R N I N G   ***
This will cause the system to temporarily lose network connectivity

        Do you want to continue ?

Enter "yes" to continue or any other key to abort

yes

executing...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "dns"
Param 1	Options

set network ipv6 service

Use this command to enable or disable the IPv6 feature.

Note: The server must be rebooted for the change to take effect. Use the **reboot** option to reboot the server; otherwise, you must reboot the server manually for the change to take effect.

Syntax

```
set network ipv6 service action [reboot]
```

Required:

■ action - enables or disables the IPv6 support; possible values are **enable** or **disable**

Optional:

■ reboot - reboot after making the changes (does not reboot by default)

Example

To reboot after enabling IPv6 use:

```
admin:set network ipv6 service ena reboot
Enable IPv6 but then reboot manually:
admin:set network ipv6 service ena
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6Service
Param 0	Mandatory
Param 1	Optional

set network ipv6 dhcp

Use this command to enable or disable the DHCP v6 client on the server.

Note: The server must be restarted for the changes to take effect. Therefore, the machine will be rebooted after using this command.

Syntax

`set network ipv6 dhcp action [reboot]`

Required:

■ action - enables or disables the IPv6 support; possible values are **enable** or **disable**

Optional:

■ reboot - reboot after making these changes

Example

`admin: set network ipv6 dhcp enable`

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6Dhcp
Param 0	Mandatory
Param 1	Optional

set network ipv6 eth1 auto

This will set the Ethernet interface eth1 to have the IPv6 autoconfig feature.

Syntax

```
set network ipv6 eth1 auto
```

Note: No parameters are required.

Example

set network ipv6 eth1 auto

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth1 auto"
Param 2	Options

set network ipv6 eth1 static_address

This will set the Ethernet interface eth1 to a new IPv6 address and prefix length.

Syntax

`set network iv6p eth1 stat`ic_address ipv6_addr prefix_len

Mandatory:

- ipv6_addr — IPv6 addr to be assigned
- Prefix_len — prefix length to be assigned (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth1 static"
Param 2	Options

set network ipv6 eth2 auto

This will set the Ethernet interface eth2 to have the IPv6 autoconfig feature.

Syntax

```
set network ipv6 eth2 auto
```

Note: No parameters are required.

Example

set network ipv6 eth2 auto

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth2 auto"
Param 2	Options

set network ipv6 eth2 static_address

This will set the Ethernet interface eth2 to a new IPv6 address and prefix length.

Syntax

`set network iv6p eth2 stat`ic_address ipv6_addr prefix_len

Mandatory:

- ipv6_addr — IPv6 addr to be assigned
- Prefix_len — prefix length to be assigned (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth2 static"
Param 2	Options

set network ipv6 eth4 auto

This will set the Ethernet interface eth4 to have the IPv6 autoconfig feature.

Syntax

```
set network ipv6 eth4 auto
```

Note: No parameters are required.

Example

set network ipv6 eth4 auto

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth4 auto"
Param 2	Options

set network ipv6 eth4 static_address

This will set the Ethernet interface eth4 to a new IPv6 address and prefix length.

Syntax

`set network iv6p eth4 stat`ic_address ipv6_addr prefix_len

Mandatory:

- ipv6_addr — IPv6 addr to be assigned
- Prefix_len — prefix length to be assigned (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth4 static"
Param 2	Options

set network ipv6 eth5 auto

This will set the Ethernet interface eth5 to have the IPv6 autoconfig feature.

Syntax

`set network ipv6 eth5 auto`

Note: No parameters are required.

Example

set network ipv6 eth5 auto

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth5 auto"
Param 2	Options

set network ipv6 eth5 static_address

This will set the Ethernet interface eth5 to a new IPv6 address and prefix length.

Syntax

`set network iv6p eth5 stat`ic_address ipv6_addr prefix_len

Mandatory:

■ ipv6_addr — IPv6 addr to be assigned

■ Prefix_len — prefix length to be assigned (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth5 static"
Param 2	Options

set network ipv6 static_address

Use this command to set the static IPv6 address on the server.

Syntax

```
set network ipv6 static_address addr mask [reboot]
```

Required:

- addr - IPv6 address

- mask - 0-128

Optional:

- reboot - reboots after applying the changes (does not reboot by default)

Example

```
admin:set network ipv6 static_address fd00:5::21b:78ff:fed1:7da6
64 noreboot
***   W A R N I N G   ***
The Server must be rebooted for these changes to take effect.
Please make sure that you reboot this server.
IPv6 static address is assigned.
admin:
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6SetIPaddress
Param 0	Mandatory
Param 1	Mandatory
Param 2	Optional

set network ipv6 gateway

Use this command to set the IPv6 gateway on the server.

Syntax

Required:

- addr - IPv6 address

Optional:

- reboot - reboots after applying the changes (does not reboot by default)

Example

```
admin:set network ipv6 gateway fe80::21a:30ff:fe97:36de
***   W A R N I N G   ***
The Server must be rebooted for these changes to take effect.
Please make sure that you reboot this server.
The IPv6 gateway is successfully assigned
admin:
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6SetGateway
Param 0	Mandatory
Param 1	Optional

set password history

Use this command to modify the number of passwords maintained in the history for OS admin accounts. New passwords that match remembered passwords are not allowed.

Syntax

```
set password history number
```

Required:

■ number - number of passwords to maintain in history. Enter 0 to disable; the default value is 10, and the upper limit is 20.

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdHistory.sh setRem"
Param 2	Options

set password user admin

Use this command to set a new admin password.

Note: The password must be at least 6 characters long and is checked for strength. The password should not be something you'd find in a dictionary. Do not use a name or any variation of your personal or account name.

Syntax

```
set password user admin
```

(no parameters are required, but you will be prompted for the old and new password)

Example

```
admin:set password user admin
   Please enter the old password :********
   Please enter the new password :********
re-enter new password to confirm :********
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdSetPassword
Param 0	Fixed - "none"
Param 1	Fixed - "admin"
Param 2	Optional

set password user security

Use this command to set a new platform security password.

Note: The password must be at least 6 characters long.

Syntax

set password user security

(no parameters are required, but you will be prompted for a password)

Example

admin:set password user security

Please enter the password :********

re-enter the password to confirm: ********

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdSetPassword
Param 0	Fixed - "none"
Param 1	Fixed - "sftp"
Param 2	Optional

set password inactivity enable

This command enables password inactivity for the OS accounts. The default value is 10 days.

Syntax

`set password inactivity enable`

(no parameters are required)

Example

`admin:set password inactivity enable`

`Enabled password inactivity successfully`

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdInactivity.sh -e"
Param 2	Options

set password inactivity disable

This command disables password inactivity for the OS accounts.

Syntax

set password inactivity disable

(no parameters are required)

Example

admin:set password inactivity disable

Disabled password inactivity successfully

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdInactivity.sh -d"
Param 2	Options

set password inactivity period

This command sets the password inactivity for the OS accounts with the configured value. Acceptable values are 1-99 days.

Syntax

```
set password inactivity period
```

Required:

- days - number of days for password inactivity (1-99)

Example 1

```
admin:set password inactivity period 12
```

Successfully set the Inactivity days to 12

Example 2

```
admin:set password inactivity period as
```

Please enter a positive integral value

Executed command unsuccessfully

Example 3

```
admin:set password inactivity period 100
```

Please enter a value between 1 to 99 days

Executed command unsuccessfully

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdInactivity.sh -v"
Param 2	Options

set password complexity character enable

Use this command to enable password complexity rules for the type of characters in a password.

The num-chars argument is optional; when absent, num-chars defaults to 1. The num-chars argument can also be 0, which disables the character-set requirement.

When enabled and num-chars is not 0, a new password must follow these guidelines:

- It must have at least 'num-chars' lower-case letter(s), and 'num-chars' uppercase letter(s),

- It must have at least 'num-chars' digit(s) and 'num-chars' special character(s).

- All of the 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 once in a single day.

A violation of any of the above rules will result in a failure.

Syntax

`set password complexity character enable [num-chars]`

Optional:

- num-chars - required number of characters from each of the four character sets; when absent, defaults to 1

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdComplexity.sh enable"
Param 2	Options

set password complexity character disable

This command disables password complexity entirely, including the character-sets rule, password character difference rule, and character max-repeat rule. Changes take effect only at the next password change.

When disabled, passwords created or changed after executing the command are no longer required to be strong. That is, passwords are no longer required to include uppercase, lowercase, digits, and special characters.

Syntax

set password complexity character disable

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdComplexity.sh disable"
Param 2	Options

set password complexity character difference

Use this command to enable the password difference rule. The num-chars argument can also be 0, which disables the password difference rule.

When enabled and num-chars is not 0, new passwords must follow these guidelines:

- Any new password character sequence will need to differ from the old password character sequence by at least 'num-chars' characters.

- The admin user password can only be changed once in a single day.

A violation of either of the above rules will result in a failure.

Syntax

set password complexity character difference num-chars

Required:

- num-chars - required number of characters by which the new password character sequence must differ from the old

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdComplexity.sh setdifok"
Param 2	Options

set password complexity character max-repeat

Use this command to enable the character max-repeat rule. The num-chars argument can also be 0, which will disable the character max-repeat rule.

When enabled and num-chars is not 0, new passwords must follow these guidelines:

- Any new password character sequence can have a single character repeated consecutively a maximum of num-chars times.

- The admin user password can only be changed once in a single day.

A violation of either of the above rules will result in a failure.

Syntax

```
set password complexity character max-repeat num-chars
```

Required:

- num-repeat - maximum number of times that a single character can be consecutively repeated in the new password character sequence

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdComplexity.sh setmaxrepeat"
Param 2	Options

set password complexity minimum-length

Use this command to modify the value of minimum password length for CUCM OS accounts. Acceptable values should be equal to or greater than 6. Use this command only after enabling the character complexity of passwords.

Syntax

`set password complexity minimum-length length`

Required:

- length - minimum password length

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinLen.sh -c"
Param 2	Options

set password age maximum

Use this command to modify the value of maximum password age for CUCM OS admin accounts in days. Acceptable values are equal to or greater than 10 days but less than 3650 days (10 years).

WARNING! Using this command will change all existing CLI Admin account password max-age values.

Syntax

```
set password age maximum days
```

Required:

- days - maximum password age in days (10-3649)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMaxAge.sh configure"
Param 2	Options

set password age minimum

Use this command to modify the value of minimum password age for OS admin accounts in days. Acceptable values are equal to or greater than 0 days but less or equal to 10 days.

Syntax

set password age minimum days

Required:

- days - minimum password age in days (0-10)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -c"
Param 2	Options

set password expiry maximum-age enable

Use this command to enable password expiry for OS accounts. This command sets the value of maximum password age to 3650 days (10 yrs) for CUCM OS admin accounts.

Syntax

set password expiry maximum-age enable

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -e"
Param 2	Options

set password expiry maximum-age disable

Use this command to disable password expiry for OS accounts. This means passwords for CUCM OS admin accounts will never expire.

Syntax

set password expiry maximum-age disable

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -d"
Param 2	Options

set password expiry user maximum-age configure

Use this command to modify the value of the maximum password age for a particular OS admin account in days. Acceptable values are equal to or greater than 10 days but less than 3650 days (10 years).

Syntax

`set password expiry user maximum-age configure userid days`

Required:

- days - maximum password age in days (10-3649)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -u"
Param 2	Options

set password expiry user maximum-age disable

Use this command to disable password expiry for a particular OS account.

