Command Line Interface Guide for Cisco Unified Communications Solutions, Release 10.0(1)

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Preface

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Purpose

The *Command Line Interface Reference Guide for Cisco Unified Communications Solutions* provides information about all the commands supported on the IM and Presence service, Cisco Unified Communications, and Cisco Unity Connection. Every command includes an "Applies to" section identifying applicable products.

Audience

The *Command Line Interface Reference Guide for Cisco Unified Communications Solutions* provides information to execute specific commands for network administrators responsible for managing and supporting IM and Presence, Cisco Unified Communications Manager, and Cisco Unity Connection.

Organization

The following table shows the organization for this guide:

Table 1: Organization of Command Line Interface Reference Guide for Cisco Unified Communications Solutions

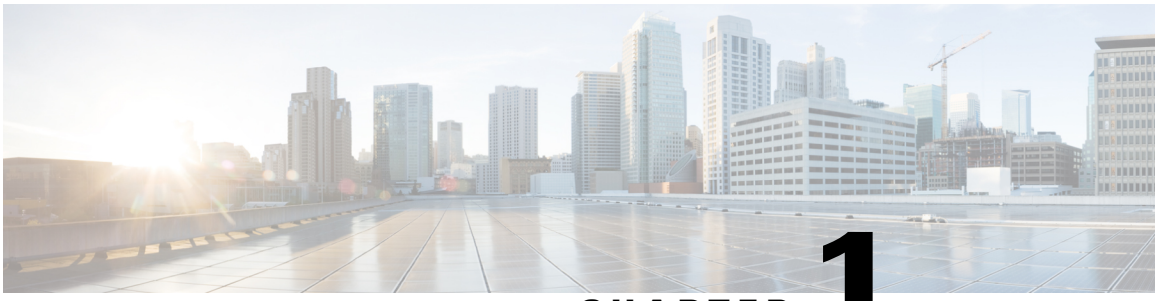
Chapter	Description
About CLI	Provides information about the CLI and tips to help make the management of the products easier to navigate.

Delete commands	Lists all commands relating to the removal of specific information.
File commands	Lists all commands relating to the management of files and logs.
License commands	Lists all commands relating to licensing.
Run commands	Lists all commands relating to the execution of sql queries, various tests, and tasks.
Set commands	Lists all commands relating to the tasks such as enabling, disabling, importing, and exporting.
Show commands	Lists all commands relating to the display of specified information.
Unset commands	Lists all commands relating to the disabling of specified network and ipsec options.
Utils commands	Lists all commands relating to utilities.

Related Documents

See the *Cisco Unified Communications Manager Documentation Guide* to learn about the documentation for Cisco Unified Communications Manager and IM and Presence Service.

For the latest IM and Presence Service and Cisco Unified Communications Manager requirements, see the *Release Notes for Cisco Unified Communications Manager*.



CHAPTER 1

About CLI

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- Tab completes command, page 2
- Command help, page 2
- Ctrl-C exits command, page 4
- Quit CLI session, page 4

Start CLI session

Note This procedure applies to both Cisco Unified Communications Manager and the IM and Presence Service. The Operating System for Cisco Unified Communications Manager is called the Cisco Unified Operating System. The Operating System for the IM and Presence Service is called the Cisco Unified IM and Presence Operating System. To start a CLI session for the IM and Presence Service, you must use the Cisco Unified IM and Presence Operating System.

You can access the Cisco Unified Operating System (or, for the IM and Presence Service, the Cisco Unified IM and Presence Operating System) remotely or locally:

- From a web client workstation, such as the workstation that you use for Cisco Unified Operating System Administration, you can use SSH to connect securely to the Cisco Unified Operating System.
- You can access the Cisco Unified Operating System CLI directly by using the monitor and keyboard that you used during installation or by using a terminal server that is connected to the serial port. Use this method if a problem exists with the IP address.

Before You Begin

Ensure you have the following information that is defined during installation:

- A primary IP address and hostname
- An administrator ID
- A password

You will need this information to log in to the Cisco Unified Operating System.

Procedure

Step 1 Perform one of the following actions depending on your method of access:

a) From a remote system, use SSH to connect securely to the Cisco Unified Operating System. In your SSH client, enter
ssh *adminname@hostname*

where *adminname* specifies the Administrator ID and *hostname* specifies the hostname that was defined during installation.

For example, ssh admin@ipt-1.

b) From a direct connection, you receive this prompt automatically:

```
ipt-1 login:
```

where *ipt-1* represents the host name of the system.

Enter the administrator ID that was defined during installation.

Step 2 Enter the password that was defined at installation.
The CLI prompt displays. The prompt represents the Administrator ID; for example:

```
admin:
```

You can now use any CLI command.

Tab completes command

To complete commands, use Tab:

- Enter the start of a command and press **Tab** to complete the command. For example, if you enter se and press **Tab**, set is completed.
- Enter a full command name and press **Tab** to display all the commands or subcommands that are available. For example, if you enter set and press **Tab**, you see all the set subcommands. An * identifies the commands that have subcommands.
- If you reach a command, keep pressing **Tab**, and the current command line repeats; this indicates that no additional expansion is available.

Command help

You can get two kinds of help about any command:

- Detailed help that includes a definition of the command and an example of its use
- Short query help that includes only command syntax

If you want to:	At the CLI prompt:
Get detailed help	Enter **help** *command* Where *command* specifies the command name or the command and parameter. See “Detailed Help Example.”
Query only command syntax	Enter *command*? Where *command* represents the command name or the command and parameter. See “Query Example.”

Troubleshooting Tips

If you enter a **?** after a menu command, such as set, it acts like the **Tab** key and lists the commands that are available.

Detailed Help Example:

```
admin:help file list activelog
activelog help:
This will list active logging files

options are:
page    - pause output
detail  - show detailed listing
reverse - reverse sort order
date    - sort by date
size    - sort by size

file-spec can contain '*' as wildcards

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
```

Query Example:

```
admin:file list activelog?Syntax:
file list activelog file-spec [options]
file-spec   mandatory   file to view
options     optional    page|detail|reverse|[date|size]
```

Ctrl-C exits command

You can stop most interactive commands by entering the **Ctrl-C** key sequence, as shown in the following example:

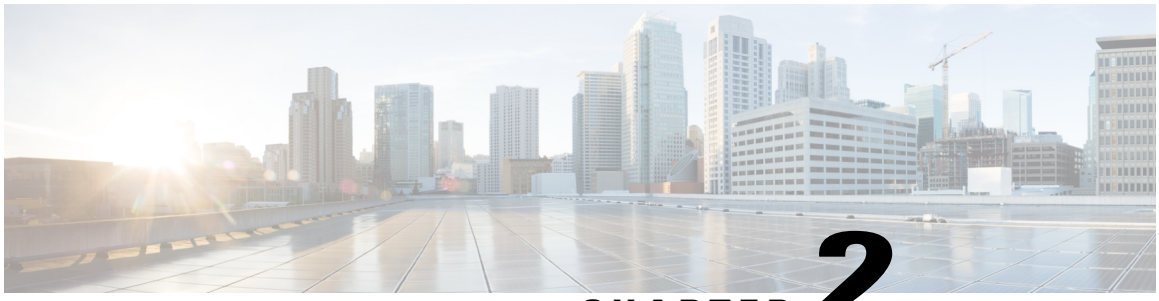
Exiting a Command with Ctrl-C

```
admin:utils system upgrade initiateWarning: Do not close this window
without first exiting the upgrade command.
Source:
1) Remote Filesystem
2) DVD/CD
q) quit
Please select an option (1 - 2 or "q" ):
Exiting upgrade command. Please wait...
Control-C pressed
admin:
```

Note If you execute the command **utils system switch-version** and enter **Yes** to start the process, entering **Ctrl-C** exits the command but does not stop the switch-version process.

Quit CLI session

At the CLI prompt, enter **quit**. If you are logged in remotely, you get logged off, and the ssh session is dropped. If you are logged in locally, you get logged off, and the login prompt returns.



CHAPTER 2

Delete Commands

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delete account

This command allows you to delete an administrator account.

delete account *account-name*

Syntax Description

Parameters	Description
account-name	Specifies the name of an administrator account.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

delete cuc futuredelivery

This command deletes all messages that have been marked for future delivery.

delete cuc futuredelivery

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example deletes two messages that have been marked for future delivery.

```
admin: delete cuc futuredelivery
Deleting File : UmssMtaFutureDelivery/UnityMbxDb1/5C56C086-E64B-11DC-9BAF-41FC55D89593.eml
Deleting File : UmssMtaFutureDelivery/UnityMbxDb1/6D7DD796-E64B-11DC-A0E6-D1FD55D89593.eml
Files : Found = 2, Deleted = 2

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

delete cuc locale

This command deletes the specified locale and all of the associated files and settings from Connection.

delete cuc locale *locale-id*

Syntax Description

Parameters	Description
locale-id	Specifies the ID of the locale that you want to delete.

Command Modes

Administrator (admin:)

Usage Guidelines

Before you run this command, you must stop the Connection Conversation Manager and Connection Mixer services. After you run this command, you must restart the Connection Conversation Manager and Connection Mixer services. While running "delete cuc" locale command, you can choose to retain or not retain the locale mappings at your Unity Connection System. If you choose to retain locale mapping, then after re-install of same locale, all objects like Subscribers and Call handlers are automatically mapped to retained locale. If you choose not to retain the locale mapping, then after uninstall all locale mappings are lost.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example deletes the en-GB locale and all of the associated files and settings.

```
admin:delete cuc locale en-GB

en-GB uninstalled
```

delete dns

This command allows you to delete the IP address for a DNS server.

delete dns *addr*

Syntax Description

Parameters	Description
addr	Represents the IP address of the DNS server that you want to delete.

Command Modes

Administrator (admin:)

Usage Guidelines

After you execute this command, the system asks whether you want to continue.

Caution If you continue, this command causes a temporary loss of network connectivity.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

delete dscp

This command deletes a DSCP port tag.

delete dscp *port-tag*

Syntax Description

Parameters	Description
port-tag	Represents a DSCP port tag, which is a string that is mapped to a TCP or UDP port to identify the application that uses the port. This value is for the portTag field displayed when you use the command **show dscp defaults**. The set of port tags is predefined.

Command Modes

Administrator (admin:)

Usage Guidelines

After you delete an enabled port tag, DSCP marking on that port tag stops. You can recreate a deleted port tag when you use the set dscp marking command; enter the name of the port tag that you previously deleted.

Tip Use the command **show dscp defaults** to list the configured port tags.

Requirements

Applies to: Unified Communications Manager, Cisco Unity Connection

delete ipsec policy_group

This command deletes all policies within the specified group or all groups.

delete ipsec policy_group {*group*| **all**}

Syntax Description

Parameters	Description
group	Represents a specific group name.
all	Deletes all groups.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, Cisco Unity Connection

delete ipsec policy_name

This command deletes an Ipsec policy with given policy name.

delete ipsec policy_name {*policy_name*| **all**}

Syntax Description

Parameters	Description
policy_name	Represents the policy name.
all	Deletes policies within all policy names.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, Cisco Unity Connection

delete process

This command allows you to delete a particular process.

delete process *process-id* [**force**| **terminate**| **crash**]

Syntax Description

Parameters	Description
process-id	Represents the process ID number.
force	Causes the process to stop.
terminate	Causes the operating system to terminate the process.

Parameters	Description
crash	Crashes the process and produces a crash dump.

Command Modes Administrator (admin:)

Usage Guidelines Use the **force** option only if the command alone does not delete the process; use the **terminate** option only if **force** does not delete the process.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

delete smtp

This command allows you to delete the SMTP host.

delete smtp

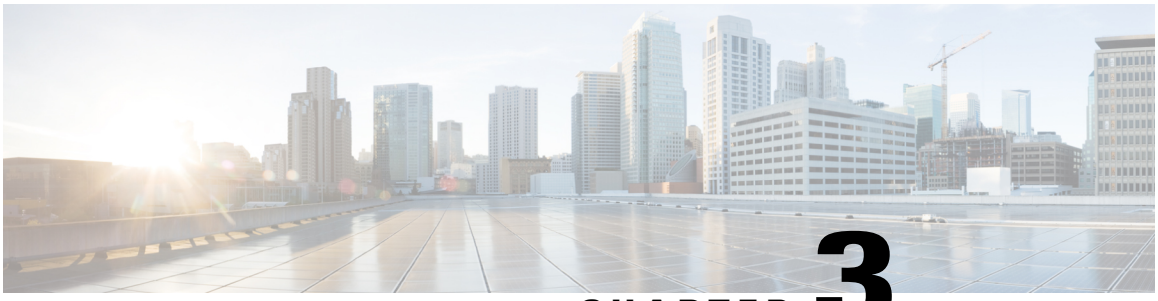
Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection



CHAPTER 3

File Commands

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file build log

This command collects log information by service or feature.

file build log *component*

Syntax Description

Parameters	Description
service/feature	specifies the component or functional area from which to retrieve log information

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level:

Allowed during upgrade:

Examples

This command collects logs for the Client Profile Agent.

```
admin: file build log cpa
Collecting logs

Collecting: logname1.txt
Collecting: logname2.txt

To retrieve run the following command:
 file get epas/trace/acdc_2012-06-28-111258.tar.gz
```

This command collects all logs defined in the xml config.

```
admin:file build log all
Collecting logs

Collecting: logname1.txt
Collecting: logname2.txt

To retrieve run the following command:
 file get epas/trace/acdc_2012-06-28-111258.tar.gz
```

This command collects logs for multiple services.

```
admin:file build log dbmon cpa
Collecting logs

Collecting: logname1.txt
Collecting: logname2.txt

To retrieve run the following command:
 file get epas/trace/acdc_2012-06-28-111258.tar.gz
```

This command shows help.

```
admin:file build log ?
Syntax:
file build log [serviceName [serviceName] ..]

Service Names:
FullName                          ShortName

cisco_client_profile_agent        cpa
cisco_database_layer_monitor      dbmon
cisco_audit_logs                  audit
cisco_ris_dat_collector           risdc
```

file check

This command checks the /usr directory tree to see whether files or directories have been added, removed, or changed in size since the last fresh installation or upgrade and shows the results.

file check [*detection-size-kb*]

Syntax Description

Parameters	Description
detection-size-kb	Specifies the minimum file size change that is required for the command to display the file as changed. Default value: 100 KB.

Command Modes

Administrator (admin:)

Usage Guidelines

The command notifies you about a possible impact to system performance and asks you whether you want to continue. The display includes both deleted and new files.

Caution Because this command can affect system performance, Cisco recommends that you run the command during off-peak hours.

Requirements

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file delete*

file delete

This command deletes a log on the active or inactive side.

file delete {**activelog**| **inactivelog**| **install**} *file-spec* **[detail] [noconfirm]**

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.
file-spec	Specifies the path and filename of the log or logs to delete (includes install log files).

Parameters	Description
detail	Shows a listing of deleted files with the date and time.
noconfirm	Deletes files without asking you to confirm each deletion.

Command Modes Administrator (admin:)

Usage Guidelines You get prompted for confirmation after you enter the command. You cannot delete directories or files that are in use.

Caution You cannot recover a deleted file, but you may be able to with The Disaster Recovery System.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file delete tftp

This command deletes a TFTP file.

file delete tftp *file-spec* **[detail] [noconfirm]**

Syntax Description

Parameters	Description
file-spec	Represents the TFTP file name.
detail	Shows a listing of deleted files with the date and time.
noconfirm	Deletes files without asking you to confirm each deletion.

Command Modes Administrator (admin:)

Usage Guidelines You get prompted for confirmation after you enter the command. You cannot delete directories or files that are in use.

Caution You cannot recover a deleted file, but you may be able to with The Disaster Recovery System.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to:Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file delete dir tftp

This command deletes the TFTP directory.

file delete dir tftp *dir-name* **[detail]**

Syntax Description

Parameters	Description
dir-name	Specifies the TFTP directory to delete.
detail	Shows a listing of deleted files with the date and time.

Command Modes

Administrator (admin:)

Usage Guidelines

You get prompted for confirmation after you enter the command. You cannot delete directories or files that are in use.

Caution You cannot recover a deleted file, but you may be able to with The Disaster Recovery System.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file dump*

file dump

This command dumps the contents of a log, a page at a time.

file dump {**activelog**| **inactivelog**| **install**} *file-spec* **[hex] [recent]** [**regexp** *expression*]

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.
file-spec	Represents the log file to dump.
hex	Shows output in hexadecimal.
recent	Dumps the most recently changed file in the directory.
regexp *expression*	Displays only the lines in the file that match the regular expression *expression*.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

Example

This command dumps contents of file `_cdrIndex.idx`.

```
admin: file dump activelog cm/cdr/_cdrIndex.idx
```

file dump sftpdetails

This command specifies the list of files that can be dumped in the SFTP context and allows you to choose which file to dump.

file dump sftpdetails

Command Modes Administrator (admin:)

Usage Guidelines Enter **a** to dump all SFTP-related files. Enter **q** to exit this command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file dump tftp

This command dumps the contents of a TFTP file to the screen, a page at a time.

file dump tftp *file-spec* **[page] [detail] [hex]**

Syntax Description

Parameters	Description
file-spec	Represents the name of a TFTP file.
page	Displays the output one screen at a time.
detail	Displays the listing with the date and time.
hex	Displays the output in hexadecimal.

Command Modes Administrator (admin:)

Usage Guidelin

Note *file-spec* must resolve to a single file.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file fragmentation sdi*

file fragmentation sdi

This command shows file fragmentation information about SDI log files.

file fragmentation sdi most {**fragmented**| **recent**} [*number*]

Syntax Description

Parameters	Description
most fragmented	Represents the most fragmented log files.
most recent	Represents the most recent logs files.
number	Represents the number of files to list.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file fragmentation sdi file

This command shows file fragmentation information about an SDI log file.

file fragmentation sdi file *filename* **[verbose]**

Syntax Description

Parameters	Description
filename	Represents the SDI log file name.
verbose	Shows more detailed information on the screen.

Command Modes Administrator (admin:)

Requirements

Command privilege level:1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file fragmentation sdi all

This command shows file fragmentation information about all SDI log files in the directory.

file fragmentation sdi all *filename*

Syntax Description

Parameters	Description
filename	Specifies the SDI log file name for which you want to show all fragmentation details.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

file fragmentation sdl*

file fragmentation sdl

This command shows file fragmentation information about the most fragmented SDL log files.

file fragmentation sdl most {**fragmented**| **recent**} [*number*]

Syntax Description

Parameters	Description
most fragmented	Represents the most fragmented log files.
most recent	Represents the most recent log files.
number	Represents the number of files to list.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection.

file fragmentation sdl file

This command displays file fragmentation information about an SDL log file.

file fragmentation sdl file *filename* **[verbose]**

Syntax Description

Parameters	Description
filename	Represents the file name of the SDL log file.
verbose	Shows more detailed information on the screen.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection.

file fragmentation sdl all

This command shows file fragmentation information about all SDL log files in the directory.

file fragmentation sdl all *filename*

Syntax Description

Parameters	Description
filename	Represents the file name for which you want to show all fragmentation details.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection.

file get*

file get

This command sends a log to another system by using SFTP.

file get {**activelog**| **inactivelog**| **install**} *file-spec* [*reltime*| *abstime*] [**match** *regex*] **[recurs] [compress]**

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.
file-spec	Specifies the name of the file to transfer.
reltime	The relative time period, specified in minutes | hours | days | weeks | months | time value

Parameters	Description
abstime	The absolute time period, specified as hh:mm:MM/DD/YY hh:mm:MM/DD/YY
match *regex*	Match a particular string in the filename, specified as *regex*.
recurs	Get all files, including subdirectories.
compress	Transfer files as compressed file.
tftp	

Command Modes

Administrator (admin:)

Usage Guidelines

After the command identifies the specified files, you get prompted to enter an SFTP host, username, and password.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

Example

This example gets all files in the activelog operating system directory that match the string "plat."