Syntax

set password expiry user maximum-age disable userid

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -v"
Param 2	Options

set password expiry user minimum-age disable

Use this command to disable minimum password age settings for a particular OS account.

Syntax

set password expiry user minimum-age disable userid

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -v"
Param 2	Options

set password expiry user minimum-age enable

Use this command to enable minimum password age for a particular OS account.

Syntax

set password expiry user minimum-age enable userid

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -u"
Param 2	Options

set password expiry minimum-age enable

Use this command to enable password expiry for OS accounts. This command sets the value of minimum password age to 1 day (24 hrs) for OS admin accounts.

Syntax

`set password expiry minimum-age enable`

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -e"
Param 2	Options

set password expiry minimum-age disable

Use this command to disable minimum password expiry for OS accounts. This means passwords for OS admin accounts can be changed at any interval.

Syntax

set password expiry minimum-age disable

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -d"
Param 2	Options

set password change-at-login enable

Use this command to enable the change-at-login setting for the specified user ID (userid). This forces the user to change his or her password at the next login.

Syntax

set password change-at-login enable userid

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	4
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlUserAccount.sh -l"
Param 2	Options

set password change-at-login disable

Use this command to disable the change-at-login setting for the specified user ID (userid). The user is not forced to change his or her password at the next login.

Syntax

set password change-at-login disable userid

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	4
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlUserAccount.sh -m"
Param 2	Options

set syslog server

Use this command to configure a remote syslog server to which syslog messages will be sent.

Syntax

set syslog server ip-addr/name

Required:

- ip-addr/name - IP address or name

Example

admin: set syslog server 1.1.1.1

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/syslogipset.sh"
Param 2	Options

set rmon cpu

This will configure the system to monitor the CPU utilization.

Syntax

```
set rmon cpu high-threshold high-interval low-threshold low-
interval
```

Required:

- high-threshold — Threshold from which the system will generate an alarm if it lasts longer than the high-interval

- high-interval — Number of consecutive seconds (30 - 120) that the CPU utilization is over the high threshold before an alarm is generated

- low-threshold — Threshold from which the system will clear the high-threshold alarm if it lasts longer than the low-interval

- low-interval — Number of seconds (30 - 120) that the CPU utilization should be below in order to clear the high-threshold alarm

Example

```
admin: set rmon cpu 90 30 50 30
```

The system will monitor the cpu utilization. If the cpu usage is over 90% for a period of 30 seconds, an alarm will be generated via syslog trap.

After that, if the cpu usage is below 50% for 30 seconds, the system will generate an alarm via syslog to inform the users that the system is back to normal.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -cpu"
Param 2	Options

set rmon disk

This will configure the system to monitor the disk usage.

Syntax

set rmon disk high-threshold

Required:

- high-threshold — High disk usage threshold (in percentage) from which the system will generate an alarm about disk usage. The value should be greater than 50 and smaller than 100.

Example

admin: set rmon disk 90

The system will generate an alarm if the disk usage of any partition is higher than 90%. The minimum value is 50% of the space. Then if the free disk space is below 20% of that threshold, another alarm will be generated to let the user know the disk space is recovered.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -disk"
Param 2	Options

set rmon mem

This will configure the system to monitor the memory that is available.

Syntax

```
set rmon mem low-threshold
```

Required:

■ low-threshold — Low memory threshold (in MB) from which the system will generate an alarm about low free memory. The value should be greater than 5 percent of the total memory.

Example

```
admin: set rmon mem 300
```

The system will generate an alarm if the free memory is below 300MB. The minimum value is 5% of the total memory. Then if the free memory is above 20% of that threshold, another alarm will be generated to let the user know the memory system is normalized.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	"/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -mem"
Param 2	Options

set timezone

This command sets the time zone to the specified value. You can either enter the time zone string or the zone ID that you get from the command **show timezone list**.

Note: There is a time zone in the list called Factory. If you set your time zone to Factory, you will have to set it to a valid time zone later. The Factory time zone actually sets the value to GMT0.

Syntax

```
set timezone zone
```

Required:

- zone - the new time zone; enter appropriate string or zone index ID

Note: To obtain a list of valid time zones, use the **show timezone list** CLI command.

Example 1 (Using Time Zone String)

```
admin:set timezone America/Denver

system restart is required

Change timezone and reboot (yes|no)?
```

Example 2 (Using Time Zone ID from Show Timezone List)

```
admin: show timezone list

 ...

 89 - America/Cayenne
 90 - America/Cayman
 91 - America/Chicago
 92 - America/Chihuahua
 93 - America/Coral_Harbour
 94 - America/Cordoba
 95 - America/Costa_Rica
 96 - America/Cuiaba
 97 - America/Curacao
 98 - America/Danmarkshavn
 99 - America/Dawson
100 - America/Dawson_Creek
101 - America/Denver
102 - America/Detroit
103 - America/Dominica

 ...
```

```
Now note the numeric ID of the time zone "America/Denver" and use it in the
command, like:

admin:set timezone 101

Using timezone: America/Denver

A system restart is required

Change timezone and reboot (yes|no)?
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdTimeZone
Param 0	Fixed - "set"
Param 1	Mandatory

set vcs cluster

This command is used to set the VCS cluster id and cluster secret.

Syntax

set vcs cluster id secret

Required:

- id — VCS cluster id
- secret — VCS cluster secret

Example

admin: set vcs cluster clusterid clustersecret

Successfully set the cluster id and cluster secret.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_easy_install.sh cluster "
Param 2	Options

set vcs database oracle

This command is used to set the VCS oracle database.

Syntax

```
set vcs database oracle hostname port servicename msginfrauser
msginfrausersecret platformuser platformusersecret
```

Required:

- hostname — oracle hostname
- port — oracle port
- servicename — oracle service name
- msginfrauser — oracle user for msginfra
- msginfrausersecret — oracle user secret for msginfra
- platformuser — oracle user for platform
- platformusersecret — oracle user secret for platform

Example

admin: set vcs database oracle 90.0.0.5 1521 sername msginfrauser
msginfrausersecret platformuser platformusersecret

The Oracle DB is set successfully.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_easy_install.sh database "
Param 2	Options

set vcs database postgresql

This command is used to set the VCS postgresql database.

Syntax

set vcs database postgresql ip port

Required:

- ip — postgresql IP address
- port — postgresql port

Example

admin: set vcs database postgresql 90.0.0.5 5432

The PostgresQL DB is set successfully.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductordatabase.py set postgresql "
Param 2	Options

set vcs nodetype

This command is used to set the VCS node type.

Syntax

`set vcs nodetype type ip mask`

Required:

- type — service/mgmt-primary/mgmt-secondary

Optional

- ip — ip address for mgmt router

- mask — ip mask for mgmt router

Example

`admin:` set vcs nodetype mgmt-primary

Installing the mgmt router……

Done.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductornodetype.py set "
Param 2	Options

set snmp community read-only

Use this command to set a new read-only community string for snmp.

Syntax

set snmp community read-only community-string

Required:

- community-string — Community string, up to 32 characters

Example

admin: set snmp community read-only hello

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/snmp_config.sh -rocomm"
Param 2	Options

7

show Commands

Introduction

This chapter lists and describes the CLI show commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

show account

This command lists all accounts except for the master admin account.

Syntax

`show account`

(no parameters are required)

Example

`admin:show account`

`Name = test, Privilege = 1`

Developer Notes

Level Privilege	0
Command Privilege	4
Allowed During Upgrade	Yes
Java Class	cmdAdminAccounts
Param 0	Fixed - "list"
Param 1	Fixed - ""

show accountlocking

Use this command to show the current account locking settings.

Syntax

show accountlocking

(no parameters are required)

Example

admin:show accountlocking

Account Lockout is disabled

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdA cctLockout.sh -s"
Param 2	Options

show cli pagination

Use this command to show the current status of CLI pagination.

Syntax

show cli pagination

(no parameters are required)

Example

admin:show cli pagination

Automatic Pagination : Off.

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdCliPagination

show cli session timeout

Use this command to show the current console interface session timeout value in minutes.

Syntax

show cli session timeout

(no parameters are required)

Example

admin:show cli session timeout

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSessionTimeout
Param 0	Fixed - "cli"

show date

This command shows the date and time on the server.

Syntax

show date

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/bin/date"
Param 2	Options

show diskusage activelog

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The **sort** option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage activelog [options]
```

Optional:

- file fname - outputs the information to a file
  Note: The file will be saved in platform/cli/fname.

- directory - only show directories in output

- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/var/log/active/"
Param 1	Options

show diskusage common

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The **sort** option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage common [options]
```

Optional:

- file fname - output the information to a file
  Note: The file will be saved in platform/cli/fname.

- directory - only show directories in output

- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/common/"
Param 1	Options

show diskusage inactivelog

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The sort option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage inactivelog [options]
```

Optional:

- file fname - output the information to a file
  Note: The file will be saved in platform/cli/fname
- directory - only show directories in output
- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/var/log/inactive/"
Param 1	Options

show diskusage install

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The **sort** option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage install [options]
```

Optional:

- file fname - output the information to a file
  Note: The file will be saved in platform/cli/fname.

- directory - only show directories in output

- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/var/log/install/"
Param 1	Options

show diskusage tftp

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The **sort** option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage tftp [options]
```

Optional:

- file fname - output the information to a file
  Note: The file will be saved in platform/cli/fname

- directory - only show directories in output

- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/usr/local/cm/tftp"
Para 1	Options

show diskusage tmp

This command displays the disk usage of the given directory as well as the usage of the directory disk partition. To view only directory sizes, use the **directory** option. To view items sorted by size, use the **sort** option.

Note: The **sort** option displays the sizes in 1024 byte blocks. The output can be saved in a file by using the optional **file** option. This file can be viewed using **file view activelog**.

Syntax

```
show diskusage tmp [options]
```

Optional:

- file fname - output the information to a file
  Note: The file will be saved in platform/cli/fname

- directory - only show directories in output

- sort - sort output by size

Example

The following example displays the file "duout."

```
admin:file view activelog platform/cli/duout
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdDiskUsage
Param 0	Fixed - "/tmp/"
Param 1	Options

show hardware

This command retrieves basic platform hardware information.

Syntax

```
show hardware
```

(no parameters are required)

Example

```
admin:show hardware

HW Platform       : 7825H2
Processors        : 1
Type              : Intel(R) Pentium(R) D CPU 2.80GHz
CPU Speed         : 2800
Memory            : 2048 MBytes
Object ID         : 1.3.6.1.4.1.9.1.583
OS Version        : UCOS 4.0.0.0-6

RAID Version      :
RAID Firmware Version: N/A
RAID BIOS Version:   Not supported

BIOS Information  :
Vendor: HP
Version: D20
Release Date: 03/10/2007

RAID Details      :
Controllers found: 1

---------------------------------
Logical drive information
---------------------------------

Logical drive number 1
   Logical drive name              :
   Status of logical drive         : Optimal
   RAID level                      : 1
   Size                            : 76165 MB
   Number of chunks                : 2
   Drive(s) (Channel,Device)       : 0,1 0,2

Command completed successfully.

Controllers found: 1

Current operation               : None
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformHw

show logins

This command displays previously saved platform admin logins. By default, the list includes the last 20 logins. You can include an optional parameter to adjust this number up or down; a value of 0 displays all previously saved logins.

Syntax

```
show logins [last n]
```

Optional:

- [last n] - show last n logins

Example

```
admin:show logins
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdLast
Param 0	Options

show myself

This command shows information about the current account. The CLI **set logging** command can be used to modify current account settings.

Syntax

```
show myself
```

(no parameters are required)

Example

```
admin:show myself

Machine Name    : cm22
account name    : admin
privilege level : 4
output setting  : disabled
logging setting : disabled
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdAdminAccounts
Param 0	Fixed - "privilege"
Param 1	Fixed - ""

show network all

This command retrieves all basic platform network information. You can use search options to display the output selectively.

Syntax

```
show network all [options]
```

(no parameters are required)

Optional:

- detail - displays more detail
- page - pause output
- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

```
admin:show network all detail
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformNw
Param 0	Fixed - "all"
Param 1	Options

show network cluster

Use this command to show the nodes that are part of the network cluster.

Syntax

show network cluster

(no parameters are required)

Example

admin:show network cluster

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/bin/base_scripts/list_cluster.sh -v"
Param 2	Options

show network configured-routes

This will retrieve the configured IPv4 routes.

Syntax

```
show network configured-routes
```

Example

```
admin:show network configured-routes
```

```
10.10.10.0/24 via 172.29.98.2
20.20.20.0/24 via 1.1.1.1 dev eth1
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route_show"
Param 2	Options

show network configured-routes6

This will retrieve the configured IPv6 routes.

Syntax

show network configured-routes6

Example

admin:show network configured-routes6

2000::/3 via 2001:0db8:0:f101::1
2002:470::/48 via 2002:480::1 dev eth2

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route6_show"
Param 2	Options

show network dhcp eth0

Use this command to display the DHCP status on eth0.

Syntax

show network dhcp eth0 status

(no optional parameters)

Example

admin:show network dhcp eth0 status

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdDhcp
Param 0	Mandatory

show network eth0

This command retrieves some basic platform network information about Ethernet 0.
You can use search options to selectively display the output.

Syntax

show network eth0 [options]

Optional:

- detail

- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

```
admin:show network eth0

Ethernet 0

DHCP         : no                 Status     : UP
IP Address   : 128.107.140.8      IP Mask    : 255.255.255.000
Link Detected: yes                Mode       : Auto off, Full, 100 Mbits/s

DNS

Primary      : 171.70.168.183     Secondary  :
Domain       : cisco.com
Options      : timeout:10 attempts:2 rotate
Gateway      : 128.107.140.1 on Ethernet 0
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformNw
Param 0	Fixed - "eth0"
Param 1	Options

show network eth1

This command retrieves some basic platform network information about Ethernet 1. You can use search options to selectively display the output.

Syntax

show network eth1 [options]

Optional:

- detail

- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

```
admin:show network eth1

Ethernet 1
DHCP         : no                 Status    : UP
IP Address   : 128.107.140.8      IP Mask   : 255.255.255.000
Link Detected: yes                Mode      : Auto off, Full, 100 Mbits/s
Duplicate IP : no                 Mode      : Auto off, Full, 100 Mbits/s
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_show eth1"
Param 2	Options

show network eth2

This command retrieves some basic platform network information about Ethernet 2. You can use search options to selectively display the output.

Syntax

show network eth2 [options]

Optional:

- detail
- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

admin:show network eth2

```
Ethernet 2
DHCP   : no       Status     : UP
IP Address  : 128.107.140.8     IP Mask    : 255.255.255.000
Link Detected: yes       Mode     : Auto off, Full, 100 Mbits/s
Duplicate IP : no
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_show eth2"
Param 2	Options

show network eth3

This command retrieves some basic platform network information about Ethernet 3. You can use search options to selectively display the output.

Syntax

show network eth3 [options]

Optional:

- detail
- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

admin:show network eth3

Ethernet 3

```
DHCP         : no              Status     : UP
IP Address   : 128.107.140.8   IP Mask    : 255.255.255.000
Link Detected: yes             Mode       : Auto off, Full, 100 Mbits/s
Duplicate IP : no
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_show eth3"
Param 2	Options

show network eth4

This command retrieves some basic platform network information about Ethernet 4. You can use search options to selectively display the output.

Syntax

show network eth4 [options]

Optional:

- detail
- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

admin:show network eth4

Ethernet 4

```
DHCP        : no              Status    : UP
IP Address  : 128.107.140.8   IP Mask   : 255.255.255.000
Link Detected: yes            Mode      : Auto off, Full, 100 Mbits/s
Duplicate IP : no             Mode      : Auto off, Full, 100 Mbits/s
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_show eth4"
Param 2	Options

show network eth0

This command retrieves some basic platform network information about Ethernet 5. You can use search options to selectively display the output.

Syntax

show network eth5 [options]

Optional:

- detail

- search srchtxt - to look for srchtxt in the output (case insensitive search)

Example

```
admin:show network eth5

Ethernet 5

DHCP        : no              Status    : UP
IP Address  : 128.107.140.8   IP Mask   : 255.255.255.000
Link Detected: yes            Mode      : Auto off, Full, 100 Mbits/s
Duplicate IP : no             Mode      : Auto off, Full, 100 Mbits/s
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - " /usr/bin/sudo /usr/local/platform/cli_scripts/conductor_intf_show eth5"
Param 2	Options

show network failover

This command displays NIC Teaming network fault tolerance information.

Syntax

show network failover [options]

Optional:

- detail - displays more detail
- page - pause output

Example

admin:show network failover detail

Bond 0

```
DHCP         : disabled           Status     : up
IP Address   : 10.94.150.98       IP Mask    : 255.255.255.000
Link Detected: no                 Mode       : Auto disabled, N/A, N/A
Queue Length : 0                  MTU        : 1500
MAC Address  : 00:13:21:0b:6e:77
RX stats:
bytes  :     91541873   packets :      613184   errors :          0
dropped :           0   overrun :           0   mcast  :          0
TX stats:
bytes  :     14443826   packets :       99895   errors :          0
dropped :           0   carrier :           0   colsns :          0

Ethernet 0

DHCP         : disabled           Status     : up
IP Address   :                    IP Mask    :
Link Detected: yes                Mode       : Auto enabled, Full, 1000MB/s
Queue Length : 1000               MTU        : 1500
MAC Address  : 00:13:21:0b:6e:77
RX stats:
bytes  :     91541873   packets :      613184   errors :          0
dropped :           0   overrun :           0   mcast  :          0
TX stats:
bytes  :     14443826   packets :       99895   errors :          0
dropped :           0   carrier :           0   colsns :          0

Ethernet 1
```

```
DHCP         : disabled          Status     : up
IP Address   :                   IP Mask    :
Link Detected: yes               Mode       : Auto enabled, Full, 1000MB/s
Queue Length : 1000              MTU        : 1500
MAC Address  : 00:13:21:0b:6e:77
RX stats:
bytes   :           0   packets :           0   errors :           0
dropped :           0   overrun :           0   mcast  :           0
TX stats:
bytes   :           0   packets :           0   errors :           0
dropped :           0   carrier :           0   colsns :           0

DNS

Primary      : 10.94.150.77      Secondary  : 10.94.148.14
Domain       : cisco.com
Options      : timeout:10 attempts:2 rotate
Gateway      : 10.94.150.1 on Ethernet bond0
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	CmdShowNetworkFailove
Param 0	Fixed - "show"
Param 1	Fixed - "network"
Param 2	Fixed - "failover"
Param 3	Options

show network ipprefs all

This command displays all incoming ports that can be used on the product.

Syntax

show network ipprefs all

(no parameters are required)

Example

```
admin:show network ipprefs all

Application   IPProtocol    PortValue     Type         XlatedPort    Status
Description
-----------   ----------    ---------     -----------  ----------    ------
-----------

sshd          tcp           22            public       -             enabled
sftp and ssh access
tomcat        tcp           8443          translated   443           enabled
secure web access
tomcat        tcp           8080          translated   80            enabled
web access
racoon        esp           -             public       -             disabled
ipsec traffic
racoon        udp           500           public       -             disabled
ipsec setup port
clm           udp           8500          public       -             enabled
cluster manager
clm           tcp           8500          public       -             enabled
cluster manager
ntpd          udp           123           public       -             enabled
network time sync
cmoninit      tcp           1500          private      -             enabled
IDS port for DB clients
cmoninit      tcp           1501          private      -             disabled
IDS port for upgrades
dblrpc        tcp           1515          private      -             enabled
DB replication port
dbmon         tcp           8001          private      -             enabled
DB change notification port
RisDC         tcp           2555          private      -             enabled
RISDC service port
RisDC         tcp           2556          private      -             enabled
RISDC service port
snmpdm        udp           161           public       -             enabled
SNMP
amc           tcp           1090          private      -             enabled
AMC service port for RTMT
amc           tcp           1099          private      -             enabled
AMC service port for RTMT
ccm           tcp           2000          public       -             enabled
SCCP-SIG
ctftp         udp           6969          translated   69            enabled
TFTP access to CUCM TFTP Server
ctftp         tcp           6970          public       -             enabled
HTTP access to CUCM TFTP Server
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/bin/base_scripts/ipprefs --show-reg"
Param 2	Options

show network ipprefs enabled

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

Syntax

show network ipprefs enabled

(no parameters are required)

Example

```
admin:show network ipprefs enabled

Application   IPProtocol    PortValue    Type        XlatedPort    Status
Description
-----------   ----------    ---------    ----------  ----------    -------
-----------

sshd          tcp           22           public      -             enabled
sftp and ssh access
tomcat        tcp           8443         translated  443           enabled
secure web access
tomcat        tcp           8080         translated  80            enabled
web access
clm           udp           8500         public      -             enabled
cluster manager
clm           tcp           8500         public      -             enabled
cluster manager
ntpd          udp           123          public      -             enabled
network time sync
cmoninit      tcp           1500         private     -             enabled
IDS port for DB clients
dblrpc        tcp           1515         private     -             enabled
DB replication port
dbmon         tcp           8001         private     -             enabled
DB change notification port
RisDC         tcp           2555         private     -             enabled
RISDC service port
RisDC         tcp           2556         private     -             enabled
RISDC service port
snmpdm        udp           161          public      -             enabled
SNMP
amc           tcp           1090         private     -             enabled
AMC service port for RTMT
amc           tcp           1099         private     -             enabled
AMC service port for RTMT
ccm           tcp           2000         public      -             enabled
SCCP-SIG
ctftp         udp           6969         translated  69            enabled
TFTP access to CUCM TFTP Server
ctftp         tcp           6970         public      -             enabled
HTTP access to CUCM TFTP Server
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/bin/base_scripts/ip prefs --show-enabled"
Param 2	Options

show network ipprefs public

This command displays all incoming ports that are currently opened for any remote client.

Syntax

show network ipprefs public

(no parameters are required)

Example

```
admin:show network ipprefs public

Application  IPProtocol   PortValue    Type         XlatedPort   Status
Description
----------   ----------   ---------    ----------   ----------   -------
----------
sshd         tcp          22           public       -            enabled
sftp and ssh access
tomcat       tcp          8443         translated   443          enabled
secure web access
tomcat       tcp          8080         translated   80           enabled
web access
clm          udp          8500         public       -            enabled
cluster manager
clm          tcp          8500         public       -            enabled
cluster manager
ntpd         udp          123          public       -            enabled
network time sync
snmpdm       udp          161          public       -            enabled
SNMP
ccm          tcp          2000         public       -            enabled
SCCP-SIG
ctftp        udp          6969         translated   69           enabled
TFTP access to CUCM TFTP Server
ctftp        tcp          6970         public       -            enabled
HTTP access to CUCM TFTP Server
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/bin/base_scripts/ipprefs --show-public"
Param 2	Options

show network ipv6 route

This command displays all of the IPv6 routes.