```
admin: file get activelog platform match plat
```

This example gets all operating system log files for a particular time period.

```
admin: file get activelog platform/log abstime 18:00:10/20/13 18:00:10/21/13
```

file get salog

This command sends the partBsalog or salog directory to another system by using SFTP.

file get {**partBsalog**| **salog**} *file-spec* [*reltime*| *abstime*] [**match** *regex*] **[recurs] [compress]**

Syntax Description

Parameters	Description
partBsalog	Specifies the partBsalog directory.
salog	Specifies the salog directory.

Parameters	Description
file-spec	Specifies the name of the file to transfer.
reltime	The relative time period, specified in minutes | hours | days | weeks | months | time value
abstime	The absolute time period, specified as hh:mm:MM/DD/YY hh:mm:MM/DD/YY
match *regex*	Match a particular string in the filename, specified as *regex*.
recurs	Get all files, including subdirectories.
compress	Transfer files as compressed file.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command identifies the specified files, you get prompted to enter an SFTP host, username, and password.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file get tftp

This command sends a TFTP file to another system by using SFTP.

file get tftp *file-spec* [*reltime*| *abstime*] [**match** *regex*] **[recurs] [compress]**

Syntax Description

Parameters	Description
file-spec	Specifies the name of the TFTP file to transfer.

Parameters	Description
reltime	The relative time period, specified in minutes | hours | days | weeks | months | time value
abstime	The absolute time period, specified as hh:mm:MM/DD/YY hh:mm:MM/DD/YY
match *regex*	Match a particular string in the filename, specified as *regex*.
recurs	Get all files, including subdirectories.
compress	Transfer files as compressed file.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command identifies the specified files, you get prompted to enter an SFTP host, username, and password.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file list*

file list

This command lists the log files in an available log directory.

file list {**activelog**| **inactivelog**| **install**} *file-spec* [**page**| **detail**| **reverse**] [**date**| **size**]

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.

Parameters	Description
file-spec	Specifies the name of the log file .
page	Shows the output one screen at a time.
detail	Shows a detailed listing with date and time.
reverse	Reverses the sort direction.
date	Sorts files by date.
size	Sorts files by size.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

Example: Log Files with Details

This example lists operating system log files with details.

```
admin: file list activelog platform/log page detail
```

Example: Directories in the CDR Repository

This example lists directories in CDR repository.

```
admin: file list activelog cm/cdr_repository
```

Example: CDR Files by Size

This example lists CDR files in a specified directory by size.

```
admin: file list activelog cm/cdr_repository/processed/20050812 size
```

file list salog

This command lists the partBsalog or salog directory.

file list {**partBsalog**| **salog**} *file-spec* [**page**| **detail**| **reverse**] [**date**| **size**]

Syntax Description

Parameters	Description
partBsalog	Specifies the partBsalog log directory.
salog	Specifies the salog log directory.
file-spec	Specifies the path to the file or files to list.
page	Shows the output one screen at a time.
detail	Shows a detailed listing with date and time.
reverse	Reverses the sort direction.
date	Sorts files by date.
size	Sorts files by size.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to:Unified Communications Manager, Cisco Unity Connection

file list tftp

This command lists TFTP files.

file list tftp *file-spec* [**page**| **detail**| **reverse**] [**date**| **size**]

Syntax Description

Parameters	Description
file-spec	Specifies the name of the TFTP file .
page	Shows the output one screen at a time.

Parameters	Description
detail	Shows a detailed listing with date and time.
reverse	Reverses the sort direction.
date	Sorts files by date.
size	Sorts files by size.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file search*

file search

This command searches the content of a log and shows the matching lines a page at a time.

file search {**activelog| inactivelog| install**} *file-spec* [*reltime*| *abstime*] **[ignorecase]**

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.
file-spec	Specifies the name of the file to search.
reltime	The relative time period, specified in minutes | hours | days | weeks | months | time value
abstime	The absolute time period, specified as hh:mm:MM/DD/YY hh:mm:MM/DD/YY

Parameters	Description
ignorecase	Ignores case in a search.

Command Modes Administrator (admin:)

Usage Guidelines Write the search term in the form of a regular expression, which is a special text string to describe a search pattern.

If the search term is found in only one file, the filename appears at the top of the output. If the search term is found in multiple files, each line of the output begins with the filename in which the matching line was found.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

file search tftp

This command searches the content of a TFTP file and shows the matching lines a page at a time.

file search tftp *file-spec* [*reltime*| *abstime*] **[ignorecase]**

Syntax Description

Parameters	Description
file-spec	Specifies the name of the TFTP file to search.
reltime	The relative time period, specified in minutes | hours | days | weeks | months | time value
abstime	The absolute time period, specified as hh:mm:MM/DD/YY hh:mm:MM/DD/YY
ignorecase	Ignores case in a search.

Command Modes Administrator (admin:)

Usage Guidelines Write the search term in the form of a regular expression, which is a special text string to describe a search pattern.

If the search term is found in only one file, the filename appears at the top of the output. If the search term is found in multiple files, each line of the output begins with the filename in which the matching line was found.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

file tail*

file tail activelog

This command tails (prints the last few lines) of a log file.

file tail {**activelog**| **inactivelog**| **install**} *filespec* **[hex]** [*lines*] [**regexp** *expression*]

Syntax Description

Parameters	Description
activelog	Specifies a log on the active side.
inactivelog	Specifies a log on the inactive side.
install	Specifies an installation log.
filespec	Specifies the path to the file. You can use the wildcard character, *, for filename as long as it resolves to one file.
hex	Show the listing in hexadecimal.
lines	Specifies the number of lines to display.
regexp *expression*	Tails log files that match *expression*

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

Example

This example tails the operating system CLI log file.

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

file tail tftp

This command tails (prints the last few lines) of a TFTP file.

file tail tftp *filespec* **[detail] [hex]** [*lines*]

Syntax Description

Parameters	Description
filespec	Specifies the path to the file. You can use the wildcard character, *, for filename as long as it resolves to one file.
detail	Long listing with date and time
hex	Show the listing in hexadecimal.
lines	Specifies the number of lines to display.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file view*

file view

This command shows the contents of log files.

file view {**activelog**| **inactivelog**| **install**} *file-spec*

Syntax Description

Parameters	Description
activelog	Specifies a log file on the active side.

Parameters	Description
inactivelog	Specifies a log file on the inactive side.
install	Specifies an installation log file.
file-spec	Specifies the path to the file to view. You can use the wildcard character, *, as long as it resolves to one file.

Command Modes Administrator (admin:)

Usage Guidelin

Caution Do not use this command to view binary files because this can corrupt the terminal session.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

Example

This example shows a particular CDR log on the active side.

```
admin: file view activelog /cm/cdr_repository/processed/20058012/{filename}
```

file view system-management-log

This command shows the contents of the Integrated Management Logs (IML).

file view system-management-log

Command Modes Administrator (admin:)

Usage Guidelin

Caution Do not use this command to view binary files because this can corrupt the terminal session.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

file view tftp

This command displays the contents of the installation log.

file view tftp *file-spec*

Syntax Description

Parameters	Description
file-spec	Specifies the path to the file to view. You can use the wildcard character, *, as long as it resolves to one file.

Command Modes

Administrator (admin:)

Usage Guidelin

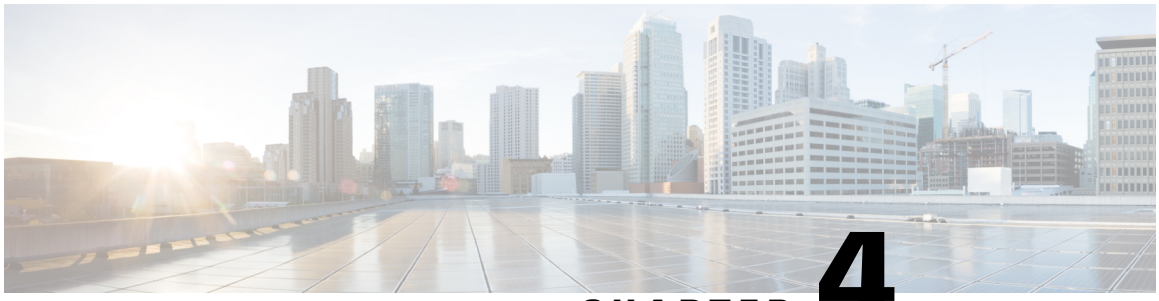
Caution Do not use this command to view binary files because this can corrupt the terminal session.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection



CHAPTER 4

License Commands

- license file, page 33
- license management, page 34

license file

This command asks to select a license file from a list.

license file {**diagnose**| **get**}

Syntax Description

Parameters	Description
diagnose	Prints diagnostic information of the selected file.
get	Creates a TAR file of the license file(s) on the system and transfers the TAR file to a remote area.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management

license management change user

This command takes parameters interactively and changes the username or password of the administrator.

license management change user {**name**| **password**}

Syntax Description

Parameters	Description
name	Specifies the administrator username.
password	Specifies the administrator password. **Note** The password must be at least six characters long, and can contain any combination of alphanumeric characters or the following special characters: underscore (_), exclamation mark (!), at sign (@), pound sign (#), dollar sign ($), percentage sign (%), caret (^), and ampersand (&).

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management list users

This command lists the administrative users.

license management list users

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management product re-register all

This command forces re-registration of all product instances associated with this Enterprise License Manager/Cisco Prime License Manager server. This command may take some time for re-registration and synchronization with all product instances to complete.

license management product re-register all

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management reset

This command resets the identity, store data, and essentially removes all the installed licenses. It also restarts the Cisco Prime License Manager server process to make the changes effective.

license management reset {**identity**| **registration**}

Syntax Description

Parameters	Description
identity	Resets the identity
registration	Resets the registration

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management service

This command activates or deactivates a given service on the Cisco Prime License Manager server.

license management service {**activate**| **deactivate**}

Syntax Description

Parameters	Description
activate	Activates a given service on the Cisco Prime License Manager server.
deactivate	Deactivates a given service on the Cisco Prime License Manager server.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager

license management show system

This command lists the administrative users.

license management show system

Command Modes

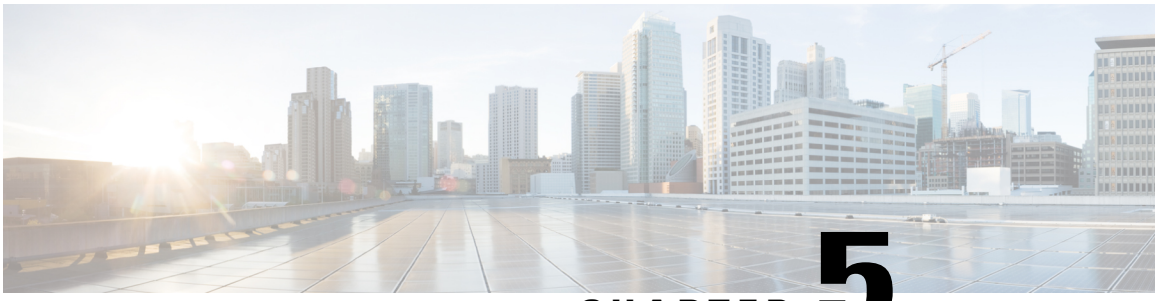
Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Enterprise License Manager, Cisco Prime License Manager



CHAPTER 5

Run Commands

- run cuc*, page 37
- run loadxml, page 42
- run sql, page 42
- run pe sql, page 43

run cuc*

run cuc dbquery

This command runs an SQL query and displays the results.

run cuc dbquery *database_name sql_query* **[page]**

Syntax Description

Parameters	Description
database_name	Specifies the database that *sql_statement* operates on. **Note** Be aware that database names are case sensitive. Connection databases include: unitydirdb: Contains the directory and configuration data. unitydyndb: Contains dynamic data that Connection uses internally. unitymbxdb1 to unitymbxdb5: Contains the data about the current voice messages in the corresponding mailbox store. This data includes pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always unitymbxdb1. unityrptdb: Contains audit log data.
sql_query	Specifies the SQL query that you want to run.

Parameters	Description
page	Shows the output one page at a time. **Note** Be aware that **page** is case sensitive.

Command Modes Administrator (admin:)

Usage Guidelines You can also use the **run cuc dbquery** command with the csp_ConfigurationModify procedure, which configures the Wait for Blind Transfer Ringing timer. The command usage for this timer is as follows:

```
run cuc dbquery unitydirdb execute procedure
csp_ConfigurationModify(pFullName='System.Telephony.WaitForBlindTransferLongTimeoutMs',pvaluelong="new value"
```

where, *new value* specifies the value of the Wait for Blind Transfer Ringing Timer parameter. The default and minimum value of this parameter is 500ms. The maximum value of this parameter can be 5000ms.

-

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example runs the SQL query select alias from vw_usertemplate on the unitydirdb database.

```
admin: run cuc dbquery unitydirdb select alias from vw_usertemplate

alias
---------------------
AdministratorTemplate
VoiceMailUserTemplate
```

run cuc preupgrade test

This command verifies the state of the connection server on which the upgrade process is to be performed and specifies the actions that can be taken before upgrading the system.

run cuc preupgrade test

Command Modes Administrator (admin:)

Usage Guidelines None

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:run cuc preupgrade test
================================================================================
DISCLAIMER ::
This cli command should be executed from publisher before upgrade to
check system health. This cli command is not intended to correct the
system state , rather it aims at informing the administrator what all
actions are advised to be taken before running upgrade.
================================================================================
Checking connection db. Please wait...Done
Checking critical services. Please wait...Done
Checking cluster state. Please wait...Done
Checking cop file installation. Please wait...Done
Checking locales installation. Please wait...Done
Checking drs backup history. Please wait...Done
================================================================================
R E P O R T    C A R D
================================================================================
Locales Installation Test: PASS
Connection DB Test: PASS
DRS Backup History Test: FAIL
Cluster State Test: SKIPPED
Critical Services Test: PASS
Cop File Installation Test: SKIPPED
================================================================================
A C T I O N   S U M M A R Y
================================================================================
ACTION : Connection DB is online.
       NO constraints were found disabled in :unitydirdb,NO ACTION required before upgrade.

         NO indexes were found disabled in :unitydirdb,NO ACTION required before upgrade.
       NO constraints were found disabled in :unitydyndb,NO ACTION required before upgrade.

         NO indexes were found disabled in :unitydyndb,NO ACTION required before upgrade.
         NO constraints were found disabled in :unitymbxdb1,NO ACTION required before
upgrade.
         NO indexes were found disabled in :unitymbxdb1,NO ACTION required before upgrade.
       NO constraints were found disabled in :unityrptdb,NO ACTION required before upgrade.

         NO indexes were found disabled in :unityrptdb,NO ACTION required before upgrade.
        Connection DB state is GOOD,NO ACTION required before upgrade.
ACTION : All Critical services are running ,NO ACTION required before upgrade.
ACTION : Standalone/Cores detected , excluding cluster state checking
ACTION : Skipping COP installation check, product version detected :'8.6.2.21018-1',NO
ACTION required before upgrade.
ACTION : No locales were found installed ,NO ACTION required before upgrade.
ACTION : Make Sure DRS backup is taken aleast a day before upgrade.
Check report /var/log/active/cuc/cli/preupgrade_120325-224523.txt for details.
```

run cuc smtptest

This command initiates a test that helps to verify the outgoing or incoming SMTP configuration for SpeechView transcriptions.

run cuc smtptest *email-address*

Syntax Description

Parameters	Description
email-address	Specifies the email address.

Command Modes

Administrator (admin:)

Usage Guidelines

The test sends a test message to a specified email address. You then access the email account and reply to the test message without changing the subject line. The test passes after the Cisco Unity Connection server receives the response. The success or failure of parts of the test help to pinpoint problems in the outgoing or incoming SMTP configuration for transcriptions.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection.

Example

The following example runs the Sysagent task CleanDeletedMessagesTask.

```
admin: run cuc sysagent task CleanDeletedMessagesTask
```

run cuc sysagent task

This command runs a Sysagent task.

run cuc sysagent task *task_name*

Syntax Description

Parameters	Description
task_name	Specifies the name of the Sysagent task that you want to run.

In an HTTP(S) network, you need to provide the HTTP(S) link display name as a parameter in the command to run directory synchronization (Data.LocalNetworkSync) and voice name synchronization (Data.LocalNetworkSync.Voicename) tasks. The syntax is shown below:

run cuc sysagent task *task_name HTTP(S)LinkDisplayName*

The following example runs the `Data.LocalNetworkSync` task:

```
admin: run cuc sysagent task Data.LocalNetworkSync HTTP(S)LinkDisplayName1
```

```
Data.LocalNetworkSync started
```

Where HTTP(S)LinkDisplayName is the display name of the HTTP(S) link with which you want to synchronize the directory information.