Syntax

show network ipv6 route [options]

Optional:

- detail

Example

```
admin:show network ipv6 route

2001:420:15ff:2e::/64 dev eth0  proto kernel  metric 256  expires 214709sec
mtu 1500 advmss 1440 hoplimit 64
fd00:5::/64 dev eth0  proto kernel  metric 256  expires 214709sec mtu 1500
advmss 1440 hoplimit 64
fe80::/64 dev eth0  metric 256  expires 2125737sec mtu 1500 advmss 1440
hoplimit 64
ff00::/8 dev eth0  metric 256  expires 2125737sec mtu 1500 advmss 1440
hoplimit 1
default via fe80::214:f1ff:fe5d:ba00 dev eth0  proto kernel  metric 1024
expires 173sec mtu 1500 advmss 1440 hoplimit 64
unreachable default dev lo  proto none  metric -1  error -101 hoplimit 255

admin:
```

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdIpv6Route
Param 0	Options

show network ipv6 settings

This command displays all of the IPv6 related settings.

Syntax

show network ipv6 settings

(no optional parameters)

Example

```
admin:show network ipv6 settings

IPv6   : enabled
DHCPv6 : disabled
IPv6 addresses:
Address:2001:420:15ff:2e:21b:78ff:fe7b:5990    Mask:64
Scope:Global    Duplicate:no

Address:fe80::21b:78ff:fe7b:5990        Mask:64

Scope:Link

admin:
```

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/bin/base_scripts/show_ipv6_settings.sh"
Param 2	Options

show network route

This command retrieves some basic platform network route information. You can use the search options to selectively display the output.

Syntax

```
show network route [options]
```

Optional:

- detail
- search srchtxt - to look for srchtxt in the output (case-insensitive search)

Example 1 - Failover (NFT) Not Enabled

```
admin:show network route

10.94.150.0/24 dev eth0  proto kernel  scope link  src 10.94.150.94

169.254.0.0/16 dev eth0  scope link

default via 10.94.150.1 dev eth0
```

Example 2: Failover (NFT) Enabled

```
admin:show network route

10.94.150.0/24 dev bond0  proto kernel  scope link  src 10.94.150.98

10.94.150.0/24 dev eth0  proto kernel  scope link  src 10.94.150.98

10.94.150.0/24 dev eth1  proto kernel  scope link  src 10.94.150.98

169.254.0.0/16 dev bond0  scope link

default via 10.94.150.1 dev bond0
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformNw
Param 0	Fixed - "route"
Param 1	Options

show network status

This command retrieves some basic platform network status information. You can use the search options to selectively display the output.

Note: The search option must be followed by a text string. This string cannot contain any spaces or tabs. It is case-insensitive.

Syntax

```
show network status [options]
```

Optional:

- detail - Display additional information
- listen - Display only Listening Sockets
- process - Display the process ID and name of the program to which each socket belongs
- all - Display both Listening and Non-Listening Sockets
- nodns - Displays Numerical Addresses without any DNS information
- search stext - search for the "stext" in the output (case-insensitive search)

Example

```
admin:show network status

Active Internet connections (w/o servers)

Proto Recv-Q Send-Q Local Address          Foreign Address
State

tcp       0       0 vv1-rush.cisco.com:40266   vv1-rush.cisco:vv1_rush_ccm
ESTABLISHED

tcp       0       0 localhost:32824           localhost:8001
ESTABLISHED

  :

  :

admin:show network status search cisco.com

tcp       0       0 vv1-rush.cisco.com:38775   vv1-rush.cisco:vv1_rush_ccm
ESTABLISHED

tcp       0       0 vv1-rush.cisco.com:ssh     philly.cisco.com:48528
ESTABLISHED

tcp       0       0 vv1-rush.cisco.com:46993   vv1-rush.cisco.com:32812
TIME_WAIT

  :

  :
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformNw
Param 0	Fixed - "status"
Param 1	Options

show open files all

This command displays all of the open files on the machine.

Syntax

```
show open files all
```

(no parameters are required)

Developer Notes

Level Privilege	4
Command Privilege	(null)
Allowed During Upgrade	Unknown
Java Class	cmdLSOF
Param 0	Fixed - "ALL"

show open files process

This command displays all of the open files on the machine belonging to given process(es).

Syntax

```
show open files process [ProcessID1,ProcessID2,...]
```

Note: Process IDs should be entered comma delimited.

Example

```
show open files process 1112,2232,4453
```

Developer Notes

Level Privilege	4
Command Privilege	(null)
Allowed During Upgrade	Unknown
Java Class	cmdLSOF
Param 0	Fixed - "PROC"
Param 1	Mandatory

show open files regexp

This command displays all the open files on the machine that match the regular expression.

Syntax

```
show open files regexp "String"
```

("string" is a required parameter)

Example

```
show open files regexp "Informix"
```

Developer Notes

Level Privilege	4
Command Privilege	(null)
Allowed During Upgrade	Unknown
Java Class	cmdLSOF
Param 0	Fixed - "ALL"
Param 1	Fixed - "GREP"
Param 2	Mandatory

show open ports all

This command displays all of the open ports on the machine.

Syntax

show open ports all

(no parameters are required)

Developer Notes

Level Privilege	4
Command Privilege	(null)
Allowed During Upgrade	Unknown
Java Class	cmdLSOF
Param 0	Fixed - "OP"

show open ports regexp

This command displays all of the open ports on the machine that match a specified case-sensitive regular expression.

Syntax

```
show open ports regexp "string"
```

("string" is a required parameter and is case-sensitive)

Example

```
show open ports regexp "Informix"
```

Developer Notes

Level Privilege	4
Command Privilege	(null)
Allowed During Upgrade	Unknown
Java class	cmdLSOF
Param 0	Fixed - "OP"
Param 1	Fixed - "GREP"
Param 2	Mandatory

show packages active

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

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

Syntax

```
show packages active pkg [options]
```

Required:

- pkg - name of package(s)

Optional:

- page - pause output

Example

```
admin:show packages active web
Active Side Package(s): for *web* package(s)
cm-svc-web-0.0.0.1-1
cm-webdialer-0.0.0.1-0
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java class	cmdPlatformVer
Param 0	Fixed - "active"
Param 1	Mandatory
Param 2	Options

show packages inactive

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

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

Syntax

```
show packages inactive pkg [options]
```

Required:

- pkg - name of package(s)

Optional:

- page - pause output

Example

```
admin:show packages inactive web
Inactive Side Package(s): for *web* package(s)
cm-svc-web-0.0.0.1-1
cm-webdialer-0.0.0.1-0
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java class	cmdPlatformVer
Param 0	Fixed - "inactive"
Param 1	Mandatory
Param 2	Options

show password age

This command displays the configured password age parameters.

Syntax

show password age

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMaxAge.sh status"
Param 2	Options

show password inactivity

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

Syntax

show password inactivity

(no parameters are required)

Example

admin:show password inactivity

Password Inactivity : Enabled and is currently set to 10 days

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdInactivityA.sh -s"
Param 2	Options

show password history

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

Syntax

`show password history`

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdHistory.sh status"
Param 2	Options

show password expiry maximum-age

This command displays the configured maximum-age password expiration parameters.

Syntax

show password expiry maximum-age

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -s"
Param 2	Options

show password expiry minimum-age

This command displays the configured minimum-age password expiration parameters.

Syntax

show password expiry minimum-age

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -s"
Param 2	Options

show password user maximum-age

This command displays the configured maximum-age password expiration parameters for a particular OS user.

Syntax

`show password expiry user maximum-age userid`

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -w"
Param 2	Options

show password expiry user maximum-age

This command can be used to see the configured password expiration parameters for a particular OS user.

Syntax

`show password expiry user maximum-age userid`

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdExpiry.sh -w""
Param 2	Options

show password expiry user minimum-age

This command displays the configured minimum-age password expiration parameters for a particular OS user.

Syntax

show password expiry user minimum-age userid

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinAge.sh -w"
Param 2	Options

show password expiry user list

This command displays the configured password expiration parameters for all OS CLI users.

Syntax

`show password expiry user list`

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdShowUsers
Param 0	Fixed - "-list_pw_age_limits
Param 1	Options

show password complexity character

This command displays the status of the password complexity rules: whether they are enabled or disabled; and if enabled, their current settings.

The password complexity rules include the following:

- Character Sets rule - Defines the number of characters required from each of the four character sets - upper-case, lower-case, numbers, and special characters.

- Character Difference rule - Defines the required number of characters that the new password character sequence must differ from the old password character sequence.

- Character Max Repeat rule - The maximum number of times that a single character can be consecutively repeated in the new password character sequence.

- Password History rule - The number of previous passwords that cannot be reused.

When enabled, new passwords will need to follow these guidelines:

- The password character complexity rules must be strictly observed.

- All of the adjacent characters on the keyboard will not be accepted.

- The admin user password can only be changed once in a single day.

A violation of any of the above rules will result in a failure.

Syntax

```
show password complexity character
```

(no parameters are required)

Example

```
admin:show password complexity character

Password character complexity rules to be used for OS user passwords are:

Character Sets      rule : 2 character(s) required from each of: lower-case,
upper-case, numbers, special.
Password Difference rule : 4 character(s) that the new and old password
character sequences must differ by.
Character MaxRepeat rule : disabled
Password History    rule : 10 of the previous passwords cannot be reused.
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdComplexity.sh status"
Param 2	Options

show password complexity length

This command displays the minimum length of passwords that need to be used for CUCM OS accounts. The default value is 6.

Syntax

```
show password complexity length
```

(no parameters are required)

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlPasswdMinLen.sh -s"
Param 2	Options

show password change-at-login

This command displays the change-at-login setting for the specified user ID.

Syntax

show password change-at-login userid

Required:

- userid - the user ID of the setting to be displayed

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /root/.security/ia/controlUserAccount.sh -s"
Param 2	Options

show process list

This command displays a list of all processes and critical information about each of them. This command also displays the child-parent relationship between these processes.

You can use the detail option to get a more detailed view of these processes. The file option can be used to redirect the output of this command.

Syntax

```
show process list [options]
```

Optional:

- file - file name for the output
- detail - show process's page fault, virtual memory, start time, and so on
- vm - virtual memory of the process

Example

```
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

...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "list"
Param 1	Options

show process load

This command shows the current load on the system, including the number (num) of processes using the most CPU, memory, or time.

Note: Only one of the options (CPU, memory, or time) may be specified. If more than one is specified, the last will be used. If none are specified, CPU is assumed.

Syntax

```
show process load [options]
```

(no parameters are required)

Optional:

- cont - the command will repeat continuously

- clear - the screen will clear before displaying output

- page - pause output

- noidle - the command will ignore the idle/zombie processes

- num XX - configure the number of processes to be displayed using the most CPU, where XX is the number of processes. The default is 10, the minimum value is 1; use **all** for all processes

- thread - show threads

- cpu - sort output by CPU usage

- memory - sort output by memory usage

- time - sort output by time usage

Note: Only one of the load options - CPU, memory, or time - may be specified at one time.

Example

```
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 bdflush
    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
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NOP_ECHO"
Param 1	"/usr/local/platform/cli_scripts/processOperations.sh -load"
Param 2	Options

show process name

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

Syntax

show process name process-name [file file-name]

Required:

- process-name - name of the process

Optional:

- file - the file name for the output
- vm - virtual memory of the process
- detail - show process's page fault, virtual memory, start time, and so on
- cont - to repeat the command continuously

Example

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "name"
Param 1	Mandatory
Param 2	Options

show process open-fd

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

Syntax

```
show process open-fd p1,p2,p3 ...
```

Optional:

- file - the file name for the output
- p1 - process id of the process-1
- p2 - process id of the process-2
- p3 - process id of the process-3
- cont - to repeat the command continuously

Example

```
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/libcsa.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

...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "fd"
Param 1	Mandatory
Param 2	Options

show process pid

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

Syntax

show process pid pid [file file-name]

Required:

- pid - name of the PID

Optional:

- file - the file name for the output
- vm - virtual memory of the process
- detail - show process's page fault, virtual memory, start time, and so on
- cont - to repeat the command continuously

Example

```
admin:show process pid 9117 vm

PID PPID TID NICE PCPU STATE ARGS

  PID TTY       STAT   TIME  MAJFL   TRS   DRS  RSS %MEM COMMAND

 9117 ?        S    168:57  23927    15 962304 151944  7.3
/home/tomcat/tomcat

/home/tomcat/tomcatJlauncherConfig.xml -

Djava.library.path=/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i
386:/usr/local/thirdparty/java/j

2sdk/jre/lib/i386/server:/usr
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "pid"
Param 1	Mandatory
Param 2	Options

show process search

This command lets you search for particular patterns in the output of the operating-system specific process listing.

Syntax

```
show process search regexp
```

Required:

■ regexp - the regular express (case insensitive)

Optional:

■ file - the file name for the output

Example

```
admin:show process search Ciscodrf*

drf       12214     1  0 10:05 ?        00:00:10
/usr/local/platform/bin/CiscoDRFMaster

/usr/local/platform/conf/CiscoDRFMasterCfg.xml

drf       12239     1  0 10:05 ?        00:00:11
/usr/local/platform/bin/CiscoDRFLocal

/usr/local/platform/conf/CiscoDRFLocalCfg.xml

admin    28095 27709  0 14:37 pts/1    00:00:00 /bin/bash
/usr/local/platform/cli_scripts/listProcesses.sh

-search Ciscodrf*

admin    28100 28095  0 14:37 pts/1    00:00:00 grep -i ciscodrf*
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "search"
Param 1	Mandatory
Param 2	Options

show process user

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

Syntax

show process user user-name [file file-name]

Required:

- user-name - name of the user

Optional:

- file - the file name for the output

- vm - virtual memory of the process

- detail - show process's page fault, virtual memory, start time, and so on

- cont - to repeat the command continuously

Example

```
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

...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "user"
Param 1	Mandatory
Param 2	Options

show process using-most cpu

This command displays a list of the most CPU intensive processes. The top five processes are displayed by default, but you can specify a different number to display.

Syntax

`show process using-most cpu [number]`

Optional:

- file - file name for the output

- number - the number of processes; default is 5

- cont - to repeat the command continuously

Example

```
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/i
386:/usr/local/thirdparty/java/j
2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/l
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "cpu"
Param 1	Options

show process using-most memory

This command displays a list of processes using the most memory. The top five processes are displayed by default, but you can specify a different number to display.

Syntax

show process using-most memory [number]

Optional:

- file - file name for the output

- number - the number of processes; default is 5

- cont - to repeat the command continuously

Example

```
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/i
386:/usr/local/thirdparty/java/j
2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/lib::/usr/loc
al/pl
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdShowProcess
Param 0	Fixed - "memory"
Param 1	Options

show rmon all

This will display all monitor configurations.

Syntax

```
show rmon all
```

There are no mandatory parameters.

Example

```
admin: show rmon all

Threshold for Cpu monitoring   :
    Rising        : 90%
    Rising interval : 120 seconds
    Falling       : 20%
    Falling interval: 60 seconds
Threshold for memory monitoring: 1641446 KB
Threshold for disk monitoring: 95 %
```

Developer Notes

Level Privilege	1
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh –show all "
Param 2	Options

show rmon cpu

This will display the CPU usage monitor configuration.

Syntax

show rmon cpu

There are no mandatory parameters.

Example

admin: show rmon cpu

Show rmon configuration for cpu usage
Threshold for cpu monitoring   :
    Rising   : 90%
    Rising interval : 120 seconds
    Falling   : 20%
    Falling interval: 60 seconds

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh –show cpu "
Param 2	Options

show rmon disk

This will display the disk monitor configuration.

Syntax

show rmon disk

There are no mandatory parameters.

Example

admin: show rmon disk

Show rmon configuratiOn for disk
Threshold for disk monitoring: 95 %

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh –show disk "
Param 2	Options

show rmon mem

This will display the memory monitor configuration.

Syntax

show rmon mem

There are no mandatory parameters.

Example

admin: show rmon mem

Show rmon configuratiOn for memoﾃy
Threshold for memory monitoring: 1641446 KB**

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh –show mem "
Param 2	Options

show smtp

This command shows the SMTP host used to send email.

Syntax

show smtp

(no parameters are required)

Example

admin:show smtp

SMTP hostname: smtpmail

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdSetSMTP
Param 0	Fixed - "show"
Param 1	Fixed - ""

show snmp config

This command will show the SNMP configuration of the node.

Syntax

show snmp config

There are no mandatory parameters.

Example

admin: show vcs database

trapsink localhost:162 public
dlmod syslog_mib /usr/lib/libciscosyslogmib.so
rocommunity hello

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/snmp_config.sh -showconfig "
Param 2	Options

show snmp status

This command will show the status of the SNMP agent of the node.

Syntax

show snmp status

There are no mandatory parameters.

Example

admin: show vcs status

snmpd is running with pid 22221

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/snmp_config.sh -status "
Param 2	Options

show stats io

This command shows the system input/output (I/O) statistics for the machine.

Syntax

```
show stats io [options]
```

(no parameters are required)

Optional:

- kilo - display statistics in kilobytes

- detail - display detailed statistics of every available device on the system

- page - pause output

- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt fname should not contain the "." character.

- The option detail will override option kilo.

Example

```
admin:show stats io kilo file statsiodump
 This file can be viewed using 'file list'
admin:file list activelog platform/cli/statsiodump*
 statsiodump.txt
dir count = 0, file count = 1
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/iostatOperation.sh -list"
Param 2	Options

show status

This command retrieves basic platform status parameters.

Syntax

show status

(no parameters are required)

Example

```
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%)
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformStatus

show syslog server

This command displays the syslog server IP configuration.

Syntax

show syslog server

(no mandatory parameters)

Example

admin: show syslog server

Configured syslog server is: 1.1.1.1

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/syslogipshow.sh"
Param 2	Options

show tech all

This command displays the output of all show tech commands at one time. Be forewarned that this may result in a large amount of output data.

Syntax

```
show tech all [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech all file techdump
This file can be viewed using 'file list'
admin:file list activelog platform/cli/techdump*
techdump.txt
dir count = 0, file count = 1
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechOperations.sh -all"
Param 2	Options

show tech network all

This command displays all of the network-related information of the node.

Syntax

show tech network all [options]

(no parameters are required)

Optional:

- page - pause output
- search txt - searches the output for txt (case insensitive search)
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech network all

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -network all"
Param 2	Options

show tech network hosts

This command displays the host-related aspects of the machine's network.

Syntax

show tech network hosts [options]

(no parameters are required)

Optional:

- page - pause output

- search txt - searches the output for txt (case insensitive search)

- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.

- The fname should not contain the "." character.

Example

admin:show tech network hosts

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -network hosts"
Param 2	Options

show tech network interfaces

This command displays the network interface-related aspects of the machine's network.

Syntax

```
show tech network interfaces [options]
```

(no parameters are required)

Optional:

- page - pause output
- search txt - searches the output for txt (case insensitive search)
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech network interfaces
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -network interfaces"
Param 2	Options

show tech network resolv

This command displays the resolv-related aspects of the machine's network

Syntax

show tech network resolv [options]

(no parameters are required)

Optional:

- page - pause output
- search txt - searches the output for txt (case insensitive search)
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech network resolv

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -network resolv"
Param 2	Options

show tech network routes

This command displays the route-related aspects of the machine's network.

Syntax

show tech network routes [options]

(no parameters are required)

Optional:

- page - pause output
- search txt - searches the output for txt (case insensitive search)
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech network routes

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -network routes"
Param 2	Options

show tech network sockets

This command displays a list of open sockets. You can use the numeric option to display the numerical addresses of the ports instead of determining symbolic hosts (similar to running netstat [-n] command).

Syntax

show tech network sockets [options]

(no parameters are required)

Optional:

- page - pause output
- search txt - searches the output for txt (case insensitive search)
- file fname - output the information to a file
- numeric - to display ports in numeric format

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech network sockets

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -network sockets"
Param 2	Options

show tech runtime all

This command displays all runtime usage at the time the command is executed.

Syntax

show tech runtime all [options]

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech runtime all

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -runtime all"
Param 2	Options

show tech runtime cpu

This command displays the CPU usage (top) at the time the command is executed.

Syntax

```
show tech runtime cpu [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech runtime cpu
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/showtechPlatform.sh -runtime cpu"
Param 2	Options

show tech runtime disk

This command displays the disk usage of the system.

Syntax

show tech runtime disk [options]

(no parameters are required)

Optional:

■ page - pause output

■ file fname - output the information to a file

Notes:

■ The file will be saved in platform/cli/fname.txt.

■ The fname should not contain the "." character.

Example

admin:show tech runtime disk

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -runtime disk"
Param 2	Options

show tech runtime env

This command displays the runtime environment (env) usage of the system.

Syntax

`show tech runtime env [options]`

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

`admin:show tech runtime env`

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -runtime env"
Param 2	Options

show tech runtime memory

This command displays the memory usage of the system.

Syntax

show tech runtime memory [options]

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech runtime memory

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -runtime memory"
Param 2	Options

show tech system all

This command displays all system-related aspects of the machine.

Syntax

```
show tech system all [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech system all
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system all"
Param 2	Options

show tech system bus

This command displays system bus-related aspects of the machine.

Syntax

```
show tech system bus [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech system bus
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system bus"
Param 2	Options

show tech system hardware

This command displays system hardware-related aspects of the machine.

Syntax

```
show tech system hardware [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech system hardware
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system hardware"
Param 2	Options

show tech system host

This command displays system host-related aspects of the machine.

Syntax

```
show tech system host [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech system host
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system host"
Param 2	Options

show tech system kernel modules

This command displays a list of the system kernel modules installed.

Syntax

```
show tech system kernel modules [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system modules"
Param 2	Options

show tech system software

This command displays a list of the system software installed.

Syntax

show tech system software [options]

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

admin:show tech system software

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system software"
Param 2	Options

show tech system tools

This command displays a list of the system tools installed.

Syntax

```
show tech system tools [options]
```

(no parameters are required)

Optional:

- page - pause output
- file fname - output the information to a file

Notes:

- The file will be saved in platform/cli/fname.txt.
- The fname should not contain the "." character.