Note Before running the command, make sure that the scheduled task for directory or voice name synchronization is disabled for the specified HTTP(S) link "HTTP(S)LinkDisplayName" to avoid any issues in synchronization.

Command Modes Administrator (admin:)

Usage Guidelines For a list of Sysagent tasks, run the command **show cuc sysagent task list** (Cisco Unity Connection only). Be aware that sysagent task names are case sensitive.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example runs the Sysagent task Umss.CleanDeletedMessagesTask.

```
admin: run cuc sysagent task Umss.CleanDeletedMessagesTask

Umss.CleanDeletedMessagesTask started
```

run cuc vui rebuild

This command instructs the voice recognition transport utility to immediately rebuild the voice recognition name grammars with pending changes.

run cuc vui rebuild

Command Modes Administrator (admin:)

Usage Guidelines This command rebuilds only grammars that have changes flagged in the database. This command ignores name grammar update blackout schedules and executes immediately. Due to the overhead of retrieving potentially large amounts of name-related data from the database, you should use this command sparingly and only when absolutely necessary.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

run loadxml

This command is a workaround for when service parameters or product-specific information does not appear in the administration window as expected.

run loadxml

Command Modes

Administrator (admin:)

Usage Guidelin

Note This command is processor intensive, and you may need to restart some services after you run this command.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

run sql

This command allows you to run an SQL command.

run sql *sql_statement*

Syntax Description

Parameters	Description
sql_statement	Specifies the SQL command to run.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: 0

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

Note Users with ordinary privileges can run read-only SQL commands.

Example

This example runs an SQL command.

```
admin: run sql select name from device
```

run pe sql

This command allows you to run an input SQL statement against the specified presence datastore.

run pe sql *datastore_name sql_statement*

Syntax Description

Parameters	Description
datastore_name	Represents the name of the datastore.
sql_statement	Represents the SQL command to run.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

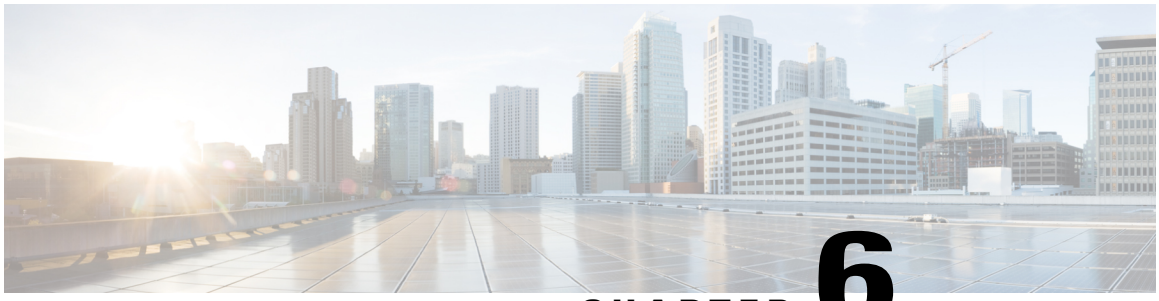
Applies to: IM and Presence service on Unified Communications Manager

Note Users with ordinary privileges can run read-only SQL commands.

Example

This example runs an SQL command against the datastore.

```
admin: run pe sql ttsoft select * from presenceeventtable
```



CHAPTER 6

Set Commands

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set account*

set account enable

This command enables the OS user account that was disabled because of password inactivity.

set account enable *user-id*

Syntax Description

Parameters	Description
user-id	Specifies the user ID of the account that was disabled.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

set account name

This command sets up a new account on the operating system.

set account name *name*

Syntax Description

Parameters	Description
name	Represents the username for the new account.

Command Modes

Administrator (admin:)

Usage Guidelines

After you enter the username, the system prompts you to enter the privilege level (0 or 1) and password for the new account. The privilege levels definitions are as follows:

Privilege level 0

Specifies an ordinary privilege level. Users with ordinary privileges can run CLI commands with privilege level 0 only.

Privilege level 1

Specifies an advanced privilege level. Users with advanced privileges can run CLI commands with privilege level 1 and below.

Note The administrator account that the system creates when Unified Communications Manager installs has a privilege level of 4. The administrator can run all commands in the CLI.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

set accountlocking*

set accountlocking

This command enables or disables account locking for the current administration accounts.

set accountlocking {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Enable account locking.
disable	Disable account locking.

Command Modes

Administrator (admin:)

Usage Guidelin

Note After you run this command with **enable**, the system automatically enables account lockout notification after the system enables the audit logging function.

Requirements

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

set accountlocking count

This command sets the global consecutive failed sign-in attempt count that triggers locking a user account.

set accountlocking count *attempts*

Syntax Description

Parameters	Description
attempts	Represents the number of consecutive sign-in attempts before the system locks the account. Value Range: 2-5 Default value: 3

Command Modes

Administrator (admin:)

Usage Guidelines

To change the global value for consecutive failed sign-in attempts before the system locks a user account, execute this command.

Note This command is only valid when account locking is enabled. If account locking is disabled, the system does not remember the account locking value and uses the default value, 3, after you enable account locking.

Requirements

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

set accountlocking unlocktime

This command configures the unlock time for the current Unified Communications Manager admin accounts

set accountlocking unlocktime *seconds*

Syntax Description

Parameters	Description
seconds	Specifies the unlock time in seconds. Valid values: greater than 300 seconds, but less than 3600 seconds (60 minutes).

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, Cisco Unity Connection

set cert*

set cert bulk consolidate

This command consolidates all the certificates that are available on the unit.

set cert bulk consolidate *unit*

Syntax Description

Parameters	Description
unit	Represents the unit name.

Command Modes

Administrator (admin:)

Usage Guidelines

You must specify the SFTP server information to use for cert bulk operations.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Related Topics

set cert bulk sftp, on page 51

set cert bulk export

This command exports all the certificates that are available on the unit.

set cert bulk export *unit*

Syntax Description

Parameters	Description
export	Exports all the available certificates for this unit in this cluster to the preconfigured SFTP location.
unit	Represents the unit name.

Command Modes

Administrator (admin:)

Usage Guidelines

You must specify the SFTP server information to use for cert bulk operations.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set cert bulk export all
Successfully exported tomcat certificate(s) to sftp server.
Successfully exported tftp certificate(s) to sftp server.
```

Related Topics

set cert bulk sftp, on page 51

set cert bulk import

This command imports the certificates that are in the SFTP location into the specified unit trust-store.

set cert bulk import *unit*

Syntax Description

Parameters	Description
unit	Represents the unit name.

Command Modes

Administrator (admin:)

Usage Guidelines

You must specify the SFTP server information to use for cert bulk operations.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set cert bulk import all
Successfully imported tomcat certificates.
Successfully imported tftp certificates.
```

Related Topics

set cert bulk sftp, on page 51

set cert bulk sftp

This command prompts for the SFTP server information to use for bulk operations.

set cert bulk sftp

Command Modes

Administrator (admin:)

Usage Guidelines

You must specify the SFTP server information to use for cert bulk operations.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set cert delete

This command deletes a specific certificate file from the trust unit.

set cert delete *unit name*

Syntax Description

Parameters	Description
unit	Specifies the name of the trust category, as “own” or “trust”.
name	Certificate file name.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set cert delete cucm siptest.pem
```

set cert import

This command imports the specified certificate for the specified certificate type.

set cert import *type name* [*caCert*]

Syntax Description

Parameters	Description
type	Specifies the certificate type as “own” or “trust”.
name	Represents the unit name.
[*caCert*]	Represents the name of the CA certificate file name.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set cert import trust tomcat
Successfully imported certificate for tomcat.
Please restart services related to tomcat for the new certificate to
become active.
```

set cert regen

This command regenerates the certificate for the specified unit.

set cert regen *name*

Syntax Description

Parameters	Description
name	Represents the unit name.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set cert regen tomcat
Successfully regenerated certificate for tomcat.
```

set cli*

set cli pagination

For the current CLI session, this command turns automatic pagination On or Off.

set cli pagination {**on**| **off**}

Syntax Description

Parameters	Description
on	Turns pagination on.
off	Turns pagination off.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

```
admin:set cli pagination off
Automatic pagination is turned off
```

set cli session timeout

This command sets the time, in minutes, after which an active CLI session times out and disconnects.

set cli session timeout *minutes*

Syntax Description

Parameters	Description
minutes	Specifies the time, in minutes, that can elapse before an active CLI session times out and disconnects. • Value range: 5-99999 minutes • Default value: 30 minutes

Command Modes

Administrator (admin:)

Usage Guidelines

Be aware that the new session timeout value becomes effective immediately for a new CLI session; however, active sessions retain their original timeout value. Also the show cli session timeout command reflects the new value, even if the current session does not use that value.

Note This setting gets preserved through a software upgrade and does not get reset to the default value.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set commandcount

This command changes the CLI command prompt, so it displays how many CLI commands have executed.

set commandcount {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Turns on command count.
disable	Turns off command count.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set csr gen

This command generates the csr for the unit name.

set csr gen *name*

Syntax Description

Parameters	Description
name	Specifies the unit on which the certificate is generated.

Command Modes

Administrator (admin:)

Requirements

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set csr gen tomcat
Successfully Generated CSR for tomcat.
```

Requirements

Command privilege level: 1

Allowed during upgrade: No

set cuc jetty*

set cuc jetty stderrlog

This command enables or disables the error log getting generated while any standard error occurs during communicating with the Jetty server. This error log gets generated and is available at the path `/var/log/active/jetty/`.

set cuc jetty stderrlog {**enable| disable**}

Syntax Description

Parameters	Description
enable	Enables the error log on the Jetty server. Be aware that enable is case sensitive.
disable	Disables the error log on the Jetty server. Be aware that disable is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelin

Caution You must restart the Jetty services after enabling or disabling the error log on the Jetty server.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection only.

Enable Error Log on Jetty Server Example

```
admin:set cuc jetty stderrlog enable

Command is executed successfully
To effect changes restart jetty server
Restart Jetty Server through Unity Connection Serviciabilty .
Go to Tools -> Service Management -> Restart Connection Jetty Service.
Check the logs that should not be generated after running above command.
Check the requestlog by sending one voice message through webinbox.
Notifications should not come in logs
```

set cuc jetty stdoutlog

This command enables or disables the standard input and output log getting generated while communicating with Jetty server. This standard input and output log gets generated and is available at the path `/var/log/active/jetty/`.

set cuc jetty stdoutlog {**enable| disable**}

Syntax Description

Parameters	Description
enable	Enables the standard input and output log on the Jetty server. Be aware that enable is case sensitive.
disable	Disables the standard input and output log on the Jetty server. Be aware that disable is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelin

Caution You must restart the Jetty services after enabling or disabling the standard input and output log on the Jetty server.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection only.

Enable Standard Input and Output Log on Jetty Server Example

```
admin:set cuc jetty stdoutlog enable

Command is executed successfully
To effect changes restart jetty server
Restart Jetty Server through Unity Connection Serviciabilty .
Go to Tools -> Service Management -> Restart Connection Jetty Service.
Check the logs that should not be generated after running above command.
Check the requestlog by sending one voice message through webinbox.
Notifications should not  come in logs
```

set cuc jetty requestlog

This command enables or disables the request log getting generated from the Jetty server while any request is raised for notifications. This request log gets generated and is available at the path `/usr/local/jetty/logs/`.

set cuc jetty requestlog {**enable| disable**}

Syntax Description

Parameters	Description
enable	Enables the request log on the Jetty server. Be aware that “enable” is case sensitive.
disable	Disables the request log on the Jetty server. Be aware that “disable” is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelin

Caution You must restart the Jetty services after enabling or disabling the request log on the Jetty server.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection only.

Enable Request Log on Jetty Server Example

```
admin:set cuc jetty requestlog enable

Command is executed successfully
To effect changes restart jetty server
Restart Jetty Server through Unity Connection Serviciabilty .
Go to Tools -> Service Management -> Restart Connection Jetty Service.
```

```
Check the logs that should not be generated after running above command.
Check the requestlog by sending one voice message through webinbox.
Notifications should not come in logs
```

set cuc trace

This command enables or disables the specified traces and trace levels.

set cuc trace {**enable**| **disable**} *trace_name level*

Syntax Description

Parameters	Description
enable	Enables Connection traces.
disable	Disables Connection traces.
trace_name	Specifies the name of the trace to enable or disable. Be aware that trace names are case sensitive.
level	Specifies the level or levels of trace_name that you want to enable or disable. Each trace comprises up to 31 levels, numbered 0 to 30; each level provides a different type of information for the specified trace. When you enable or disable multiple levels, use a comma to separate levels and a hyphen to indicate a range of levels. Do not include spaces.

Command Modes

Administrator (admin:)

Usage Guidelines

To display a list of the traces and trace levels that are currently enabled, use the **show cuc trace levels** (Cisco Unity Connection Only) command.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection only.

Enable VUI Traces 1, 13, and 17 Through 20 Example

```
admin:set cuc trace enable VUI 1,13,17-20
VUI trace levels are now set to: 1,13,17-20
```

Disable VUI Traces 17 Through 20 While VUI Trace Levels 1 and 13 Remain Set Example

```
admin:set cuc trace disable VUI 17-20
VUI trace levels are now set to: 1,13
```

Related Topics

show cuc trace levels, on page 127

set date

This command changes the time and date on the server.

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

Syntax Description

Parameters	Description
HH:mm:ss	Represents the time format (24 hours format).
MM/DD/YY	Represents the date format. **Note** Date format MM/DD/YYYY is also accepted.

Command Modes

Administrator (admin:)

Usage Guidelines

If the server is configured to synchronize with external NTP servers, this command requires the user to remove all of those NTP servers.

Requirements

Applies to: Unified Communications Manager and Cisco Unity Connection.

Set Date and Time to 2:10:33 Pm April 13th 2012 Example

```
admin:set date 14:10:33:04/13/12
```

Requirements

Command privilege level: 1

Allowed during upgrade: No

set dscp*

set dscp defaults

This command sets the factory default DSCP settings for all of the port tags.

set dscp defaults

Command Modes Administrator (admin:)

Usage Guidelines All non-default DSCP settings get removed after you run this command.

You can use the command show dscp defaults to see the factory default DSCP settings.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set dscp

This command enables or disables DSCP marking on outgoing TCP or UDP packets. You can enable or disable DSCP on a single port tag, or on all port tags at once.

set dscp {**enable**| **disable**}{**all**| *port_tag*}

Syntax Description

Parameters	Description
all	Disables all DSCP port tags.
port_tag	Represents a DSCP port tag, which is a string that is mapped to a TCP or UDP port to identify the application that uses the port. This value is for the portTag field displayed when you use the command **show dscp defaults**. The set of port tags is predefined.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set dscp marking

This command sets DSCP markings on port tags by using well-known DSCP classes and numeric values.

set dscp marking *port_tag value*

Syntax Description

Parameters	Description
port_tag	Represents a DSCP port tag, which is a string that is mapped to a TCP or UDP port to identify the application that uses the port. This value is for the portTag field displayed when you use the command **show dscp defaults**. The set of port tags is predefined.
value	A DSCP value. You can enter the name of a well-known DSCP class or a numeric value in decimal or hexadecimal format. Precede hexadecimal values with 0x or 0X.

Command Modes

Administrator (admin:)

Usage Guidelines

The valid class names as defined by DSCP are:

- Class Selector: values CS0, CS1, CS2, CS3, CS5, CS6, CS7

  The class selector (CS) values correspond to IP Precedence values and are fully compatible with IP Precedence.

- Expedited Forwarding: value EF

  EF PHB is ideally suited for applications such as VoIP that require low bandwidth, guaranteed bandwidth, low delay, and low jitter.

- Best Effort: value BE

  Also called default PHB, this value essentially specifies that a packet be marked with 0x00, which gets the traditional best-effort service from the network router.

- Assured Forwarding: values AF11, AF12, AF13, AF21, AF22, AF23, AF41, AF42, AF43

  There are four types of Assured Forwarding classes, each of which has three drop precedence values.

  These precedence values define the order in which a packet is dropped (if needed) due to network congestion. For example, packets in AF13 class are dropped before packets in the AF12 class.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set ipsec*

set ipsec policy_group

This command enables ipsec policies with the specified policy group name.

set ipsec policy_group {**ALL**| *group*}

Syntax Description

Parameters	Description
ALL	Enables all ipsec policy groups.
group	Specifies the name of a particular ipsec policy group to enable.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager and Cisco Unity Connection.

set ipsec policy_name

This command enables the specified ipsec policy.

set ipsec policy_name {**ALL**| *policy_name*}

Syntax Description

Parameters	Description
ALL	Enables all ipsec policies.
policy_name	Specifies the name of a particular ipsec policy to enable.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager and Cisco Unity Connection.

set logging

This command allows you to enable or disable CLI Admin logs.

set logging {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Turns on logging.
disable	Turns off logging.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network*

set network cluster publisher

This command sets the network cluster publisher hostname and IP address.

set network cluster publisher {**hostname**| **ip**} *name*

Syntax Description

Parameters	Description
hostname	Specifies the hostname of the network cluster.
ip	Specifies the ip address of the network cluster.

Parameters	Description
name	Hostname or IP address to assign to the network cluster publisher.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network dhcp eth0

This command enables or disables DHCP for Ethernet interface 0. You cannot configure Ethernet interface 1.

set network dhcp eth0 {**enable**| **disable** } {*node_ip*| *net_mask*| *gateway_ip* }

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
enable	This enables DHCP.
disable	This disables DHCP.
disable	This disables DHCP.
node_ip	Represents the static IP address for the server.
net_mask	Represents the subnet mask for the server.
gateway_ip	Represents the IP address of the default gateway.

Command Modes Administrator (admin:)

Usage Guidelin

Caution If you continue, this command causes the system to restart. Cisco also recommends that you restart all nodes whenever any IP address gets changed.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network dns

This command sets the IP address for the primary or secondary DNS server.

set network dns {**primary**| **secondary**} *addr*

Syntax Description

Parameters	Description
primary	
secondary	
addr	Represents the IP address of the primary or secondary DNS server.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network dns options

This command sets DNS options.

set network dns options [**timeout**| *seconds*] [**attempts**| *number*] [**rotate**]

Syntax Description

Parameters	Description
timeout	Sets the DNS timeout.
attempts	Sets the number of times to attempt a DNS request.
rotate	Causes the system to rotate among the configured DNS servers and distribute the load.
seconds	Specifies the DNS timeout period in seconds.
number	Specifies the number of attempts.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network domain

This command sets the domain name for the system.

Note Changing the domain name triggers an automatic regeneration of all Cisco Unified Communications Manager certificates, including any third party signed certificates that have been uploaded. After the server reboots automatically, phones running in secure (mixed) mode cannot connect to the server until after the CTL client updates the new CTL file to the phones.

Note Reboot the servers one at a time in order for the phones to register correctly. For more information about changing the domain name, see *Changing the IP Address and Hostname for Cisco Unified Communications Manager*.

set network domain [*domain-name*]

Syntax Description

Parameters	Description
domain_name	Represents the system domain that you want to assign.

Command Modes Administrator (admin:)

Usage Guidelines The system asks whether you want to continue to execute this command.

Caution If you continue, this command causes a temporary loss of network connectivity.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network failover

This command enables and disables Network Fault Tolerance on the Media Convergence Server network interface card.

set network failover {**ena**| **dis**}

Syntax Description

Parameters	Description
ena	Enables Network Fault Tolerance.
dis	Disables Network Fault Tolerance.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set network gateway

This command enables you to configure the IP address of the network gateway.

set network gateway *addr*

Syntax Description

Parameters	Description
addr	Represents the IP address of the network gateway that you want to assign.

Command Modes

Administrator (admin:)

Usage Guidelines

The system asks whether you want to continue to execute this command.

Caution If you continue, this command causes the system to restart.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set network hostname

This command allows an administrator to set the network host name, change the IP address of the node, and restart the system.

Before attempting this command, the administrator should have a valid DRF backup. Additionally, before attempting a Hostname (or Hostname and IP address) change, the administrator should perform the following:

- verify the cluster configuration does not have any configuration problems by executing **show hcs cluster verify detailed**
- update the cluster configuration by executing **set hcs cluster config**
- validate the cluster configuration by executing **show hcs cluster verify detailed**

set network hostname *hostname*

Syntax Description

Parameters	Description
hostname	Represents the new network hostname of the system. **Note** The host name must follow the rules for ARPANET host names. It must start with an alphabetic character, end with an alphanumeric character, and consist of alphanumeric characters and hyphens. The host name can have a maximum length of 63 characters.

Command Modes Administrator (admin:)

Usage Guidelines The system asks whether you want to continue to execute this command.

Caution If you continue, this command causes the system to restart.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set network hostname

WARNING: Changing this setting will invalidate software license
on this server. The license will have to be re-hosted.
Continue(y/n):
Continue (y/n)?y

ctrl-c: To quit the input.


*** W A R N I N G ***
Do not close this window without first canceling the command.

This command will automatically restart system services.
The command should not be issued during normal operating
hours.

======================================================
Note: Please verify that the new hostname is a unique
name across the cluster and, if DNS services are
utilized, any DNS configuration is completed
before proceeding.
======================================================

Security Warning : This operation will regenerate
all CUCM Certificates including any third party
signed Certificates that have been uploaded.

Enter the hostname:: app-lfwelty5
Would you like to change the network ip address at this time [yes]::


Warning: Do not close this window until command finishes.


ctrl-c: To quit the input.


*** W A R N I N G ***
======================================================
```

```
Note: Please verify that the new ip address is unique
across the cluster.
=======================================================

Enter the ip address:: 106.1.34.154
Enter the ip subnet mask:: 255.0.0.0
Enter the ip address of the gateway:: 106.1.1.1
Hostname: app-lfwelty5
IP Address: 106.1.34.154
IP Subnet Mask: 255.0.0.0
Gateway: 106.1.1.1

Do you want to continue [yes/no]? yes
...
```

Note The administrator can change both the hostname and IP address by responding **yes**. To change just the hostname, respond **no**.

set network ip eth0

This command sets the IP address for Ethernet interface 0. You cannot configure Ethernet interface 1.

Before attempting this command, the administrator should have a valid DRF backup. Additionally, before attempting an IP address change, the administrator should perform the following:

- verify the cluster configuration does not have any configuration problems by executing **show hcs cluster verify detailed**
- update the cluster configuration by executing **set hcs cluster config**
- validate the cluster configuration by executing **show hcs cluster verify detailed**

set network ip eth0 *addr mask gw*

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
addr	Represents the IP address that you want to assign.
mask	Represents the IP mask that you want to assign.
gw	Represents the IP default gw that you want to assign.

Command Modes

Administrator (admin:)

Usage Guidelines The system asks whether you want to continue to execute this command.

Caution If you continue, this command causes the system to restart.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set network ipv6 dhcp

This command sets the DHCPv6 client on the server and enables IPv6 support. For changes to take effect, you must restart the server.

set network ipv6 dhcp {**enable**| **disable**} **[reboot]**

Syntax Description

Parameters	Description
dhcp	Sets the DHCPv6 client on the server. By default, the server does not restart after you enable the DHCPv6 client. For your changes to take effect, you must restart the server by either entering the reboot parameter or manually restarting the server.
enable	Enables IPv6 support.
disable	Disables IPv6 support.
reboot	(Optional) Causes the server to automatically restart after you enter the command.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

set network ipv6 gateway

This command sets the IPv6 gateway for the server. For changes to take effect, you must restart the server.

set network ipv6 gateway *addr* **[reboot]**

Syntax Description

Parameters	Description
gateway	Sets the IPv6 gateway for the server. By default, the server does not restart after you set the IPv6 gateway for the server. For your changes to take effect, you must restart the server by either entering the reboot parameter or manually restarting the server.
addr	The IPv6 gateway address.
reboot	(Optional) Causes the server to automatically restart after you enter the command.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

set network ipv6 service

This command enables or disables the IPv6 service on the server. For changes to take effect, you must restart the server.

set network ipv6 service {**enable**| **disable**} **[reboot]**

Syntax Description

Parameters	Description
service	Sets the IPv6 service on the server. By default, the server does not restart after you enable or disable the IPv6 service on the server. For your changes to take effect, you must restart the server by either entering the reboot parameter or manually restarting the server.
enable	Enables IPv6 service on the server.
disable	Disables IPv6 service on the server.
reboot	(Optional) Causes the server to automatically restart after you enter the command.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

set network ipv6 static_address

This command assigns the static IPv6 address to the server. For changes to take effect, you must restart the server.

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

Syntax Description

Parameters	Description
static_address	Assigns a static IPv6 address to the server. By default, the server does not restart after you assign the static IPv6 address. For your changes to take effect, you must restart the server by either entering the reboot parameter or manually restarting the server.
addr	Specifies the static IPv6 address you assign to the server.
mask	Specifies the IPv6 network mask (0-128).
reboot	(Optional) Causes the server to automatically restart after you enter the command.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

set network max_ip_conntrack

This command sets the ip_conntrack_max value.

set network max_ip_conntrack *ip_conntrack_max value*

Syntax Description

Parameters	Description
ip_conntrack_max value	Specifies the value for ip_conntrack_max. **Note** The value of ip_conntrack_max cannot be less than 65536.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set network max_ip_conntrack 65536
```

set network mtu

This command sets the maximum MTU value.

set network mtu *mtu_max*

Syntax Description

Parameters	Description
mtu_max	Specifies the maximum MTU value. The system default MTU value equals 1500. **Caution** When packets on UDP port 8500 that have the DF bit set are exchanged between nodes, if there is any policy on the WAN router to clear the DF bit and fragment large packets, this may cause dbreplication issues.

Command Modes

Administrator (admin:)

Usage Guidelines

The system asks whether you want to continue to execute this command.

Caution If you continue, the system loses network connectivity temporarily.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

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...
```

set network nic eth0

This command sets the properties of the Ethernet Interface 0. You cannot configure Ethernet interface 1.

set network nic eth0 {**auto** | {**en**| **dis**}} {**speed**| {**10**| **100**}} {**duplex half**| {**half**| **full**}}

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
auto	Specifies whether auto negotiation gets enabled or disabled.
speed	Specifies whether the speed of the Ethernet connection: 10 or 100 Mb/s.
duplex	Specifies half-duplex or full-duplex.

Command Modes

Administrator (admin:)

Usage Guidelines

The system asks whether you want to continue to execute this command.

Note You can enable only one active NIC at a time.

Caution If you continue, this command causes a temporary loss of network connections while the NIC gets reset.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set network pmtud state

This command enables and disables Path MTU Discovery.

set network pmtud state {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Enables Path MTU Discovery.
disable	Disables Path MTU Discovery.

Command Modes

Administrator (admin:)

Usage Guidelines

The system asks whether you want to continue to execute this command.

Caution If you continue, the system loses network connectivity temporarily.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set network pmtud state enable      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...
```

set network restore

This command configures the specified Ethernet port to use a specified static IP address.

set network restore eth0 *ip-address network-mask gateway*

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
ip-address	Represents the IP address of the primary or secondary DNS server, or the network gateway that you want to assign. If you continue, this command causes a temporary loss of network connectivity. If you change the IP address for the primary DNS server, you must also restart the Cisco Tomcat service. For more information, see the **utils service** command. We also recommend that you restart all nodes whenever any IP address gets changed.
network-mask	Represents the subnet mask for the server.
gateway	Specifies the IP address of the default gateway.
ip-address	Represents the IP address of the primary or secondary DNS server, or the network gateway that you want to assign. If you continue, this command causes a temporary loss of network connectivity. If you change the IP address for the primary DNS server, you must also restart the Cisco Tomcat service. For more information, see the **utils service** command. We also recommend that you restart all nodes whenever any IP address gets changed.

Command Modes

Administrator (admin:)

Usage Guidelines

Caution Only use this command option if you cannot restore network connectivity through any other set network commands. This command deletes all previous network settings for the specified network interface, including Network Fault Tolerance. After you run this command, you must restore your previous network configuration manually.

Caution The server temporarily loses network connectivity after you run this command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set network restore eth0   10.94.150.108   255.255.255.0   10.94.150.1
```

set network status eth0

This command sets the status of Ethernet 0 to up or down. You cannot configure Ethernet interface 1.

set network status eth0 {**up**| **down**}

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
up	Sets the status of Ethernet interface 0 to up.
down	Sets the status of Ethernet interface 0 to down.

Command Modes

Administrator (admin:)

Usage Guidelines

The system asks whether you want to continue to execute this command.

Caution If you continue, the system loses network connectivity temporarily.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password*

set password age

This command modifies the value for password age, in days, for Cisco Unified Communications Operating System accounts.

set password age {**maximum**| **minimum**} *days*

Syntax Description

Parameters	Description
maximum	Specifies the maximum age.

Parameters	Description
minimum	Specifies the minimum age.
days	Specifies the maximum password age and must be greater-than or equal-to 90 days.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password change-at-login

Use this command to force new or existing users to change their password when they sign in to the system the next time.

set password change-at-login {**disable| enable**} *userid*

Syntax Description

Parameters	Description
disable	This does not force users to change their password.
enable	This forces users to change their password when they sign in to the system the next time.
userid	Specifies the affected user account.

Command Modes

Administrator (admin:)

Usage Guidelines

By default, this command is enabled for new users, so users have to change their password the first time they sign in to the system.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence service on Cisco Unified Communications Manager only.

set password complexity character

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

Note After you enable password complexity, this command also enables password history if it has not already been enabled (for more information, see the **set password history** command). If you had not previously enabled password history, the password history number parameter value gets set to 10. If you previously enabled password history with a value of less than 10, the value gets reset to 10 after you execute this command. If you previously enabled password history with a value of 10 or greater, the value remains unchanged after you execute this command.

set password complexity character {**disable**| **enable**} *num-char*

Syntax Description

Parameters	Description
disable	This turns off password complexity for character types.
enable	This turns on password complexity for character types. **Note** When you disable password complexity, you also turn off **password character difference**, **password character max-repeat**, and **password history**.
num-char	This specifies the number of characters required from each of the four character sets: lowercase, uppercase, numbers, and special characters. • Value range: 0-8 • Default value: 1

Command Modes

Administrator (admin:)

Usage Guidelines

When you enable password complexity, you must follow these guidelines when you assign a password:

- It must have at least the current setting, num-chars, of lower-case character.
- It must have at least the current setting, num-chars, of uppercase characters.
- It must have at least the current setting, num-chars, of digit characters.
- It must have at least the current setting, num-chars, of special characters.
- You cannot use adjacent characters on the keyboard; for example, qwerty.
- You cannot reuse any of the previous passwords that match the passwords retained by password history.

• By default, the admin user password can be changed only once in a 24-hour day.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password complexity character difference

This command specifies the number of characters that the character sequence in a new password must differ from the character sequence in the old password.

set password complexity character difference *num-char*

Syntax Description

Parameters	Description
num-char	This specifies the number of characters that the character sequence in a new password must differ from the character sequence in the old password. • Value range: 0-31

Command Modes

Administrator (admin:)

Usage Guidelines

Enter 0 to indicate no difference.

Note The maximum password length is 31 characters.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password complexity character max-repeat

This command specifies the number of times you can consecutively repeat a single character in a new password.

set password complexity character max-repeat *max-repeat*

Syntax Description

Parameters	Description
max-repeat	This specifies the number of times you can consecutively repeat a single character in a new password. • Value range: 0 – 10 Default value: 0

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password expiry maximum-age

This command enables or disables the password expiry maximum age settings for Cisco Unified Operating System Administrator accounts.

set password expiry maximum-age {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Turns on password expiry maximum age settings for Cisco Unified Operating System administrator accounts. The set password expiry enable command sets the value of **maximum password age** to 3650 days (10 yrs) for Cisco Unified Operating System Administrator accounts.

Parameters	Description
disable	Turns off password expiry maximum age settings for Cisco Unified Operating System administrator accounts. The set password expiry disable command results in Cisco Unified Operating System Administrator accounts never expiring.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set password expiry maximum-age disable
Operation Successful.
```

set password expiry minimum-age

This command enables or disables the password expiry minimum age settings for Cisco Unified Operating System Administrator accounts.

set password expiry minimum-age {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Turns on password expiry minimum age settings for Cisco Unified Operating System administrator accounts. The set password expiry enable command sets the value of minimum password age to one day (24 hrs) for Cisco Unified Operating System Administrator accounts.

Parameters	Description
disable	Turns off password expiry minimum age settings for Cisco Unified Operating System administrator accounts. This means that passwords for administrator accounts can be changed at any interval.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set password expiry minimum-age disable
Operation Successful.
```

set password expiry user maximum-age

This command disables the maximum age password expiry for a particular Cisco Unified Operating System Administrator account.

set password expiry user maximum-age {**enable| disable**}*userid*

Syntax Description

Parameters	Description
enable	Turns on the maximum age password expiry settings for a particular Cisco Unified Operating System administrator account. The set password expiry user enable command sets the value of maximum password age to 3650 days (10 yrs) for the Cisco Unified Operating System Administrator account.
disable	Turns off the maximum age password expiry settings for a particular Cisco Unified Operating System administrator account. The set password expiry user disable command results in that Cisco Unified Operating System Administrator account never expiring.
userid	Specifies a particular Cisco Unified Operating System Administrator account.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set password expiry user maximum-age enable
Operation Successful.
```

set password expiry user minimum-age

This command enables or disables the maximum age password expiry for a particular Cisco Unified Operating System Administrator account.

set password expiry user minimum-age {**enable**| **disable**} *userid*

Syntax Description

Parameters	Description
enable	Turns on the minimum age password expiry settings for a particular Cisco Unified Operating System administrator account.
disable	Turns off the minimum age password expiry settings for a particular Cisco Unified Operating System administrator account.
userid	Specifies a particular Cisco Unified Operating System Administrator account.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:set password expiry user minimum-age disable
Operation Successful.
```

set password history

This command modifies the number of passwords that get maintained in the history for OS admin accounts. New passwords matching remembered passwords get rejected.

set password history *number*

Syntax Description

Parameters	Description
number	Specifies the mandatory number of passwords to maintain in history.

Command Modes

Administrator (admin:)

Usage Guidelines

- To disable, enter 0.
- Default specifies 10.
- Upper limit specifies 20.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password inactivity

set password inactivity {**enable**| **disable**| **period**} *days*

Syntax Description

Parameters	Description
enable	Enable the password inactivity globally and update individual OS users according to the setting.
disable	Disable the password inactivity globally and update individual OS users according to the setting.
period	Configure the password inactivity period globally and update individual OS users according to the setting.

Parameters	Description
days	Specify the number of days of inactivity after a password has expired before the account gets disabled. Valid range is 1 - 99.

Command Modes

Administrator (admin:)

Usage Guidelines

- To enable password inactivity globally, execute the set password inactivity enable command. This command enables the password inactivity globally and updates individual OS users according to the setting.
- To disable password inactivity globally, execute the set password inactivity disable command. This command disables the password inactivity globally and updates individual OS users according to the setting.

  A user whose account is disabled must contact the system administrator to use the system again.
- To configure the password inactivity period execute the set password inactivity period days command. This command configures the password inactivity globally and updates individual OS users according to the setting.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password user admin

This command allows you to change the administrator password.

set password user admin

Command Modes

Administrator (admin:)

Usage Guidelines

The systems prompts you for the old and new passwords.

Note

- You can change the password only for the administrator account that you logged in to.
- The password must contain at least six characters, and the system checks it for strength.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set password user security

This command allows you to change the security password.

set password user security

Command Modes Administrator (admin:)

Usage Guidelines The systems prompts you for the old and new passwords.

Note The password must contain at least six characters, and the system checks it for strength.

Note Before running the `set user password security` command on the IM and Presence Service servers (nodes), you must first go to the **Cisco Unified CM IM and Presence Administration** > **System** > **CUCM Publisher** window for each IM and Presence Service server (node), and enter the new security password.

Servers in a cluster use the security password to authenticate communication between servers. You must reset the cluster after you change the security password.

1. Change the security password on the publisher server (first node) and then reboot the server (node).
2. Change the security password on all the subsequent servers and nodes to the same password that you created on the first node and restart subsequent nodes, including application servers, to propagate the password change.

Note Cisco recommends that you restart each server after the password is changed on that server.

Note Failure to reboot the servers (nodes) causes system service problems and problems with the Cisco Unified Communications Manager Administration windows on the subscriber servers.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set replwatcher monitor

This command enables or disables replication monitoring by the Cisco Replication Watcher service. The Cisco Replication Watcher service blocks other services from starting until database replication is setup and functioning normally.

set replwatcher monitor {**enable| disable**}

Syntax Description

Parameters	Description
enable	Turns on the replication monitoring service.
disable	Turns off the replication monitoring service.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: IM and Presence service on Cisco Unified Communications Manager only.

set samltrace level

This command sets the SAML trace level.

set samltrace level *trace level*

Syntax Description

Parameters	Description
trace level	Specifies the trace level. The available options are: • DEBUG • INFO • WARNING • ERROR • FATAL **Note** The default trace level is INFO.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection.

set session maxlimit

This command sets the upper limit for concurrent sessions.

set session maxlimit [*value*]

Syntax Description

Parameters	Description
maxlimit	This command sets the upper limit for concurrent sessions. Acceptable values are 1 - 100. If no upper limit is entered, the default value of 10 is assigned to sshd_config param.
value	Acceptable values are 1 - 100.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set smtp

This command sets the SMTP server hostname.

set smtp *hostname*

Syntax Description

Parameters	Description
hostname	Represents the SMTP server name.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set timezone

This command lets you change the system timezone.

set timezone *zone*

Syntax Description

Parameters	Description
zone	Specifies the new timezone. Enter the appropriate string or zone index id to uniquely identify the timezone. To view a list of valid timezones, use the CLI command: **show timezone list**.

Command Modes Administrator (admin:)

Usage Guidelines Enter characters to uniquely identify the new timezone. Be aware that the timezone name is case-sensitive.

Caution You must restart the system after you change the timezone.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example Setting Timezone to Pacific Time