Example

```
admin:show tech system tools
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	"/usr/local/platform/cli_scripts/showtechPlatform.sh -system tools"
Param 2	Options

show timezone config

This command displays the current timezone setting in long format.

Syntax

show timezone config

(no parameters are required)

Example

admin:show timezone config

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

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdTimeZone
Param 0	Fixed - "config"
Param 1	Fixed - ""
Param 2	Options

show timezone list

This command lists the available time zones in long format.

Note: The first value is the timezone index, which may be used to set a new timezone via the **set timezone** command. The timezone name may be used as well.

Syntax

```
show timezone list
```

(no parameters are required)

Example

```
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
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdTimeZone
Param 0	Fixed - "list"
Param 1	Fixed - ""
Param 2	Options

show vcs cluster

This command is used to show the VCS cluster information.

Syntax

show vcs cluster

There are no mandatory parameters.

Example

admin: show vcs cluster

vcs cluster id: clusterid
vcs cluster secret: clustersecret

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductordatabase.py show "
Param 2	Options

show vcs database

This command is used to show the VCS database information.

Syntax

show vcs database

There are no mandatory parameters.

Example

admin: show vcs database

Database:
Type = Postgres
ip = 90.0.0.4
port = 5432

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductordatabase.py show "
Param 2	Options

show vcs nodetype

This command is used to show the VCS node type.

Syntax

show vcs nodetype

There are no mandatory parameters.

Example

admin: show vcs database

Node Type: mgmt-primary

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductornodetype.py show "
Param 2	Options

show version active

This command retrieves the version number of the software on the active side.

Syntax

show version active

(no parameters are required)

Example

admin:show version active

Active Master Version: 5.0.2.0-5

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformVer
Param 0	Fixed - "active"
Param 1	Fixed - "master"
Param 2	Options

show version inactive

This command retrieves the version number of the software on the inactive side.

Syntax

show version inactive pkg

(no parameters are required)

Example

admin:show version inactive

Inactive Master Version: 5.0.1.0-3

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPlatformVer
Param 0	Fixed - "inactive"
Param 1	Fixed - "master"
Param 2	Options

8

unset Commands

Introduction

This chapter lists and describes the CLI unset commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

unset network dns options

This command unsets the DNS options.

Note: Use of this command causes a temporary loss of network connectivity.

Syntax

unset network dns options

(no parameters are required)

Optional:

- timeout - defaults the wait time before considering a DNS query to have failed
- attempts - defaults the number of attempts to make before failing
- rotate - defaults the method for selecting a name server; affects how loads are distributed across names servers

Example

```
admin:unset network dns options timeout

        ***   W A R N I N G   ***
This will cause the system to temporarily lose network connectivity

        Do you want to continue ?
Enter "yes" to continue or any other key to abort

yes
executing...
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSetIp
Param 0	Fixed - "unser_dns_options"
Param 1	Options

unset network domain

This command unsets the domain name and restarts the server.

Syntax

unset network domain

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdDomain

unset network ipv6 gateway

This command unsets the IPv6 gateway on the server.

Syntax

unset network ipv6 gateway

(no parameters are required)

Optional:

■ reboot - reboots after applying the changes (does not reboot by default)

Example

admin:unset network ipv6 gateway

***   W A R N I N G   ***

The Server must be rebooted for these changes to take effect.

Please make sure that you reboot this server.

IPv6 gateway is removed

admin:

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6SetGateway
Param 0	Optional

unset network ipv6 static_address

This command unsets the IPv6 static address.

Syntax

unset network ipv6 static_address [reboot]

(no parameters are required)

Optional:

- reboot - reboot the server after applying the change

Example

admin:unset network ipv6 static_address

***   W A R N I N G   ***

The Server must be rebooted for these changes to take effect.

Please make sure that you reboot this server.

IPv6 static address was removed.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIpv6SetIPaddress
Param 0	Optional

unset network ipv6 eth1 auto

This command will disable the IPv6 autoconfig feature for Ethernet interface eth1.

Syntax

unset network ipv6 eth1 auto

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth1 auto disable"
Param 2	Options

unset network ipv6 eth1 static_address

This command will delete the IPv6 static address of the Ethernet interface eth1.

Syntax

unset network ipv6 eth1 static_address all

unset network ipv6 eth1 static_address ipv6_addr prefix_len

Required:

- all — all static IPv6 addresses of this interface
- ipv6_addr — IPv6 address
- prefix_len — prefix length (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_delete_ipv6 eth1 "
Param 2	Options

unset network ipv6 eth2 auto

This command will disable the IPv6 autoconfig feature for Ethernet interface eth2.

Syntax

unset network ipv6 eth2 auto

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth2 auto disable"
Param 2	Options

unset network ipv6 eth2 static_address

This command will delete the IPv6 static address of the Ethernet interface eth2.

Syntax

```
unset network ipv6 eth2 static_address all
unset network ipv6 eth2 static_address ipv6_addr prefix_len
```

Required:

- all — all static IPv6 addresses of this interface
- ipv6_addr — IPv6 address
- prefix_len — prefix length (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_delete_ipv6 eth2 "
Param 2	Options

unset network ipv6 eth4 auto

This command will disable the IPv6 autoconfig feature for Ethernet interface eth4.

Syntax

unset network ipv6 eth4 auto

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth4 auto disable"
Param 2	Options

unset network ipv6 eth4 static_address

This command will delete the IPv6 static address of the Ethernet interface eth4.

Syntax

unset network ipv6 eth4 static_address all

unset network ipv6 eth4 static_address ipv6_addr prefix_len

Required:

- all — all static ipv6 addresses of this interface
- ipv6_addr — ipv6 address
- prefix_len — prefix length (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_delete_ipv6 eth4 "
Param 2	Options

unset network ipv6 eth5 auto

This command will disable the IPv6 autoconfig feature for Ethernet interface eth5.

Syntax

unset network ipv6 eth5 auto

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_config_ipv6 eth5 auto disable"
Param 2	Options

unset network ipv6 eth5 static_address

This command will delete the IPv6 static address of the Ethernet interface eth5.

Syntax

unset network ipv6 eth5 static_address all

unset network ipv6 eth5 static_address ipv6_addr prefix_len

Required:

- all — all static IPv6 addresses of this interface
- ipv6_addr — IPv6 address
- prefix_len — prefix length (0-128)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed – "OP_NO_ECHO"
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_delete_ipv6 eth5 "
Param 2	Options

unset network route

This will remove the specified IPv4 route from the routing table.

Syntax

unset network route network/mask gateway device

Required:

- network — IPv4 destination network for which the route will be removed
- mask — IPv4 netmask length for the destination network
- gateway — gateway for the route

Optional:

- device — device for the route

Example

unset network route 10.10.10.0/24 20.1.1.1

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route_del"
Param 2	Options

unset network route6

This will remove the specified IPv6 route from the routing table.

Syntax

```
unset network route6 network/mask gateway device
```

Required:

- network — IPv6 destination network for which the route will be removed

- mask — IPv6 netmask length for the destination network

- gateway — gateway for the route

Optional:

- device — device for the route (mandatory when using local link gateways)

Example

```
unset network route6 2000::/3 2001:0db8:0:f101::1
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/conductor_route6_del"
Param 2	Options

unset rmon cpu

This will remove the CPU monitor configuration.

Syntax

unset rmon cpu

No parameters required.

Example

admin: unset rmon cpu

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -nocpu"
Param 2	Options

unset rmon disk

This will remove the disk monitor configuration.

Syntax

unset rmon disk

No parameters required.

Example

admin: unset rmon disk

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -nodisk"
Param 2	Options

unset rmon mem

This will remove the memory monitor configuration.

Syntax

unset rmon mem

No parameters required.

Example

admin: unset rmon mem

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/rmon_cli.sh -nomem"
Param 2	Options

unset syslog server

This command removes the remote syslog server configuration.

Syntax

unset syslog server

(no parameters are required)

Example

admin: unset syslog server

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/bin/sudo /usr/local/platform/cli_scripts/syslogipunset.sh"
Param 2	Options

9

utils Commands

Introduction

This chapter lists and describes the CLI utils commands for Cisco Videoscape Control Suite Release 3.0. Except where noted, these commands are also supported in earlier Videoscape Control Suite releases. Commands that are no longer supported in Videoscape Control Suite 3.0 are identified as such.

utils core active list

This command lists existing core files.

Syntax

utils core active list

(no parameters are required)

Example

admin: utils core active list

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsCore
Param 0	Fixed - "active"

utils core active analyze

This command displays a backtrace for the specified core file. To obtain a list of core files, use the **utils core active list** command.

Syntax

```
utils core active analyze core_file_name
```

Required:

- core_file_name - name of core file to get stack trace from

Example

```
admin: utils core active analyze core.3504.11.servM.1160066458
```

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsCore
Param 0	Fixed - "active"
Param 1	Mandatory

utils core inactive list

This command lists existing core files.

Syntax

utils core inactive list

(no parameters are required)

Example

admin: utils core inactive list

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsCore
Param 0	Fixed - "inactive"

utils core inactive analyze

This command displays a back trace for the specified core file. To obtain a list of core files, use the **utils core inactive list** command.

Syntax

`utils core inactive analyze core_file_name`

Required:

- core_file_name - name of core file to get back trace from

Example

`admin: utils core inactive analyze core.3504.11.servM.1160066458`

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsCore
Param 0	Fixed - "inactive"
Param 1	Mandatory

utils nosqlcb list_bucket

This command lists all existing buckets in the designated NoSql Couchbase server.

Note:

- This command is removed after the NoSql Couchbase Cisco Options Package (COP) is installed.

- In Videoscape Control Suite Release 2.0, you can input the optional IP address of the NoSql Couchbase DP4 node to list the buckets in the NoSql Couchbase DP4 server running on a different node. This capability is neither required nor supported in Release 2.1 onward.

Syntax

```
utils nosqlcb list_bucket ip_address
```

Required:

- ip_address - IP address of the designated NoSql Couchbase server

Example

```
admin: utils nosqlcb list_bucket 172.29.99.248
List bucket in Couchbase server...
cdvr
oms
```

Developer Notes

Level Privilege	???
Command Privilege	???
Allowed During Upgrade	???
Java Class	???
Param 0	???
Param 1	???

utils couchbase backup

This command backs up the designated bucket on the designated NoSql Couchbase server to a .cbd file. After the backup completes successfully, the backup file is compressed and saved in the FTPDIR directory as a .tar file.

Note:

- This command is removed after the NoSql Couchbase Cisco Options Package (COP) is installed.

- The .cbd file is kept in the FTPDIR directory for 7 days, after which the file is cleaned up (deleted).

- The .tar file can be transferred to a different directory at a later time. Because disk space is limited, you should move the file out of the node as soon as possible.

- In Videoscape Control Suite Release 2.0, you can input the optional IP address of the NoSql Couchbase DP4 node to list the buckets in the NoSql Couchbase DP4 server running on a different node. This capability is neither required nor supported in Release 2.1 onward.

Syntax

utils nosqlcb backup bucketname ip_address

Required:

- bucknetname - name of the bucket to be backed up

- ip_address - IP address of the designated NoSql Couchbase server

Example

```
admin: utils nosqlcb backup cdvr 172.29.99.248
Before backing up, check existing bucket in Couchbase server...
Found bucket name: cdvr in Couchbase server
Bucket: cdvr was backed up to file: cdvr-10_05_2012-11_08_33.cbd and placed
in ftpdir directory
BACKUP Couchbase data bucket successfully.
```

Developer Notes

Level Privilege	???
Command Privilege	???
Allowed During Upgrade	???
Java Class	???
Param 0	???
Param 1	???

utils couchbase restore

This command restores the designated backed up bucket .cdb file from the .tar file in the FTPDIR directory to the designated NoSql Couchbase server.