```
admin:set timezone Pac
```

set trace*

set trace disable

This command unsets trace activity for the specified task.

set trace disable *tname*

Syntax Description

Parameters	Description
disable	Unsets the task trace settings.
tname	Represents the task for which you want to disable traces.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set trace enable

This command sets trace activity for the specified task.

set trace enable {**Arbitrary**| **Detailed**| **Entry_exit**| **Error**| **Significant**| **Special**| **State_Transition**} *tname*

Syntax Description

Parameters	Description
Arbitrary	Sets task trace settings to the arbitrary level.
Detailed	Sets task trace settings to the detailed level.
Entry_exit	Sets task trace settings to the entry_exit level.
Error	Sets task trace settings to the error level.
Significant	Sets task trace settings to the significant level.
Special	Sets task trace settings to the special level.
State_transition	Sets task trace settings to the state transition level.
tname	Represents the task for which you want to disable traces.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set web-security

This command sets the web security certificate information for the operating system.

set web-security *orgunit orgname locality state* [*country*] [*alternatehostname*]

Syntax Description

Parameters	Description
orgunit	Represents the organizational unit (OU) name. You can use this command to enter multiple organizational units. To enter more than one organizational unit name, separate the entries with a comma. For entries that already contain a comma, enter a backslash before the comma that is included as part of the entry. To enter multiple values for organizational unit, enclose them in quotation marks, as shown in the example for this command.
orgname	Represents the organizational name.

Parameters	Description
locality	Represents the organization location.
state	Represents the organization state.
country	(Optional) Represents the organization country.
alternatehostname	(Optional) Specifies an alternate name for the host when you generate a web-server (Tomcat) certificate. When you set an alternate-host-name parameter with the set web-security command, self-signed certificates for tomcat contain the Subject Alternate Name extension with the alternate-host-name specified. CSR for Cisco Unified Communications Manager contains Subject Alternate Name Extension with the alternate host name included in the CSR.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

This example shows the web-security command with multiple organizational unit names using comma separators. The certificate has three OU fields:

- OU=accounting
- OU=personnel, CA
- OU=personnel, MA

```
admin:set web-security “accounting,personnel\,CA,personnel\,MA” Cisco Milpitas
CA
```

set webapp session timeout

This command sets the time, in minutes, that can elapse before a web application, such as Cisco Unified Communications Manager Administration, times out and logs off the user.

For the new webapp session timeout setting to become effective, you must restart the Cisco Tomcat service. Until you restart the Cisco Tomcat service, the **show webapp session timeout** command reflects the new values, but system continues to use and reflect the old values. This command prompts you to restart the service.

Caution Restarting the Cisco Tomcat service ends all active sessions and can affect system performance. Cisco recommends that you only execute this command during off-peak traffic hours.

Note This setting gets preserved through a software upgrade and does not get reset to the default value.

set webapp session timeout *minutes*

Syntax Description

Parameters	Description
minutes	Specifies the time, in minutes, that can elapse before a web application times out and logs off the user. • Value range: 5-99999 minutes • Default value: 30 minutes

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

set workingdir

This command sets the working directory for active, inactive, and installation logs.

set workingdir {**activelog**| **inactivelog**| **tftp**} *directory*

Syntax Description

Parameters	Description
activelog	Sets the working directory for active logs. Choose a valid sub-directory of activelog.
inactivelog	Set the working directory for inactive logs. Choose a valid sub-directory of inactivelog.
tftp	Sets the working directory for TFTP files.

Parameters	Description
directory	Represents the current working directory.

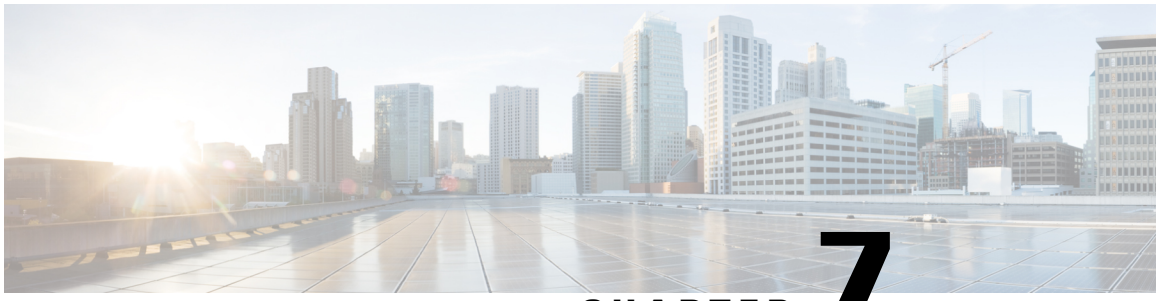
Command Modes Administrator (admin:)

Requirements

Command privilege level: 0 for logs, 1 for TFTP

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.



CHAPTER 7

Show Commands

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show account

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

show account

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

show accountlocking

This command displays the current account locking settings.

show accountlocking

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:show accountlocking
Account Lockout is disabled
```

show cert*

show cert list

This command displays certificate trust lists.

show cert list {**own**| **trust**}

Syntax Description

Parameters	Description
own	Specifies owned certificates.
trust	Specifies trusted certificates.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:cert list own
```

show cert own

This command displays certificate contents.

show cert own *filename*

Syntax Description

Parameters	Description
own	Specifies owned certificates.
filename	Represents the name of the certificate file.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

show cert trust

This command displays certificate contents.

show cert trust *filename*

Syntax Description

Parameters	Description
trust	Specifies trusted certificates.
filename	Represents the name of the certificate file.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

show cli*

show cli pagination

This command displays the status of automatic CLI automatic pagination.

show cli pagination

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

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

show cli session timeout

This command displays the CLI session timeout value, which is the amount of time, in minutes, that can elapse before a CLI session times out and disconnects.

show cli session timeout

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

show csr*

show csr list

This command displays Certificate Sign Request contents and certificate trust lists.

show csr list {**own** | **trust**}

Syntax Description

Parameters	Description
own	Shows a list of owned Certificate Sign Requests.
trust	Shows a list of trusted Certificate Sign Requests.

Command Modes

Administrator (admin:)

Usage Guidelines

The certificate name can be obtained by using the **show cert list own** command.

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: show csr list own
tomcat/tomcat.csr
Vipr-QuetzalCoatl/Vipr-QuetzalCoatl.csr
.....
.....
.....
```

show csr own

This command displays Certificate Sign Request (CSR) contents and certificate trust lists.

show csr own *name*

Syntax Description

Parameters	Description
name	The name of the CSR file.

Command Modes Administrator (admin:)

Usage Guidelines The certificate name can be obtained by using the **show cert list own** command.

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin:show csr own tomcat/tomcat.csr

[
[
-----BEGIN CERTIFICATE SIGN REQUEST-----
MIIDrDCCAxUCBENeUewwDQYJKoZIhvcNAQEEBQAwggEbMTQwMgYDVQQGEytVbmFibGUgdG8gZmlu
ZCBDb3VudHJ5IGluIHBsYXRmb3JtIGRhdGFiYXNlMTIwMAYDVQQIEylVbmFibGUgdG8gZmluZCBT
dGF0ZSBpbiBwbGF0Zm9ybSBkYXRhYmFzZTE1MDMGA1UEBxMsVW5hYmxlIHRvIGZpbmQgTG9jYXRp
b24gaW4gcGxhdGZvcm0gZGF0YWJhc2UxMDAuBgNVBAoTJ1VuYWJsZSB0byBmaW5kIE9yZyBpbiBw
bGF0Zm9ybSBkYXRhYmFzZTExMC8GA1UECxMoVW5hYmxlIHRvIGZpbmQgVW5pdCBpbiBwbGF0Zm9y
bSBkYXRhYmFzZTETMBEGA1UEAxMKYmxkci1jY20zNjAeFw0wNTEwMjUxNTQwMjhaFw0xMDEwMjQx
NTQwMjhaMIIBGzE0MDIGA1UEBhMrVW5hYmxlIHRvIGZpbmQgQ291bnRyeSBpbiBwbGF0Zm9ybSBk
YXRhYmFzZTEyMDAGA1UECBMpVW5hYmxlIHRvIGZpbmQgU3RhdGUgaW4gcGxhdGZvcm0gZGF0YWJh
c2UxNTAzBgNVBAcTLFVuYWJsZSB0byBmaW5kIExvY2F0aW9uIGluIHBsYXRmb3JtIGRhdGFiYXNl
MTAwLgYDVQQKEydVbmFibGUgdG8gZmluZCBPcmcgaW4gcGxhdGZvcm0gZGF0YWJhc2UxMTAvBgNV
BAsTKFVuYWJsZSB0byBmaW5kIFVuaXQgaW4gcGxhdGZvcm0gZGF0YWJhc2UxEzARBgNVBAMTCmJs
ZHItY2NtMzYwgZ8wDQYJKoZIhvcNAQEBBQADgY0AMIGJAoGBAMoZ4eLmk1Q3uEFwmb4iU5nrMbhm
J7bexSnC3PuDGncxT3Au4zpGgMaQRL+mk+dAt8gDZfFKz8uUkUoibcUhvqk4h3FoTEM+6qgFWVMk
gSNUU+1i9MST4m1aq5hCP87GljtPbnCXEsFXaKH+gxBq5eBvmmzmO1D/otXrsfsnmSt1AgMBAAEw
DQYJKoZIhvcNAQEEBQADgYEAKwhDyOoUDiZvlAOJVTNF3VuUqv4nSJlGafB6WFldnh+3yqBWwfGn
```

show ctl

This command displays the contents of the Certificate Trust List (CTL) file on the server. It notifies you if the CTL is invalid.

show ctl

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show cuc*

show cuc cluster status

This command shows the status of the servers in the cluster.

show cuc cluster status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc config groups

This command displays a list of the valid configuration group names.

show cuc config groups [page]

Syntax Description

Parameters	Description
page	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines

To see a list of the settings for a specified group, run the command **show cuc config settings**.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc config groups
```

```
CiscoLicensing
ConfigurationAssistant
Conversations
Directory
Groupware
LogMgr
Messaging
    :
    :
Telephony
```

show cuc config settings

This command displays the settings and values for a specified group of Connection configuration settings.

show cuc config settings *group_name* **page**

Syntax Description

Parameters	Description
group_name	Specifies the name of the configuration group whose settings you want to display. To see a list of valid group names, run the command **show cuc config groups**. Be aware that group names are case sensitive.
page*page*	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Configuration Settings for the Group SA

```
admin: show cuc config settings SA

SA Setting           Value
----------           -----

SessionTimeout       20
Use24HrClockFormat   0
```

show cuc dbconsistency

This command checks the tables and indexes of a specified database for inconsistencies.

show cuc dbconsistency [*database_name*]

Syntax Description

Parameters	Description
database_name	Specifies the name of the database that you want to check. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb**-Contains the directory and configuration data. • **unitydyndb**-Contains dynamic data that Connection uses internally. • **unitymbxdb**1 to **unitymbxdb5**-Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always unitymbxdb1. • **unityrptdb**-Contains audit log data.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, the system saves detailed information in a log file and displays a summary of the results, including the location of the log file. Use the **file** commands to display the contents of the file.

Caution Checking database consistency makes a significant impact on system performance. Run this command only when little or no system activity is occurring. After the operation begins, you can not cancel it. Do not restart the server during the operation; the operation must complete successfully before Connection will function properly.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example of a Consistency Check of the unityrptdb Database

```
admin: show cuc dbconsistency unityrptdb

Checking consistency of unityrptdb tables. Please wait.

Consistency check of unityrptdb tables successful.

Validation of unityrptdb indexes successful.

Output is in file: cuc/cli/consistency_unityrptdb_070404-123636.txt
```

show cuc dbcontents

This command exports the data from a specified database to a CSV file.

show cuc dbcontents [*database_name*]

Syntax Description

Parameters	Description
database_name	Specifies the name of the database whose data you want to export to a CSV file. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb**-Contains the directory and configuration data. • **unitydyndb**-Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5**-Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always unitymbxdb1. • **unityrptdb**-Contains audit log data.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, the location of the CSV file displays. Use the **file** commands to display the contents of the file.

Caution Saving the contents of a database to a CSV file affects system performance. Run this command only when little or no system activity is occurring.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example of Exporting the Data From the unitydirdb Database to a CSV File and Displays the Location of the File

```
admin: show cuc dbcontents unitydirdb

This operation may take a few minutes to complete. Please wait.

Output is in file: cuc/cli/contents_unitydirdb_070404-124027.csv
```

show cuc dbschema

This command exports the SQL statements that are necessary to replicate the schema for a specified database to a file.

show cuc dbschema [*database_name*]

Syntax Description

Parameters	Description
database_name	Speicifies the name of the database whose schema you want to export. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb**-Contains the directory and configuration data. • **unitydyndb**-Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5**-Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always unitymbxdb1. • **unityrptdb**-Contains audit log data.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, the location of the file displays. Use the **file** commands to display the file.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example of Exporting the Schema of the unitydirdb Database to a File and Displays the Location of the File

```
admin: show cuc dbschema unitydirdb

Output is in file: cuc/cli/schema_unitydirdb_061013-115815.sql
```

show cuc dbserver disk

This command displays summary information about informix storage space for all Connection databases on the current server.

show cuc dbserver disk [page] [file]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.
[file]	Saves the output to a file. If you include this option, the summary includes the location of the file. Be aware that **file** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbserver session

This command displays summary information about a specified informix database user session.

show cuc dbserver session *session_id* **[page] [file]**

Syntax Description

Parameters	Description
session_id	Specifies the database user session for which you want to display summary information. To get a list of current sessions, use either the **show cuc dbserver sessions list** command or the **show cuc dbserver user list** command.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.
[file]	Saves the output to a file. If you include this option, the summary includes the location of the file. Be aware that **file** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbserver sessions all

This command displays summary information about all the current Informix database user sessions.

show cuc dbserver sessions all [page] [file]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.
[file]	Saves the output to a file. If you include this option, the summary includes the location of the file. Be aware that **file** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbserver sessions list

This command displays a list of the current Informix database user sessions.

show cuc dbserver sessions list [page]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that page is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines

The names of internal database users generally correspond with the names of Connection components. Run this command before you run the **show cuc dbserver session** command to obtain the required session id. Results are sorted by session id.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbserver user list

This command displays a list of the active Connection internal database users.

show cuc dbserver user list [page]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines

The names of internal database users generally correspond with the names of Connection components. Results get sorted first by database and then by user.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbserver user waiting

This command displays a list of the Connection internal users that are waiting for a resource.

show cuc dbserver user waiting [page]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines The names of the internal database users generally correspond with the names of Connection components.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

show cuc dbtable contents

This command exports the contents of a specified Connection table to a CSV file.

show cuc dbtable contents {*database_name*| *table_name*}

Syntax Description

Parameters	Description
database_name	Specifies the database that contains the table whose contents you want to export to a CSV file. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.
table_name	Specifies the table whose contents you want to export to a CSV file. **Note** For a list of the tables in a specified database, use the **show cuc dbtable list** command. Be aware that table names are case sensitive.

Command Modes Administrator (admin:)

Usage Guidelines After the command completes, the location of the CSV file displays. Use the **file** commands to display the contents of the file.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc dbtable contents unitydirdb tbl_cos

Output is in file: cuc/cli/contents_tbl_cos_1013-113910.csv
```

show cuc dbtable list

This command displays a list of the tables in a specified database.

show cuc dbtable list *database_name* **[page]**

Syntax Description

Parameters	Description
database_name	Specifies the database for which you want a list of tables. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc dbtable list unitydirdb


tbl_accountlogonpolicy
tbl_agency
tbl_agencyextensionrange
tbl_alias
tbl_alternatename
tbl_broadcastmessage
tbl_broadcastmessagerecipient
...
tbl_waveformat
```

show cuc dbtable schema

This command displays a description for a specified table and a list of the columns in the table.

show cuc dbtable schema {*database_name*| *table_name*} **[page]**

Syntax Description

Parameters	Description
database_name	Specifies the database that contains the table show schema you want to display. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.
table_name	Specifies the table whose schema you want to display. **Note** For a list of the tables in a specified database, use the **show cuc dbtable list** command. Be aware that table names are case sensitive.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example of Displaying the Schema for the Table tbl_user in the unitydirdb Database

```
admin: show cuc dbtable schema unitydirdb tbl_cos


A collection of service privileges for subscribers that control access to features and use

of the system into classes. Class of Service objects determine which features a subscriber

is licensed to use, the maximum length of their greetings and messages, what numbers they
are
allowed to dial, and what options are available to the subscriber among other things.


Columns:
displayname
movetodeletefolder
accessunifiedclient
...
accesslivereply
```

show cuc dbview contents

This command saves the results from a specified SQL view in a CSV file.

show cuc dbview contents {*database_name*| *view_name*}

Syntax Description

Parameters	Description
database_name	Specifies the database that contains the view whose results you want to save to a file. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.

Parameters	Description
view_name	Specifies the view whose results you want to save to a file. **Note** For a list of the views in a specified database, use the **show cuc dbview list** command. Be aware that view names are case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, the location of the CSV file displays. Use the file commands to display the contents of the file.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example saves the results from the view vw_cos, in the database unitydirdb, to a CSV file.

```
admin: show cuc dbview contents unitydirdb vw_cos_061013-113910.csv
```

show cuc dbview list

This command displays a list of the views in a specified database.

show cuc dbview list *database_name* **[page]**

Syntax Description

Parameters	Description
database_name	Specifies the database for which you want a list of views. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Example

The following example displays a list of the views in the unitydirdb database.

```
admin: show cuc dbview list unitydirdb


vw_agency
vw_agencyextensionrange
vw_alias
vw_alternatename
vw_broadcastmessage
vw_broadcastmessagerecipient
vw_callaction
...
vw_waveformat
```

show cuc dbview schema

This command displays the schema for a specified view.

show cuc dbview schema {*database_name*| *view_name*} **[page]**

Syntax Description

Parameters	Description
database_name	Specifies the database that contains the view for which you want to display the schema. Be aware that database names are case sensitive. Connection databases include: • **unitydirdb—**Contains the directory and configuration data. • **unitydyndb—**Contains dynamic data that Connection uses internally. • **unitymbxdb1** to **unitymbxdb5—**Contains the data about the current voice messages in the corresponding mailbox store, including pointers to the audio files that are stored in the file system. If only one mailbox store is configured, the name of the mailbox store database is always **unitymbxdb1**. • **unityrptdb—**Contains audit log data.
view_name	Specifies the view for which you want to display the schema. **Note** For a list of the views in a specified database, use the show cuc dbview list command. Be aware that view names are case sensitive.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example displays the schema for the view vw_user in the database unitydirdb.

```
admin: show cuc dbview schema unitydirdb vw_cos


A simple view for tbl_Cos.


Columns:
objectid
accessfaxmail
accesstts
callholdavailable
callscreenavailable
canrecordname
...
requiresecuremessages
```

show cuc jetty ssl status

This command allows you to check the status of SSL (Enabled/Disabled) on the Jetty server for notifications.

show cuc jetty ssl status

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc jetty ssl status

Command completed successfully.
SSL notification is DISABLED
```

show cuc locales

This command displays a list of the locales currently installed.

show cuc locales

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc locales

Installed Locale Package   Locale
-------------------------   ------
uc-locale-en_GB-6.0.0.0-0  en-GB
uc-locale-fr_CA-6.0.0.0-0  fr-CA
```

show cuc sysagent task list

This command displays a list of the Sysagent tasks.

show cuc sysagent task list [page]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes Administrator (admin:)

Usage Guidelines To run a sysagent task, use the run cuc sysagent task command. If the value of the Is Singleton column is Y for a specified task, the task can only be run on the primary server in a multi-server cluster. If this server is standalone, then all tasks run on this server.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc sysagent task list

Task Name                           Is Singleton
------------------------------      ------------
Data.BroadcastMessagePurge               N
Umss.CleanDeletedMessagesTask            Y
Umss.CleanDirectoryStreamFilesTask       Y
Umss.CleanOrphanAttachmentFilesTask      Y
...
Data.UpdateDatabaseStats                 N
```

show cuc sysagent task results

This command displays the times at which the specified task started and completed, with the most recent time listed first.

show cuc sysagent task results *task_name* **[page]**

Syntax Description

Parameters	Description
task_name	Specifies the task for which you want to display information when the task starts and completes. **Note** For a list of task names, run the show cuc sysagent task list command. Be aware that task names are case sensitive.
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Usage Guidelines

To run a Sysagent task, use the **run cuc sysagent task** command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

The following example displays the times at which the Sysagent task Umss.CleanDeletedMessagesTask started and completed.

```
admin: show cuc sysagent task results Umss.CleanDeletedMessagesTask

Time Started             Time Completed
----------------------   --------------------
2006-10-25 17:31:45.689  2006-10-25 17:31:45.785
2006-10-25 17:16:45.702  2006-10-25 17:16:45.742
2006-10-25 17:01:45.690  2006-10-25 17:01:45.730
```

show cuc sysinfo

This command displays a summary of hardware and software system information for the current Connection server, including the version installed on the active and inactive partitions; whether a cluster is configured; QOS settings; hardware specifications; the amount of used and free disk space on the active, inactive, and common partitions; licensing information; and so on.

show cuc sysinfo

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection

Example

```
admin: show cuc sysinfo
Gather Data/Time : Wed Oct 21 09:45:29 PDT 2009
Connection Install Information:

  Host Name : connection1

  Version:
   Active Version : 8.0.0.98000-210

   Inactive Version : 8.0.0.98000-201

  High Availability (this server is) : Pri_Single_Server

   Publisher : connection1.cisco.com - 10.10.10.10
```

```
 Subscriber(s) : None

QOS Settings :
 Call Signaling DSCP : CS3
 Media Signaling DSCP : EF

Hardware :
 HW Platform          : 7825I3
 Processors           : 1
 Type                 : Family: Core 2
 CPU Speed            : 2130
 Memory               : 2048
 Object Id            : 1.3.6.1.4.1.9.1.746
 OS Version           : UCOS 4.0.0.0-31
 ...
```

show cuc tech dbschemaversion

This command displays the schema version information for each database.

show cuc tech dbschemaversion [page]

Syntax Description

Parameters	Description
[page]	Causes the output to display one page at a time. Be aware that **page** is case sensitive.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc tech dbschemaversion


unitydirdb
==========
```

```
Schema Version  Product Version  Date
--------------  ---------------  -----------------
1.2.363         2.1              2007-02-13 19:10:50.0
```

show cuc tech dbserver all

This command runs all the show cuc tech commands in sequence and saves the results in a text file.

show cuc tech dbserver all

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, detailed information gets saved in a text file and the location of the text file displays. Use the file commands to display the contents of the file.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Example

```
admin: show cuc tech dbserver all

Output is in file: cuc/cli/dbserverall_061013-111801.txt
```

show cuc tech dbserver integrity

This command checks the integrity of the Informix database server storage space structure.

show cuc tech dbserver integrity

Command Modes

Administrator (admin:)

Usage Guidelines

After the command completes, detailed information gets saved in a text file, and a summary of the results displays, including the location of the file. Use the file commands to display the contents of the file.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: show cuc tech dbserver integrity
Database system catalog tables were successfully validated.
Database disk extents were successfully validated.
Database reserved pages were successfully validated.
Output is in file: cuc/cli/integrity_061013-95853.txt
```

show cuc tech dbserver log diagnostic

This command checks for the existence of Informix assertion-failure and shared-memory-dump logs.

show cuc tech dbserver log diagnostic

Command Modes Administrator (admin:)

Usage Guidelines If the logs exist, their location displays. Use the file commands to display the contents of the files.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:show cuc tech dbserver log diagnostic
The following Informix logs are available for the UC database server:
core/af.3599c
core/af.36858
```

show cuc tech dbserver log message

This command displays the end of the Informix message log.

show cuc tech dbserver log message [*lines*] [**page**]

Syntax Description

Parameters	Description
lines	Specifies the number of lines that display at the end of the Informix message log. If the lines parameter is not included, the last 20 lines of the log are displayed.
page	(Optional) Causes the output to display one page at a time. Be aware that page is case sensitive.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:show cuc tech dbserver log message
Message Log File: online.ciscounity.log
18:09:01 Fuzzy Checkpoint Completed: duration was 0 seconds, 6 buffers
not flushed.
18:09:01 Checkpoint loguniq 57, logpos 0x208418, timestamp: 0x33b807
18:09:01 Maximum server connections 159
18:14:01 Fuzzy Checkpoint Completed: duration was 0 seconds, 6 buffers
not flushed.
18:14:01 Checkpoint loguniq 57, logpos 0x20a57c, timestamp: 0x33b9fc
```

show cuc tech dbserver status

This command saves a detailed status report of the database server instance to a file.

show cuc tech dbserver status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:show cuc tech dbserver status
Output is in file: cuc/cli/status_061013-95031.txt
```

show cuc trace levels

This command displays a list of all the diagnostic traces and trace levels that are currently enabled.

show cuc trace levels [**page**]

Syntax Description

Parameters	Description
page	(Optional) Causes the output to display one page at a time. Be aware that page is case sensitive.

Command Modes Administrator (admin:)

Usage Guidelines To enable or disable specified traces and trace levels, use the set cuc trace (Cisco Unity Connection only) command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:show cuc trace levels
Trace Name Levels
------------------------ --------------
Arbiter -
AudioStore 0
AxlAccess -
BulkAdministrationTool 0
CCL 10,11
CDE 3,14
CDL 11,13,15,17
::
VirtualQueue -
```

Related Topics

set cuc trace, on page 59

show cuc version

This command displays the Cisco Unity Connection version that is currently installed on the active and inactive partitions.

show cuc version

Command Modes Administrator (admin:)

Usage Guidelines This command always displays the version in the active partition. If the active partition contains an upgrade, the command also shows the version in the inactive partition. The current Engineering Special also displays.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

Example

```
admin:show cuc version
Active version: 7.0.1.10000-323
Inactive version: 7.0.0.39700-277
```

show date

This command displays the date and time on the server.

show date

Command Modes Administrator (admin:)

Example

```
admin: show date
Sat Jul 17 01:28:57 IST 2010
```

show diskusage

This command displays disk usage information about specific directories.

show diskusage activelog {**activelog| common| inactivelog| install| tftp| tmp**} **filename** *filename*{**directory| sort**}

Syntax Description

Parameters	Description
filename *filename*	Saves the output to a specified file. These files are stored in the platform/cli directory. To view saved files, use the file view activelog command.
directory	Displays the directory sizes only.
sort	Sorts the output on the basis of file size. File sizes display in 1024-byte blocks.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show dscp*

show dscp all

This command displays the current DSCP traffic markings on all the ports. It displays the DSCP markings in decimal and hexidecimal. If the value corresponds to a class then it displays the correct class. If the value does not correspond to a class, then it displays N/A.

show dscp all

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

show dscp defaults

This command displays the default factory DSCP settings. These values take effect if the **set dscp defaults** command is executed.

show dscp defaults

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

show dscp marking

This command displays the current DSCP traffic markings for a particular DSCP value.

show dscp marking *value*

Syntax Description

Parameters	Description
value	DSCP value. You can enter the name of a well-known DSCP class, or a numeric value in decimal or hexadecimal format. Precede hexadecimal values with 0x or 0X.

Command Modes

Administrator (admin:)

Usage Guidelines

The valid class names as defined by DSCP are:

- Class Selector: values **CSO**, **CS1**, **CS2**, **CS3**, **CS5**, **CS6 CS7**

  The class selector (CS) values correspond to IP Precedence values and are fully compatible with IP Precedence.

- Expedited Forwarding: value **EF**

  EF PHB is ideally suited for applications such as VoIP that require low bandwidth, guaranteed bandwidth, low delay, and low jitter.

- Best Effort: value **BE**

  Also called default PHB, this value essentially specifies that a packet be marked with 0x00, which gets the traditional best-effort service from the network router.

- Assured Forwarding: values **AF11**, **AF12**, **AF13**, **AF21**, **AF22**, **AF23**, **AF41**, **AF42**, **AF43**

  There are four types of Assured Forwarding classes, each of which has three drop precedence values. These precedence values define the order in which a packet is dropped (if needed) due to network congestion. For example, packets in AF13 class are dropped before packets in the AF12 class.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show dscp status

This command displays the current DSCP traffic markings.

show dscp status {**enabled| disabled**}

Syntax Description

Parameters	Description
enabled	Filters the output to show only DSCP traffic markings that are enabled. If you do not specify a status, this filter is the default option.
disabled	Filters the output to show only DSCP traffic markings that are disabled.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show hardware

This command displays hardware-related information about the platform.

show hardware

Command Modes

Administrator (admin:)

Usage Guidelines

The following information is displayed:

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

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show ipsec*

show ipsec information

This command displays detailed information about the specified ipsec policy.

show ipsec information {*policy_group*| *policy_name*}

Syntax Description

Parameters	Description
policy_group	
policy_name	

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: yes

Applies to: IM and Presence service on Cisco Unified Communications Manager

Example

```
admin:show ipsec information test test1
PolicyGroup             : test
PolicyName              : test1
Type                    : transport
Source Address          : 10.94.171.3
Source Type             : ip
Destination Address     : 10.94.1.2
Destination Type        : ip
Protocol                : tcp
Source Port             : Any
Destination Port        : Any
Remote Port             : Any
Authentication Method   : psk
Destination Certificate : null
PSK                     : cisco
Phase 1 Life Time       : 3600
Encryption Algorithm    : des
Hash Algorithm          : sha1
Phase 1 DH Value        : null
Phase 2 Life Time       : 3600
ESP                     : null_enc
AH                      : hmac_sha1
Phase 2 DH Value        : null
Peer Type               : null
```

```
Status                  : disabled
Source Certificate      : null
```

show ipsec policy_group

This command displays all the ipsec policy group on the node.

show ipsec policy_group

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

show ipsec policy_name

This command displays the list of ipsec policy names that exist in the specified policy group.

show ipsec policy_name *policy_group*

Syntax Description

Parameters	Description
policy_group	Specifies the policy group name.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

show ipsec status

show ipsec status

Command Modes Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: IM and Presence service on Cisco Unified Communications Manager

show itl

This command displays the ITL file contents or prints an error message if the ITL file is invalid.

show itl

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show media streams

This command captures information on current media stream connections.

show media streams [*options*]

Syntax Description

Parameters	Description
options	Enter one of the following options: • **file fname**: Limit (valid characters alphanumeric [a-Z, A-Z, 0-9, (-) ad , (_)]. Default: mediainfo • **count #**: Range 1-1000; Default: 2 • **sleep #**: Range 1-300 seconds; Default 5 • **device** {ALL | ANN | CFB | CRA | MOH | MTP} Default: device ALL • **info**: Displays extra information • **buffers**: Displays buffer usage information. • **trace**: Activates extra trace from media driver to system log. **Note** Ignore any kernel messages that display on the console screen when **show media streams trace** is entered.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

Example

```
admin: show media streams info buffers

Resulting file /platform/log/mediainfo.txt contains:

Time: 2008.03.04 11:01:42
I/F Ver=5, #Apps: Free=  7, Alloc=  4, #Conf: Free=   12, #Streams: Free=  40
Buffer Size =  652, Allocated Buffers=  1, Free Buffers =  5147
Buffer Size = 8192, Allocated Buffers=  0, Free Buffers =   450
App ID=  332, Cfg=CFB, Dead App Timer=86400, Active=Yes, Streams: Available=  92 Active=
4
Conf ID = 16777225, Type = Two No Sum, Streams: Tx =   2, Rx =   2, Active = Yes
Rx Stream: PktCnt= 5979, PID=16777653, PktSz=20ms, Payld=uLaw, IP=10.89.80.178:24652,
MCast=N, Mute=N, UsrMd=N, Actv=Y, QdPkts=2, PktOR=0, DtmfPL=0 DiscTimeSlice= 0 DiscPkts= 0
10:59:42
Buffer Size =  652, Used Buffers =   1
Buffer Size = 8192, Used Buffers =   0
Rx Stream: PktCnt= 6179, PID=16777651, PktSz=20ms, PayId=uLaw, IP=10.89.80.178:24650,
MCast=N, Mute=N, UsrMd=N, Actv=Y, QdPkts=0, PktOR=0, DtmfPL=0 DiscTimeSlice= 0 DiscPkts= 0
10:59:38
Buffer Size =  652, Used Buffers =   0
Buffer Size = 8192, Used Buffers =   0
Tx Stream: PktCnt= 5988, PID=16777653, PktSz=20ms, Payld=uLaw,
IP=10.13.5.189:29450 (24652), MCast=N, Mute=N, UsrMd=N, Actv=Y, DtmfPL=0, DtmfQ=0 10:59:42
Buffer Size =  652, Used Buffers =   0
Buffer Size = 8192, Used Buffers =   0
Tx Stream: PktCnt= 6193, PID=16777651, PktSz=20ms, Payld=uLaw,
IP=10.13.5.182:28516(24650), MCast=N, Mute=N, UsrMd=N, Actv=Y, DtmfPL=0, DtmfQ=0 10:59:42
Buffer Size =  652, Used Buffers =   0
```

```
Buffer Size = 8192, Used Buffers =   0
App ID= 331, Cfg=ANN, Dead App Timer=86400, Active=Yes, Streams: Available=  96 Active=
0
App ID= 330, Cfg=MOH, Dead App Timer=86400, Active=Yes, Streams: Available= 658 Active=
0
App ID= 329, Cfg=MTP, Dead App Timer=86400, Active=Yes, Streams: Available=  96 Active=
0
```

show memory

This command displays information about the onboard memory.

show memory {**count**| **modules**| **size**}

Syntax Description

Parameters	Description
count	Displays the number of memory modules on the system.
modules	Displays detailed information about all the memory modules.
size	Displays the total amount of physical memory.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show myself

This command displays information about the current account.

show myself

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show network*

show network all

This command shows network information for listening and nonlistening sockets.

show network all [detail] [page] [**search** *srchtext*]

Syntax Description

Parameters	Description
detail	Shows additional information.
page	Displays information one page at a time.
search *srchtext*	Searches for *srchtext* in the output.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network cluster

This command lists nodes in the network cluster.

show network cluster

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network dhcp eth0

This command shows DHCP status information.

show network dhcp eth0

Command Modes Administrator (admin:)

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network eth0

This command shows network information for ethernet 0.

show network eth0 [detail] [**search** *srchtxt*]

Syntax Description

Parameters	Description
detail	Shows additional information.
search *srchtxt*	Searches for *srchtxt* in the output.

Command Modes Administrator (admin:)

Usage Guidelines The **eth0** parameter displays Ethernet port 0 settings

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network failover

This command shows Network Fault Tolerance information.

show network failover [detail] [page]

Syntax Description

Parameters	Description
detail	Shows additional information.
page	Shows information one page at a time.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network ip_conntrack

This command shows ip_conntrack usage information.

show network ip_conntrack

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network ipprefs

This command shows the list of ports that have been requested to be opened or translated in the firewall.

show network ipprefs {**all**| **enabled**| **public**}

Syntax Description

Parameters	Description
all	Shows all incoming ports that may be used on the product.
enabled	Shows all incoming ports that are currently opened.
public	Shows all incoming ports that are currently opened for a remote client.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin:show network ipprefs public
Application IPProtocol PortValue HashLimit (max:rate) H-Status ConnLimit C-Status Type
XlatedPort Status  Description
----------- ---------  --------- -------------------- -------- --------- -------- ----
---------- ------  ------------
sshd            tcp        22        1500:25/second    enabled     -     disabled public
 -      enabled sftp and ssh
tomcat          tcp        443       4000:50/second    disabled   300     enabled public
8443    enabled  secure web
tomcat          tcp        80        4000:50/second    disabled   300     enabled public
8080
```

show network ipv6

This command shows IPv6 network routes and network settings.

show network ipv6 {**route**| **settings**}

Syntax Description

Parameters	Description
route	Shows all IPv6 routes.
settings	Shows all IPv6 network settings.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, Cisco Unity Connection

show network max_ip_conntrack

This command shows max_ip_conntrack information.

show network max_ip_conntrack

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network route

This command shows network routing information.

show network route [detail] [**search** *srchtext*]

Syntax Description

Parameters	Description
detail	Shows additional information.
search *srchtext*	Searches for the *srchtext* in the output.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show network status

This command shows active internet connections.