Note:

- This command is removed after the NoSql Couchbase Cisco Options Package (COP) is installed.

- The .cbd file is kept in the FTPDIR directory for 7 days, after which the file is cleaned up (deleted).

- In Videoscape Control Suite Release 2.0, you can input the optional IP address of the NoSql Couchbase DP4 node to list the buckets in the NoSql Couchbase DP4 server running on a different node. This capability is neither required nor supported in Release 2.1 onward.

Syntax

```
utils nosqlcb restore file_name ip_address
```

Required:

- file_name - name of the bucket .cdb file to be restored
- ip_address - IP address of the designated NoSql Couchbase server

Example

```
admin: utils nosqlcb restore cdvr-10_05_2012-10_53_34.cbd
172.29.99.248
Before restoring, check file cdvr-10_05_2012-10_53_34.cdb exists...
RESTORE Couchbase data bucket successfully.
```

Developer Notes

Level Privilege	???
Command Privilege	???
Allowed During Upgrade	???
Java Class	???
Param 0	???
Param 1	???

utils create report hardware

This command creates a system report containing disk array, remote console, diagnostic, and environmental data.

Syntax

utils create report hardware

(no parameters are required)

Example

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdUtilsCreateSysreport

utils create report platform

This command collects the platform configuration files and copies them to a common log location.

Syntax

utils create report platform

(no parameters are required)

Example

admin:utils create report platform

Platform configuration files have been collected: platformConfig-20070829030854.tar
To retrieve the configuration files use CLI command: file get activelog platform/log/platformConfig-20070829030854.tar

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGetConfigFiles

utils create report csa

Note: This command is no longer supported. Instead, use the utils create report security command.

Syntax

`utils create report csa`

(no parameters are required)

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/bin/base_scripts/csa.sh report"
Param 2	Options

utils create report security

This command collects all files for security diagnostics.

Syntax

utils create report security

(no parameters are required)

Example

admin:utils create report security

Security diagnostics files have been collected: security-diagnostics.tar.gz

To retrieve the security-diagnostics file, use CLI command: file get activelog syslog/security-diagnostics.tar.gz

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdSELinux
Param 0	Fixed - "diag"

utils iostat

This command provides the iostat output for the specified number of iterations and interval.

Syntax

```
utils iostat
```

Conditionally required:

■ interval - interval between two iostat readings in seconds

■ iterations - number of iostsat iterations to be performed

Note: These parameters must be used together or not at all.

Optional:

■ filename - redirect the output to a file

Example

```
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
```

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdIOStat
Param 0	Fixed - "/var/log/active/platform/log/"
Param 1	Options

utils network ping

This command sends one or more ping packets to a remote destination.

Syntax

ping dest [count VALUE] [size VALUE]

Required:

- dest - dotted IP or host name

Optional:

- count - count value; default is 4
- size - size of ping packet in bytes; default is 56

Example

```
admin:utils network ping bldr-ccm57 count 5 size 1500

PING bldr-ccm57.cisco.com (10.94.150.57) 1500(1528) bytes of data.

1508 bytes from bldr-ccm57.cisco.com (10.94.150.57): icmp_seq=0 ttl=64
time=1.89 ms
1508 bytes from bldr-ccm57.cisco.com (10.94.150.57): icmp_seq=1 ttl=64
time=0.520 ms
1508 bytes from bldr-ccm57.cisco.com (10.94.150.57): icmp_seq=2 ttl=64
time=0.491 ms
1508 bytes from bldr-ccm57.cisco.com (10.94.150.57): icmp_seq=3 ttl=64
time=0.488 ms
1508 bytes from bldr-ccm57.cisco.com (10.94.150.57): icmp_seq=4 ttl=64
time=0.516 ms

--- bldr-ccm57.cisco.com ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4006ms

rtt min/avg/max/mdev = 0.488/0.781/1.892/0.556 ms, pipe 2
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdPing
Param 0	Mandatory
Param 1	Options

utils network traceroute

This command traces the route of IP packets to a remote destination.

Syntax

utils network traceroute dest

Required:

■ dest - dotted IP or host name

Example

admin:utils network traceroute 172.24.115.101

traceroute to 172.24.115.101 (172.24.115.101), 30 hops max, 38 byte packets

1 vns-gateway1-119 (172.22.119.1)   0.599 ms   0.439 ms   0.381 ms
2 172.24.115.189 (172.24.115.189)   0.358 ms   0.242 ms   0.231 ms
3 sjc20-lab-gw2 (172.24.115.101)   0.347 ms * 0.514 ms

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdTraceRoute
Param 0	Mandatory

utils network host

This command resolves a hostname to an address, or an address to a hostname. This command first looks for the host locally. If it cannot resolve it locally and DNS is configured, it does a DNS lookup.

Syntax

utils network host name [server serv][options][srv]

Required:

- name - name of the host or address to resolve

Optional:

- server - name of an alternate name server to use
- page - pauses output
- detail -
- srv - use keyword srv to get DNS SRV records

Examples

```
admin: utils network host test1.com
Hostname test1.com resolves to 10.94.150.62

admin: utils network host 10.94.150.62
Ip address 10.94.150.62 resolves to test1.com
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/lookupOperations.sh -lookup"
Param 2	Options

utils network arp list

This command lists the contents of the Address Resolution Protocol table.

Note: For the Flags column, C=cached, M=permanent, P=published.

Syntax

utils network arp list [host hostname][options]

Optional:

- page - pauses output
- numeric - shows hosts as dotted IP addresses
- host - specifies that you want to list a specific host
- hostname - hostname of the specific host

Example

```
admin: utils network arp list

Address                  HWtype   HWaddress            Flags Mask   Iface
sjc21-3f-hsrp.cisco.com  ether    00:00:0C:07:AC:71    C            eth0
philly.cisco.com         ether    00:D0:B7:85:98:8E    C            eth0
Entries: 2       Skipped: 0       Found: 2
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/arpOperations.sh -list"
Param 2	Options

utils network ipv6 ping

Use this command to ping an IPv6 address or hostname.

Syntax

utils network ipv6 ping IPv6-address [count]

Required:

■ dest - IPv6 address or hostname

Note: The hostname must resolve to a valid IPv6 address.

Optional:

■ count - number of ICMPv6 messages that will be exchanged; default is 4

Example

```
admin:utils network ipv6 ping  fd00:5::21b:78ff:fed1:7da6

PING fd00:5::21b:78ff:fed1:7da6(fd00:5::21b:78ff:fed1:7da6) 56 data bytes

64 bytes from fd00:5::21b:78ff:fed1:7da6: icmp_seq=0 ttl=63 time=0.392 ms
64 bytes from fd00:5::21b:78ff:fed1:7da6: icmp_seq=1 ttl=63 time=0.376 ms
64 bytes from fd00:5::21b:78ff:fed1:7da6: icmp_seq=2 ttl=63 time=0.380 ms
64 bytes from fd00:5::21b:78ff:fed1:7da6: icmp_seq=3 ttl=63 time=0.408 ms

--- fd00:5::21b:78ff:fed1:7da6 ping statistics ---

4 packets transmitted, 4 received, 0% packet loss, time 3071ms

rtt min/avg/max/mdev = 0.376/0.389/0.408/0.012 ms, pipe 2

admin:
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdIpv6Ping
Param 0	Mandatory
Param 1	Optional

utils network ipv6 traceroute

Use this command to traceroute an IPv6 address or hostname.

Syntax

utils network ipv6 traceroute IPv6-address or hostname

Required:

- dest - IPv6 address or hostname

Note: The hostname must resolve to a valid IPv6 address.

Example

admin:utils network ipv6 traceroute fd00:5::21b:78ff:fed1:7da6

admin:

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdIpv6TraceRoute
Param 0	Mandatory

utils network ipv6 host

Use this command to look up an IPv6 address or hostname.

Syntax

utils network ipv6 host IPv6-address or hostname

Required:

- dest - IPv6 address or hostname

Example

admin:utils network ipv6 host fd00:5::21b:78ff:fed1:7da6

IPv6 address fd00:12::250:56ff:feba:532f resolves to bldr-vcm6.cisco.com

admin:

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdIpv6Lookup
Param 0	Mandatory

utils ntp status

This command shows the current status of NTP client in the Appliance.

Syntax

```
utils ntp status
```

(no parameters required)

Example 1: Out of Sync

```
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

unsynchronised
  time server re-starting
   polling server every 16 s
current time is : Mon Jan 31 12:01:38 PST 2005
```

Example 2: In Sync

```
ntpd (pid 10561) is running...

remote           refid      st t when poll reach   delay   offset  jitter
==============================================================================
*ntp-sj1.cisco.c .GPS.        1 u    2   64   77    5.865    0.554   0.057

synchronised to NTP server (171.68.10.150) at stratum 2
   time correct to within 188 ms
   polling server every 64 s
current time is : Mon Jan 31 12:14:35 PST 2005
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/local/platform/cli_scripts/ntpCommands.sh -status"
Param 2	Options

utils ntp config

This command shows the current configuration of the NTP client and server on this machine.

Syntax

utils ntp config

(no parameters required)

Example

admin:utils ntp config

servers (this machine is a NTP client):

  171.68.10.150   ntp-sj1.cisco.com

clients (this machine is a NTP server):

  client 192.107.140.50   ntp-test.cisco.com

  range 192.107.141.0   255.255.255.0

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/local/platform/cli_scripts/ntpCommands.sh -conf"
Param 2	Options

utils ntp start

This command starts the NTP service if it is not already running. If the NTP service is already running, this command has no effect.

Syntax

utils ntp start

(no parameters required)

Note: There is no CLI command to stop the NTP service. Use this command when, for whatever reason, **utils ntp status** shows that the NTP is stopped.

Example 1: NTP is Already Running

admin: utils ntp start

NTP is running

admin:

Example 2: NTP is Not Running

admin: utils ntp start

The NTP is starting

admin:

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/local/platform/cli_scripts/ntpd_start.sh"
Param 2	Options

utils ntp restart

This command restarts the NTP service.

Syntax

utils ntp restart

(no parameters required)

Example

admin: utils ntp restart

Restarting the NTP

admin:

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralExec
Param 0	Fixed - ""
Param 1	Fixed - "/usr/local/platform/cli_scripts/ntpd_restart.sh"
Param 2	Options

utils ntp server add

Use this command to add up to five specified NTP servers. Using the **norestart** option results in the NTP service not being restarted after adding the server or servers.

Note: If the norestart option is used, an explicit restart of the NTP service is required for the changes to take effect.

Syntax

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

Required:

- s1 - at least one NTP server to add; others (s2, s3, s4, etc.) are optional

Optional:

- norestart - delay restarting NTP service until after server(s) are added

Example 1: Adding Servers with Incorrect Command Line Parameters

```
admin:utils ntp server add s1 s2 s3 s4 s5 s6 s7 s8
Incorrect number of parameters entered for add
usage: utils ntp server add s1 [s2 s3 s4 s5] [norestart]
admin:
```

Example 2: Adding Using norestart without Specifying a Server

```
admin:utils ntp server add norestart
At least one NTP server must be specified for add operation.
usage: utils ntp server add s1 [s2 s3 s4 s5] [norestart]
```

Example 3: Adding Servers without norestart

```
admin:utils ntp server add clock1.cisco.com clock2.cisco.com
clock1.cisco.com :  added successfully.
clock2.cisco.com :  added successfully.
Restarting NTP on the server.
```

Example 4: Adding Servers That Are Already Added without norestart

```
admin:utils ntp server add clock1.cisco.com clock2.cisco.com
clock1.cisco.com : [The host has already been added as an NTP server.]
clock2.cisco.com : [The host has already been added as an NTP server.]
admin:
```

Example 5: Adding Server to Self without norestart

```
admin:utils ntp server add bglr-ccm26
bglr-ccm26 : [This server cannot be added as an NTP server.]
admin:
```

Example 6: Adding Inaccessible Server without norestart

```
admin:utils ntp server add clock3.cisco.com
clock3.cisco.com : [ Inaccessible NTP server. Not added. ]
admin:
```

Example 7: Adding Servers with norestart

```
admin:utils ntp server add ntp01-syd.cisco.com ntp02-
syd.cisco.com clock.cisco.com norestart
ntp01-syd.cisco.com :  added successfully.
ntp02-syd.cisco.com :  added successfully.
clock.cisco.com :  added successfully.
The NTP service will need to be restarted for the changes to take effect.
```

Example 8: Adding Servers when 5 are Already Configured

```
admin:utils ntp server add clock3.cisco.com
The maximum permissible limit of 5 NTP servers is already configured.
admin:
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdNtpAddServer
Param 0	Mandatory
Param 1	Options

utils ntp server delete

The command presents the option to delete any or all configured NTP servers. After entering your choice, you are given the option to restart the NTP service. Answering **No** results in the NTP service not being restarted after deleting the server or servers.