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

Syntax Description

Parameters	Description
detail	Shows additional information.
listen	Shows only listening sockets.
process	Shows the process ID and name of the program to which each socket belongs.
all	Shows both listening and nonlistening sockets.
nodns	Shows numerical addresses without any DNS information.
search *stext*	Searches for the *stext* in the output.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

This example displays active internet connections.

```
admin: show network status
```

show open*

show open files*

show open files all

This command shows all open files on the system.

show open files all

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show open files process

The command shows open files that belong to a specified process.

show open files process *processID*

Syntax Description

Parameters	Description
processID	Specifies a process.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show open files regexp

This command shows open files that match the specified regular expression.

show open files regexp *reg_exp*

Syntax Description

Parameters	Description
reg_exp	Specifies a regular expression.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show open ports*

show open ports all

This command shows all open ports on the system.

show open ports all

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show open ports process

This command displays open ports the belong to a specified process.

show open ports process *processID*

Syntax Description

Parameters	Description
processID	Specifies a process.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show open ports regexp

This command shows open ports that match the specified regular expression.

show open ports regexp *reg_exp*

Syntax Description

Parameters	Description
reg_exp	Specifies a regular expression.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show packages

This command displays the name and version for installed packages.

show packages {**active**| **inactive**} *name* **[page]**

Syntax Description

Parameters	Description
active	Specifies active packages.
inactive	Specifies inactive packages.
name	Specifies the package name. To display all active or inactive packages, use the wildcard character, *.
page	Shows the output one page at a time

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show password*

show password

This command shows information about the configured password.

show password {**age**| **history**| **inactivity**}

Syntax Description

Parameters	Description
age	Shows information about the configured password age parameters
history	Shows the number of passwords that the history maintains for OS administration accounts.
inactivity	Shows 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.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show password change-at-login

This command shows whether a user is forced to change passwords after the user signs in to the system the next time.

show password change-at-login *userid*

Syntax Description

Parameters	Description
userid	Specifies the user account that you want to show.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show password expiry*

show password expiry

This command shows the configured password expiration parameters.

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

Syntax Description

Parameters	Description
maximum-age	Shows the maximum number of days for set password expiry.
minimum-age	Shows the minimum number of days for set password expiry.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show password expiry user

This command shows the configured password expiration parameters for the specified user.

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

Syntax Description

Parameters	Description
maximum-age	Shows the maximum number of days for set password expiry.
minimum-age	Shows the minimum number of days for set password expiry.
userid	Specifies the user account that you want to show.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show password expiry user list

This command shows the password maximum age and password minimum age for each CLI user in the system.

show password expiry user

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf*

show perf counterhelp

This command displays information about the specified perfmon counter.

show perf counterhelp *class-name counter-name*

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.
counter-name	Represents the counter that you want to view.

Command Modes Administrator (admin:)

Usage Guidelines If the class name or counter name contains white spaces, enclose the name in double quotation marks.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf list categories

This command lists the categories in the perfmon system.

show perf list categories

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf list classes

This command lists perfmon classes (objects).

show perf list classes [**cat** *category*] [**detail**]

Syntax Description

Parameters	Description
cat *category*	Displays perfmon classes for the specified category.
detail	Displays detailed information.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf list counters

This command lists perfmon counters for the specified perfmon class.

show perf list counters *class-name* [**detail**]

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.
detail	Displays detailed information.

Command Modes Administrator (admin:)

Usage Guidelines If the class name contains white spaces, enclose the name in double quotation marks.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf list instances

This command lists the perfmon instances for the specified perfmon class.

show perf list instances *class-name* [**detail**]

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.
detail	Displays detailed information.

Command Modes Administrator (admin:)

Usage Guidelines If the class name contains white spaces, enclose the name in double quotation marks.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf query class

This command queries a perfmon class and displays all the instances and counter values of each instance.

show perf query class *class-name* [,*class-name...*]

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.

Command Modes Administrator (admin:)

Usage Guidelines If the class name contains white spaces, enclose the name in double quotation marks.

You can specify a maximum of five classes for each command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf query counter

This command queries the specified counter or counters and displays the counter value of all instances.

show perf query counter *class-name counter-name* [,*counter-name...*]

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.

Parameters	Description
counter-name	Represents the counter that you want to view.

Command Modes Administrator (admin:)

Usage Guidelines If the class name or counter name contains white spaces, enclose the name in double quotation marks.

You can specify a maximum of five counters for each command.

Note The output that this command returns depends on the number of endpoints that is configured in the Route Groups in Cisco Unified Communications Manager.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf query instance

This command queries the specified instance and displays all its counter values.

show perf query instance *class-name instance-name* [,*instance-name...*]

Syntax Description

Parameters	Description
class-name	Represents the class name that contains the counter.
instance-name	Specifies the perfmon instance to view.

Command Modes Administrator (admin:)

Usage Guidelines If the class name contains white spaces, enclose the name in double quotation marks.

You can specify a maximum of five instances for each command.

This command does not apply to singleton perfmon classes.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show perf query path

This command queries a specified perfmon path.

show perf query path *path-spec* [,*path-spec...*]

Syntax Description

Parameters	Description
path-spec	Specifies a perfmon path.

Command Modes

Administrator (admin:)

Usage Guidelines

For an instance-based perfmon class, you must specify *path-spec* as follows: *class-name(instance-name)\counter-name*

For a noninstance-based perfmon class (a singleton), you must specify *path-spec* as follows: *class-name\counter-name*

You can specify a maximum of five paths for each command.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: show perf query path "Cisco Phones(phone-0)\CallsAttempted","Cisco Unified
Communications Manager\T1ChannelsActive"
```

show process*

show process list

This command displays a list of all the processes and critical information about each process and visually indicates the child-parent relationships between the processes.

show process list [**file** *filename*] [**detail**]

Syntax Description

Parameters	Description
file	Outputs the results to the file that is specified by the filename variable.
filename	Specifies the filename.
detail	Displays detailed output.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process load

This command displays the current load on the system.

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

Syntax Description

Parameters	Description
cont	Repeats the command continuously.
clear	Clears the screen before displaying output.
noidle	Ignores the idle or zombie processes.
num *number*	Displays the number of processes that are specified by number. The default number of processes equals 10. Set *number* to all to display all processes.
thread	Displays threads.

Parameters	Description
cpu	Sorts output by CPU usage. This is the default sorting.
memory	Sorts output by memory usage.
time	Sorts output by time usage.
page	Displays the output in pages.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process name

This command displays the details of processes that share the same name and indicates their parent-child relationship.

show process name *process* [**file** *filename*]

Syntax Description

Parameters	Description
process	Specifies the name of a process.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process open-fd

This command lists the open file descriptors for a comma-separated list of process IDs.

show process open-fd *process-id* [,*process-id2*]

Syntax Description

Parameters	Description
process-id	Specifies the process-id.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process pid

This command shows a specific process number or command name.

show process pid *pid* [**file** *filename*]

Syntax Description

Parameters	Description
pid	Specifies the process ID number of a process.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process search

This command searches for the pattern that the regular expression regexp specifies in the output of the operating system-specific process listing.

show process search *regexp* [**file** *filename*]

Syntax Description

Parameters	Description
regexp	Represents a regular expression.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process user

This command retrieves details of processes that share the user name and displays parent-child relationship.

show process user *username* [**file** *filename*]

Syntax Description

Parameters	Description
username	Specifies the username.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process using-most cpu

This command displays a list of the most CPU-intensive processes.

show process using-most cpu [*number*] [**file** *filename*]

Syntax Description

Parameters	Description
number	Specifies the number of processes to display. The default specifies 5.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show process using-most memory

This command displays a list of the most memory-intensive processes.

show process using-most memory [*number*] [**file** *filename*]

Syntax Description

Parameters	Description
number	Specifies the number of processes to display. The default specifies 5.
file *filename*	Outputs the results to the file that is specified by *filename*.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show registry

This command displays the contents of the registry.

show registry *system component* [*name*] [**page**]

Syntax Description

Parameters	Description
system	Represents the registry system name.
component	Represents the registry component name.
name	Represents the name of the parameter to show.
page	Displays one page at a time.

Command Modes

Administrator (admin:)

Usage Guidelines

If the name is "page," and you want to display the output one page at a time, use the command **show registry** *system component name* **page page**

To show all components in a system, enter the wildcard character * in the command: **show registry** *system* *

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

This example shows the contents of the cm system, dbl/sdi component.

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

show risdb*

show risdb list

This command displays the tables that are supported in the Realtime Information Service (RIS) database.

show risdb list [**file** *filename*]

Syntax Description

Parameters	Description
file *filename*	Outputs the information to a file.

Command Modes

Administrator (admin:)

Usage Guidelines

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

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

This command displays a list of all RIS database tables.

```
admin: show risdb list
```

show risdb query

This command displays the contents of the specified RIS tables.

show risdb query *table1 table2 table3 ...*[**file** *filename*]

Syntax Description

Parameters	Description
table1	Specifies the name of a table.
file *filename*	Outputs the information to a file.

Command Modes

Administrator (admin:)

Usage Guidelines

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

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show samltrace level

This command displays the trace level that is currently configured.

show samltrace level

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection.

show session maxlimit

This command shows the upper limit for concurrent SSH sessions.

show session maxlimit

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show smtp

This command displays the name of the SMTP host.

show snmp

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show stats io

This command displays the IO statistics.

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

Syntax Description

Parameters	Description
kilo	Displays statistics in kilobytes.
detail	Displays detailed statistics on every available device on the system and overrides the **kilo** option.
page	Displays one page at a time.
file *filename*	Outputs the information to a file specified by *filename*

Command Modes Administrator (admin:)

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show status

This command displays basic platform status.

show status

Command Modes Administrator (admin:)

Usage Guidelines This command displays the following basic platform status:

- hostname
- date
- timezone
- locale
- product version
- platform version
- CPU usage
- memory and disk usage

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech*

show tech activesql

This command displays the active queries to the database taken at one minute intervals as far back as the logs allow.

show tech activesql

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech all

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

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

Syntax Description

Parameters	Description
page	Displays one page at a time.
file *filename*	Outputs the information to a file.

Command Modes Administrator (admin:)

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

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech ccm_service

This command displays information about all services that can run on the system.

show tech ccm_service

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech database

This command shows information about the database.

show tech database {**dump**| **sessions**}

Syntax Description

Parameters	Description
dump	Creates a CSV file of the entire database.
sessions	Redirects the session and SQL information of the present session IDs to a file.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dberrcode

This command displays information (from the database log files) about the error code that is specified.

show tech dberrcode *errorcode*

Syntax Description

Parameters	Description
errorcode	Specifies the error code as a positive integer.

Command Modes Administrator (admin:)

Usage Guidelines If the error code is a negative number, enter it without the minus sign (-).

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dbintegrity

This command displays the database integrity.

show tech dbintegrity

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dbschema

This command displays the database schema in a CSV file.

show tech dbschema [**car**| **cm**]

Syntax Description

Parameters	Description
car	Represents the car database.
cm	Represents the cm database.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dbinuse

This command displays the database in use.

show tech dbinuse [**car**| **cm**]

Syntax Description

Parameters	Description
car	Represents the car database.
cm	Represents the cm database.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dbstateinfo

This command displays the state of the database.

show tech dbstateinfo [**car**| **cm**]

Syntax Description

Parameters	Description
car	Represents the car database.
cm	Represents the cm database.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech devdefaults

This command displays the device defaults table.

show tech devdefaults

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech dumpCSVandXML

This command provides detailed information for customer support in the case of a standard upgrade condition.

show tech dumpCSVandXML

Command Modes Administrator (admin:)

Usage Guidelines You can get this file in the following ways:

1. Use the `file view activelog cm/trace/dbl/xmlcsv.tar` command to view the contents of the file.
2. Use the `file get activelog cm/trace/dbl/xmlcsv.tar` command to download the file.
3. Use RTMT: **Trace and Log Central** > **Collect Files** > **Cisco Database Cli Output** > **Install and upgrade log**.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech gateway

This command displays the gateway table from the database.

show tech gateway

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech locales

This command displays the locale information for devices, device pools, and end users.

show tech locales

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network all

This command displays all network tech information.

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

Syntax Description

Parameters	Description
page	Displays one page at a time.
search *text*	Searches the output for the string that text specifies. Be aware that the search is case insensitive.
file *filename*	Outputs the information to a file.

Command Modes Administrator (admin:)

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

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network hosts

This command displays information about hosts configuration.

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

Syntax Description

Parameters	Description
page	Displays one page at a time.
search *text*	Searches the output for the string that text specifies. Be aware that the search is case insensitive.
file *filename*	Outputs the information to a file.

Command Modes

Administrator (admin:)

Usage Guidelines

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network interfaces

This command displays information about the network interfaces.

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

Syntax Description

Parameters	Description
page	Displays one page at a time.
search *text*	Searches the output for the string that text specifies. Be aware that the search is case insensitive.
file *filename*	Outputs the information to a file.

Command Modes

Administrator (admin:)

Usage Guidelines

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

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network resolv

This command displays information about hostname resolution.

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

Syntax Description

Parameters	Description
page	Displays one page at a time.
search *text*	Searches the output for the string that text specifies. Be aware that the search is case insensitive.
file *filename*	Outputs the information to a file.

Command Modes

Administrator (admin:)

Usage Guidelines

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network routes

This command displays information about network routes.

show tech network routes [**page**] [**search** *text*] [**file** *filename*]

Syntax Description

Parameters	Description
page	Displays one page at a time.

Parameters	Description
search *text*	Searches the output for the string that text specifies. Be aware that the search is case insensitive.
file *filename*	Outputs the information to a file.

Command Modes Administrator (admin:)

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech network sockets

This command displays the list of open sockets.

show tech network sockets{**numeric**}

Syntax Description

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

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech notify

This command displays the database change notify monitor.

show tech notify [*search pattern_to_match*]

Syntax Description

Parameters	Description
search pattern_to_match	Represents the string that needs to be searched in the command output.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech params

This command displays the database parameters.

show tech params {**all | enterprise | service**}

Syntax Description

Parameters	Description
all	Displays all the database parameters.
enterprise	Displays the database enterprise parameters.
service	Displays the database service parameters.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech prefs

This command displays database settings.

show tech prefs

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech procedures

This command displays the CAR or CM procedures that are in use for the database.

show tech procedures {**car | cm**}

Syntax Description

Parameters	Description
car	Specifies the CAR procedures.
cm	Specifies the CM procedures.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech repltimeout

This command displays the replication timeout.

show tech repltimeout

Command Modes Administrator (admin:)

Usage Guidelines When you increase the replication timeout, ensure that as many servers as possible in a large system are included in the first round of replication setup. If you have the maximum number of servers and devices, set the replication timeout to the maximum value. Be aware that this delays the initial set up of replication to give all servers time to get ready for setup.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech routepatterns

This command displays the route patterns that are configured for the system.

show tech routepatterns

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech routeplan

This command displays the route plans that are configured for the system.

show tech routeplan

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech runtime

This command displays CPU usage information at the time the command is run.

show tech runtime {**all**| **cpu**| **disk**| **env**| **memory**} **page file** *filename*

Syntax Description

Parameters	Description
all	Displays all runtime information.
cpu	Displays CPU usage information at the time the command is run.
disk	Displays system disk usage information.
env	Displays environment variables.
memory	Displays memory usage information.
page	Displays one page at a time.
file *filename*	Outputs the information to a specified file. **Note** This option saves the information to platform/cli/<filename>.txt. Ensure that the file name does not contain the "." character.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

show tech sqlhistory

This command prints the history of SQL statements executed.

show tech sqlhistory

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech systables

This command displays the name of all tables in the sysmaster database.

show tech systables

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech system

This command displays all the system information.

show tech system {**all**| **bus**| **hardware**| **host**| **kernel modules**| **software**| **tools**} **page file** *filename*

Syntax Description

Parameters	Description
all	Displays all the system information.
bus	Displays information about the data buses on the server.
hardware	Displays information about the server hardware.
host	Displays information about the server.
kernel modules	Lists the installed kernel modules.
software	Displays information about the installed software versions.
tools	Displays information about the software tools on the server.
page	Displays one page at a time.
file *filename*	Outputs the information to a file. This option saves the information to platform/cli/<filename>.txt. Ensure that the file name does not contain the "." character.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech table

This command displays the contents of the specified database table.

show tech table *table_name* **[page]**

Syntax Description

Parameters	Description
table_name	Represents the name of the table to display.
page	Displays the output one page at a time.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech triggers

This command displays table names and the triggers that are associated with those tables.

show tech triggers

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show tech version

This command displays the version of the installed components.

show tech version [page]

Syntax Description

Parameters	Description
page	Displays one page at a time.

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show timezone

show timezone config

This command displays the current timezone settings.

show timezone config

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show timezone list

This command displays the available timezones.

show timezone list [**page**]

Syntax Description

Parameters	Description
page	Displays the output one page at a time.

Command Modes Administrator (admin:)

Usage Guidelines Although the list of available time zones includes **Factory**, Cisco Unified Communications Manager does not support the **Factory** timezone.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show trace

This command displays trace information for a particular task.

show trace [*task_name*]

Syntax Description

Parameters	Description
task_name	Represents the name of the task for which you want to display the trace information.

Command Modes Administrator (admin:)

Usage Guidelines If you do not enter a parameter, the command returns a list of available tasks.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: show trace cdps
```

show ups status

This command shows the current status of the USB-connected APC smart-UPS device and starts the monitoring service if this service is not already started.

show ups status

Command Modes Administrator (admin:)

Usage Guidelines This command provides full status only for 7835-H2 and 7825-H2 servers.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show version*

show version active

This command displays the software version on the active partition.

show version active

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show version inactive

This command displays the software version on the inactive partition

show version inactive

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show web-security

This command displays the contents of the current web-security certificate.

show web-security

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show webapp session timeout

This command displays the webapp session timeout value, which is the amount of time, in minutes, that can elapse before a web application times out and logs off the user.

show webapp session timeout

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show workingdir

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

show workingdir

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

show logins unsuccessful CLI Command

Use this command to list recent unsuccessful login attempts to the following web applications:

- On Cisco Unified Communications Manager
  - Disaster Recovery System
  - Cisco Unified OS Administration
- On IM and Presence Service
  - IM and Presence Disaster Recovery System
  - Cisco Unified IM and Presence OS Administration

show logins unsuccessful [*number*]

Syntax Description

Parameters	Description
number	Specifies the number of most recent logins to display. The default is 20.