Note: If you choose not to restart the NTP service, an explicit restart of the NTP service is required for the changes to take effect.

Syntax

```
utils ntp server delete
```

(no parameters are required)

Example 1: Deleting Servers with Incorrect Command Line Parameters

```
admin:utils ntp server delete clock1.cisco.com clock2.cisco.com
Incorrect number of optional parameters entered for delete
usage: utils ntp server delete
admin:
```

Example 2: Deleting Single Server with NTP Restart

```
admin:utils ntp server delete

1: clock1.cisco.com
2: clock2.cisco.com
3: ntp01-syd.cisco.com
4: ntp02-syd.cisco.com
5: clock.cisco.com
a: all
q: quit

Choice: 1

Restart NTP (y/n): y

clock1.cisco.com will be deleted from the list of configured NTP servers.

Continue (y/n)?y

clock1.cisco.com :  deleted successfully.

Restarting NTP on the server.

admin:
```

Example 3: Deleting All Servers without NTP Restart

```
admin:utils ntp server delete

1: clock1.cisco.com
2: clock2.cisco.com
3: ntp01-syd.cisco.com
4: ntp02-syd.cisco.com
5: clock.cisco.com
a: all
q: quit

Choice: a

Restart NTP (y/n): n

This will result in all the configured NTP servers being deleted.

Continue (y/n)?y

clock1.cisco.com :  deleted successfully.
clock2.cisco.com :  deleted successfully.
ntp01-syd.cisco.com :  deleted successfully.
ntp02-syd.cisco.com :  deleted successfully.
clock.cisco.com :  deleted successfully.
The NTP service will need to be restarted for the changes to take effect.

admin:
```

Example 4: Deleting All Servers When No Servers are Configured

```
admin:utils ntp server delete

There are no NTP servers configured to delete.

admin:
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdNtpDeleteServer
Param 0	Options

utils ntp server list

The command lists the configured NTP server or servers.

Syntax

utils ntp server list

(no parameters are required)

Example 1: Listing Servers with Incorrect Command Line Parameters

admin:utils ntp server list all

Incorrect optional parameter entered for list

usage: utils ntp server list

admin:

Example 2: Listing Servers

admin:utils ntp server list

clock1.cisco.com

clock2.cisco.com

ntp01-syd.cisco.com

ntp02-syd.cisco.com

clock.cisco.com

admin:

Example 3: Listing Servers When No Servers are Configured

admin:utils ntp server list

There are no NTP servers configured.

admin:

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdNtpListServers
Param 0	Options

utils remote_account create

The remote account allows Cisco support access to the system.

Syntax

`utils remote_account create account life`

Required:

- account — name of the remote account
- life — the life of the account in days

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdRemoteAccount
Param 0	Fixed - "cr"
Param 1	Mandatory
Param 2	Mandatory

utils remote_account disable

The remote account allows Cisco support access to the system.

Syntax

`utils remote_account disable`

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdRemoteAccount
Param 0	Fixed - "di"
Param 1	Fixed - ""
Param 2	Fixed - ""

utils remote_account enable

The remote account allows Cisco support access to the system.

Syntax

`utils remote_account enable`

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdRemoteAccount
Param 0	Fixed - "en"
Param 1	Fixed - ""
Param 2	Fixed - ""

utils remote_account status

The remote account allows Cisco support access to the system.

Syntax

utils remote_account status

No parameters are required.

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdRemoteAccount
Param 0	Fixed - "getstatus"
Param 1	Fixed - ""
Param 2	Fixed - ""

utils service list

This command retrieves all services status. Adding the **page** option pauses output.

Syntax

```
utils service list [options]
```

Optional:

- page - pauses output

Example

```
admin:utils service list
System SSH [STARTED]
  :
  :
Cisco Tftp[STOPPED]   Service Not Activated
Cisco WebDialer Web Service[STOPPED]   Service Not Activated
```

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	Yes
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/serviceOperations.sh list"
Param 2	Options

utils service start

Use this command to start a service.

Note: The service name may consist of multiple words.

Syntax

utils service start serv

Required:

■ serv - name of the service to be started

Example

admin:utils service start Cisco CallManager Serviceability

Cisco CallManager Serviceability[STARTED]

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/serviceOperations.sh start"
Param 2	Options

utils service stop

Use this command to stop a service.

Note: The service name may consist of multiple words.

Syntax

utils service stop serv

Required:

- serv - name of the service to be stopped

Example

admin:utils service stop Cisco CallManager Serviceability

Cisco CallManager Serviceability[STOPPING]

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/serviceOperations.sh stop"
Param 2	Options

utils service restart

Use this command to restart a service.

Note: The service name may consist of multiple words.

Syntax

utils service restart serv

Required:

- serv - name of the service to be restarted

Example

admin:utils service restart Cisco CallManager Serviceability

Cisco CallManager Serviceability[STOPPING]

Cisco CallManager Serviceability[STARTED]

Developer Notes

Level Privilege	0
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdGeneralIOExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/serviceOperations.sh restart"
Param 2	Options

utils service snmpd_single_mode showconfig

Use this command to show the configuration of SNMP in this managed node.

Syntax

utils service snmpd_single_mode showconfig

No parameters are required.

Example

utils service snmpd_single_mode showconfig

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh showconf"
Param 2	Options

utils service snmpd_single_mode start

Use this command to start the snmpd agent in this managed node.

Syntax

utils service snmpd_single_mode start

No parameters are required.

Example

utils service snmpd_single_mode start

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh start"
Param 2	Options

utils service snmpd_single_mode status

Use this command to show if the snmpd agent in this managed node is running.

Syntax

utils service snmpd_single_mode status

No parameters are required.

Example

utils service snmpd_single_mode status

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh status"
Param 2	Options

utils service snmpd_single_mode stop

Use this command to stop the snmpd agent in this managed node.

Syntax

utils service snmpd_single_mode stop

No parameters are required.

Example

utils service snmpd_single_mode stop

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh stop"
Param 2	Options

utils service snmpd_single_mode trap_receiver add

This will configure a trap receiver with the provided version, IP address, and community string.

Syntax

```
utils service snmpd_single_mode trap_receiver add version ip-addr
com-string
```

Required:

- version — trap version (1 | 2)
- ip-addr — IP address of the receiver, with format ip:port; the default port is 162
- com-string — community string of the trap receiver

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh trap_add"
Param 2	Options

utils service snmpd_single_mode trap_receiver delete

This will delete a trap receiver with the matching IP address.

Syntax

utils service snmpd_single_mode trap_receiver delete ip-addr

Required:

- ip-addr — IP address of the receiver, with format ip:port; the default port is 162

Developer Notes

Level Privilege	0
Command Privilege	0
Allowed During Upgrade	No
Java Class	cmdGeneralExec
Param 0	Fixed - "OPT_NO_ECHO"
Param 1	Fixed - "/usr/local/platform/cli_scripts/snmpd_single_mode.sh trap_del"
Param 2	Options

utils system restart

This command reboots the appliance.

Syntax

utils system restart

(no parameters are required)

Example

admin:utils system restart

Do you really want to restart ?

Enter "yes" to restart or any other key to abort

continue: yes

Appliance is being Restarted ...

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

The system is going down for restart NOW!

admin:

Note: If any other key is pressed the restart procedure will be aborted with a message:

```
Restarting Aborted !
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdRestartHost
Param 0	Fixed - "RESTART"
Param 1	Optional

utils system shutdown

This command shuts down the appliance.

Syntax

`utils system shutdown`

(no parameters are required)

Example

`admin:utils system shutdown`

`Do you really want to shutdown ?`

`Enter "yes" to shutdown or any other key to abort`

`continue: yes`

`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!`

`admin:`

Note: If any other key is pressed the appliance shutdown procedure will be aborted with a message:

`Shutdown Aborted !`

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdRestartHost
Param 0	Fixed - "POWEROFF"
Param 1	Optional

utils system switch-version

This command switches to the other system version installed on the appliance.

Syntax

```
utils system switch-version
```

(no parameters are required)

Example

```
admin:utils system switch-version
```

```
Do you really want to switch versions?
Enter "yes" to switch-version or any other key to abort
continue: yes
```

```
Switching Version and Restarting the Appliance ...
```

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

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

```
admin:
```

Note: If any other key is pressed, the appliance switch-version procedure will abort and display the following message:

```
Switch Version Aborted !
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	No
Java Class	cmdRestartHost
Param 0	Fixed - "SWITCH-VER"
Param 1	Optional

utils system upgrade cancel

This command cancels a system upgrade in progress.

Syntax

utils system upgrade cancel

(no parameters are required)

Example

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

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsSystemUpgrade
Param 0	Fixed - "cancel"

utils system upgrade initiate

This command starts a new system upgrade wizard, or assumes 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.

Note: This option is only available when upgrading from Videoscape Control Suite Release 1.5 or higher. Upgrade from Videoscape Control Suite 1.0 is not supported.

The upgrade process has the following rules and limitations:

■ Only SFTP transport is supported for .iso image download.

■ In VSOS platform, upgrade is only supported for changing from a lower to a higher (newer) version.

■ There is no upgrade versioning chain or path restriction unless otherwise specified in the applicable release note.

Syntax

```
utils system upgrade initiate
```

(no parameters are required)

Example

```
admin:utils system upgrade initiate
```

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsSystemUpgrade
Param 0	Fixed - "initiate"

utils system upgrade status

This command displays the status of a system upgrade in progress.

Syntax

utils system upgrade status

(no parameters are required)

Example

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

Developer Notes

Level Privilege	1
Command Privilege	1
Allowed During Upgrade	Yes
Java Class	cmdUtilsSystemUpgrade
Param 0	Fixed - "status"

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Customer Information

If You Have Questions

If you have technical questions, contact Cisco Services for assistance. Follow the menu options to speak with a service engineer.

Access your company's extranet site to view or order additional technical publications. For accessing instructions, contact the representative who handles your account. Check your extranet site often as the information is updated frequently.