Command Modes

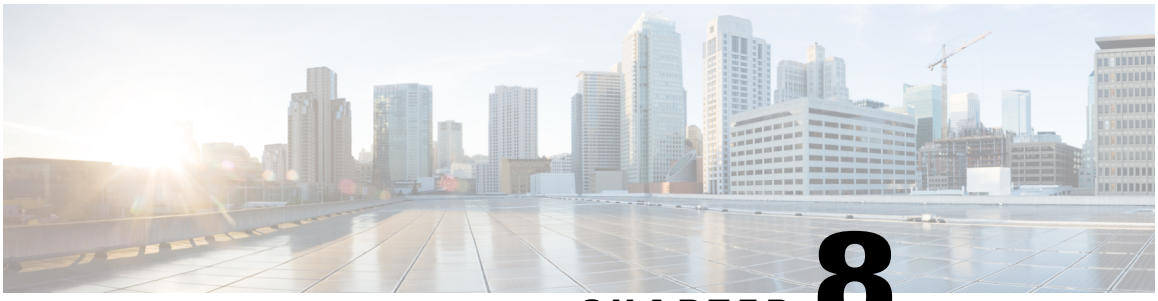
Administrator (admin)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to Cisco Unified Communications Manager and IM and Presence Service



CHAPTER 8

Unset Commands

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unset ipsec*

unset ipsec policy_group

This command disables the ipsec policy on the specified group.

unset ipsec policy_group *policy_group*

Syntax Description

Parameters	Description
policy_group	Specifies the group name.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

unset ipsec policy_name

This command disables the ipsec policy with the specified name.

unset ipsec policy_name *policy_name*

Syntax Description

Parameters	Description
policy_name	Specifies the policy name to disable.

Command Modes Administrator (admin:)

Usage Guidelines Enter `ALL` for *policy_name* to disable all policy names.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

unset network*

unset network dns options

This command unsets DNS options.

unset network dns options [**timeout**] [**attempts**] [**rotate**]

Syntax Description

Parameters	Description
timeout	Sets the wait time before the system considers a DNS query as failed to the default.
attempts	Sets the number of DNS attempts to make before the system fails to the default.
rotate	Sets the method for selecting a nameserver to the default. This affects how loads are distributed across nameservers.

Command Modes Administrator (admin:)

Usage Guidelines You are asked to confirm that you want to execute this command.

Caution If you continue, the system loses network connectivity temporarily.

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

unset network domain

This command unsets the domain name and restarts the server.

unset network domain

Command Modes Administrator (admin:)

Usage Guidelines You are asked to confirm that you want to execute this command.

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: unset network domain
cmdSetIp.domain.name.change.warning
Continue (y/n)?
trying to restart system...
Warning: Restart could take up to 5 minutes...
Shutting down Service Manager. Please wait...
```

unset network ipv6 static_address

This command unsets the IPV6 static address.

unset network ipv6 static_address [*reboot*]

Syntax Description

Parameters	Description
reboot	Reboots the server after applying the change.

Command Modes Administrator (admin:)

Requirements

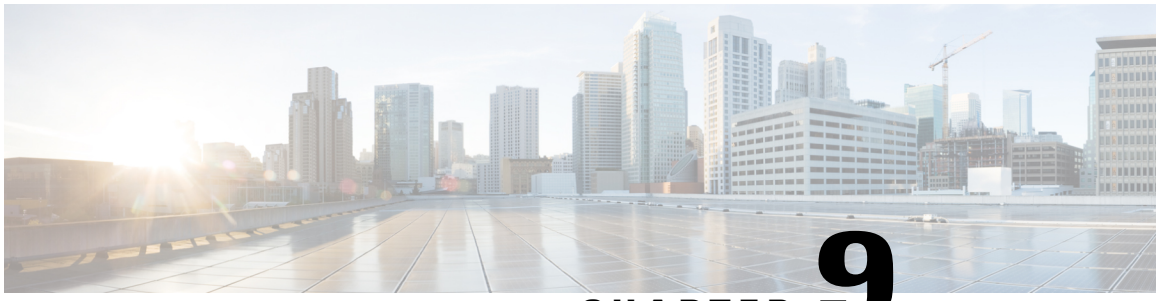
Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: 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.
```



CHAPTER 9

Utils Commands

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utils auditd

This command starts, stops, and provides the status of the system auditing service.

utils auditd {**enable**| **disable**| **status**}

Syntax Description

Parameters	Description
enable	Enables the collection of audit logs. When enabled, the system monitors and records user actions as well as Linux events such as the creation and removal of users, as well as the editing and deleting of files .
disable	Disables the collection of audit logs.
status	Displays the status of audit log collection. Cisco recommends that you retrieve the audit log by using the Real-Time Monitoring Tool, but you can also retrieve it by using the CLI.

Command Modes

Administrator (admin:)

Usage Guidelines

After the service has been enabled, it monitors and logs activity on the system. Be aware that the system auditing service logs a lot of information. Care must be taken not to overfill the disk.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils core*

utils core analyze

This command generates a backtrace for a core file, a thread list, and the current value of all CPU registers.

utils core {**active**| **inactive**} **analyze** [*core_filename*]

Syntax Description

Parameters	Description
active	Specifies an active version
inactive	Specifies an inactive version
core_filename	Specifies the name of the core file from which to generate the stack trace.

Command Modes Administrator (admin:)

Usage Guidelines This command creates a file of the same name as the core file, with a .txt extension, in the same directory as the core file. After you execute this command on a core file created by cimserver, an unexpected message displays. This message is a known limitation of the command.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils core list

This command displays all active or inactive core files.

utils core {**active**| **inactive**} **list**

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils capf*

utils capf cert import

utils capf cert import

Use this command to upload signed phone certificates to your system.

Usage Guidelines

You can choose to import your signed certificates through either FTP or TFTP.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager

utils capf csr

utils capf csr {**dump**| **count**| **delete**}

This command helps you manage third-party CA signed certificates on your system.

Syntax Description

Parameters	Description
count	View the number of certificates and CSRs available on your system.
delete	Remove all certificates and CSRs on your system.
dump	After all CSRs are signed by the CA, download them to your local server with this parameter.

Usage Guidelines

For information about how to use this command set, see the "Generate and Import Third Party CA-Signed LSCs" procedure in the *Cisco Unified Communications Manager Security Guide* at http://www.cisco.com/c/

en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html.

Requirements

Command privilege level: 0 for the count parameter, 1 for delete and dump parameters.

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager

utils create report

This command creates reports about the server in the platform/log directory.

utils create report {**hardware**| **platform**| **security**}

Syntax Description

Parameters	Description
hardware	Creates a system report that contains disk array, remote console, diagnostic, and environmental data.
platform	Collects the platform configuration files into a TAR file.
security	Collects the diagnostic reports and creates a TAR file that you can download for troubleshooting purposes. You can retrieve this file with the **file get** command.

Command Modes

Administrator (admin:)

Usage Guidelines

You are prompted to continue after you enter the command.

After you create a report, use the command **file get activelog platform/log**/*filename* command, to get the report. where *filename* specifies the report filename that displays after the command completes.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils ctl

utils ctl {**set-cluster mixed-mode**| **set-cluster non-secure-mode**| **update CTLFile**}

This command changes the cluster security mode or updates the CTL file in each of the nodes.

Syntax Description

Parameters	Description
set-cluster mixed-mode	Updates the CTL file and sets the cluster to mixed mode (db secure mode is set to 1). If the cluster is already in mixed mode, this command shows that Unified Communications Manager is in mixed mode.
set-cluster non-secure-mode	Updates the CTL file and set the cluster to non-secure mode. If the cluster is already in mixed mode, this command shows that Unified Communications Manager is in non-secure mode.
update CTLFile	Updates the CTL file in each of the nodes of the cluster.

Command Modes

Administrator (admin:)

Usage Guidelines

The CLI must be executed on the publisher. On all other nodes, this CLI command is disabled.

Note After you regenerate the CTL file, you must restart CallManager and TFTP services across the cluster.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager.

utils cuc*

utils cuc activate CUSRSV

This command converts the standalone Cisco Unity Connection server to Cisco Unity Connection SRSV server.

utils cuc activate CUSRSV

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc cluster activate

This command activates this server in a Cisco Unity Connection cluster.

utils cuc cluster activate

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

utils cuc cluster deactivate

This command deactivates this server in a Cisco Unity Connection cluster.

utils cuc cluster deactivate

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

utils cuc cluster makeprimary

This command forces the specified server to take the primary server status in a Cisco Unity Connection cluster.

utils cuc cluster makeprimary

Syntax Description

Parameters	Description
server	Specifies the name of the server to take the primary server status in a Cisco Unity Connection cluster.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

utils cuc cluster overwritedb

This command overwrites the data on the server with the data on the other server in a Cisco Unity Connection cluster.

utils cuc cluster overwritedb

Command Modes

Administrator (admin:)

Usage Guidelines

This command overwrites the database on the server on which you run this command with the database from the other server in the Connection cluster. Replication restarts after the database is overwritten. This method is used when you restore one server from a backup and must copy the restored data to the other server.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

utils cuc cluster renegotiate

This command creates a cluster relationship with the publisher server in a Connection cluster after the server was replaced or the Connection was reinstalled on the publisher server. This command overwrites all data on the publisher server with data from the subscriber server and initializes replication between the servers.

utils cuc cluster renegotiate

Command Modes

Administrator (admin:)

Usage Guidelines Run this command on the subscriber server in a Connection cluster to set up a trust with a publisher server that has been replaced or on which Connection has been reinstalled.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

utils cuc create report

This command collects data that is helpful to technical support staff for troubleshooting the system. Data collected includes version information, cluster status, service information, database information, trace files, log files, disk information, memory information, and restart information.

utils cuc create report

Command Modes Administrator (admin:)

Usage Guidelines After the command completes, detailed information gets saved in a .zip file, and the location of the zip file displays. Use the **file get** command to move the file to a computer on which you can uncompress the file and view the contents.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only

Example

```
admin: utils cuc create report
Getting unity connection version. Please wait...Done
Getting cluster status. Please wait...Done
Getting service information. Please wait...Done
Getting installed locales. Please wait...Done
Getting database schema version. Please wait...Done
Getting database integrity. Please wait...Done
Getting database diagnostic log. Please wait...Done
Getting database message log. Please wait...Done
Getting trace files. Please wait...Done
Getting log files. Please wait...Done
Getting platform status. Please wait...Done
Compressing 75 files. Please wait...Done
Output is in file: cuc/cli/systeminfo_080318-140843.zip
To free disk space, delete the file after copying it to another computer
```

utils cuc jetty ssl disable

This command allows you to set the status of SSL (Disabled) on the Jetty Server for notifications.

utils cuc jetty ssl disable

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: utils cuc jetty ssl disable

After successful execution of this command restart of Jetty server is required, which will
 result in loss of current event subscriptions. Are you sure?
Enter (yes/no)? yes

Command completed successfully.
Please restart Connection Jetty Service.
In case of cluster, run this command on the other node also.
```

utils cuc jetty ssl enable

This command allows you to set the status of SSL (Enabled) on the Jetty Server for notifications.

utils cuc jetty ssl enable

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin: utils cuc jetty ssl enable

After successful execution of this command restart of Jetty server is required, which will
 result in loss of current event subscriptions. Are you sure?
Enter (yes/no)? yes

Command completed successfully.
Please restart Connection Jetty Service.
In case of cluster, run this command on the other node also.
```

utils cuc networking clear_replication

This command stops all Digital Networking replication activities on the server.

utils cuc networking clear_replication

Command Modes

Administrator (admin:)

Usage Guidelines

This command stops the Connection Digital Networking Replication Agent and Connection SMTP service, deletes the drop, queue, and pickup replication folders, clears the status of in-progress directory pushes to or pulls from this server, and restarts the Connection Digital Networking Replication Agent and Connection SMTP service. Depending on the size of the replication folders, this operation may take several minutes.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc networking dscp

This command causes Connection either to start or to stop including a DSCP value of 18 in packets sent between the Connection servers in a cluster, so a router configured to prioritize packets based on their DSCP value can prioritize Connection data and voice messages.

utils cuc networking dscp {**on**| **off**}

Syntax Description

Parameters	Description
on	Causes Connection to start including a DSCP value of 18 packets sent over the network.
off	Causes to stop including a DSCP value of 18 in packets sent over the network. 18 is the default value.

Command Modes

Administrator (admin:)

Usage Guidelines

This command makes the DSCP value available in the packets being passed between the Connection servers in a cluster. For the information to be used, you must configure the router. The command lets you control whether a DSCP value is included in outgoing packets, but you can not change the value.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only

utils cuc reset password

This command resets the password for a specified user account. If Connection locked the account because of too many failed sign-in attempts, this command also unlocks the account.

utils cuc reset password

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only

Example

```
admin: utils cuc reset password jdoe
Enter password:
Re-enter password:
jdoe
07/29/2008 12:41:14.704 : Update SUCCESSED
```

utils cuc set PinExpiry_PromptTime “Authentication Rule Name”

This Command enables the Cisco Unity Connection telephone user interface (touchtone conversation) PIN feature and allows you to update the time interval during when the conditional expiry warning prompt will be played.

Requirements

If the value is set to:

- 0: disabled
- 1: enabled
    - Enter the time interval

For more information on utilscuc set PinExpiry_PromptTime "Authentication Rule Name" CLI command, see the Cisco Unity Connection telephone user interface (touchtone conversation) PIN section in Release Notes for Cisco Unity Connection 10.0(1).

utils dbreplication*

utils dbreplication clusterreset

This command resets replication on an entire cluster.

utils dbreplication clusterreset

Command Modes Administrator (admin:)

Usage Guidelin

Note Before you run this command, run the command **utils dbreplication stop** first on all subscribers servers and then on the publisher server.

You can use this command to debug database replication. However, you should only use it if you have already tried **utils dbreplication reset all**, and it failed to restart replication on the cluster. This command tears down and rebuilds replication for the entire cluster. After you use this command, you must restart each subscriber server. After all subscriber servers have been restarted, you must go to the publisher server and issue the CLI command **utils dbreplication reset all**.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication dropadmindb

This command drops the Informix syscdr database on any server in the cluster.

utils dbreplication dropadmindb

Command Modes Administrator (admin:)

Usage Guidelines You should run this command only if database replication reset or cluster reset fails and replication cannot be restarted.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication forcedatasyncsub

This command forces a subscriber server to have its data restored from data on the publisher server.

utils dbreplication forcedatasyncsub *nodename* **[offloadpub]** [*timeoutvalue*]

Syntax Description

Parameters	Description
nodename	Specifies a particular subscriber server to have its data restored from data on the publisher server. Enter all to restore data on all subscriber servers.
offloadpub	Minimizes the usage of the publisher server during the forcedatasyncsub process. **Note** Adding this option increases the time taken for forcedatasyncsub to finish
timeoutvalue	Specifies the recovery timeout value for each node in minutes (should be greater than the default timeout). Default: 40 minutes.

Command Modes

Administrator (admin:)

Usage Guidelines

Use this command only after you have run the **utils dbreplication repair** command several times, but the utils dbreplication status command still shows non-dynamic tables that are not in sync

Note Do not run this command if only dynamic tables are out of sync; dynamic tables can be out of sync during normal system operation.

You can only run this command from the publisher server. Enter **all** to force sync on all subscriber servers in the cluster. If only one subscriber server is out of sync, use the *nodename* parameter.

Note This command erases all existing data on the subscriber server and replaces it with the database from the publisher server. This erasure makes it impossible to determine the root cause for the subscriber server tables going out of sync.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication quickaudit

This command runs a quick database check on selected content on dynamic tables.

utils dbreplication quickaudit {*nodename*| **all**}

Syntax Description

Parameters	Description
nodename	Specifies the node on which the quick audit should be run.
all	Causes the audit to be run on all nodes

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication rebuild

After you change the hostname of a Unified Communications Manager publisher or subscriber node, you must run this command to set up database replication across the cluster. This command will run the following commands on the specified nodes:

- **utils dbreplication stop**
- **utils dbreplication dropadmindb** or **dropadmindbforce**
- **utils dbreplication reset**

utils dbreplication rebuild {[*nodename*]| **all**}

Syntax Description

Parameters	Description
nodename	Specifies the node or nodes on which database replication will be rebuilt.
all	Specifies that database replication will be rebuilt on all nodes in the cluster.

Command Modes Administrator (admin:)

Usage Guidelin

Caution This command can affect performance of other nodes in your cluster. We recommend that you run this command during a system maintenance window.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence Service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication repair

This command repairs database replication.

utils dbreplication repair {*nodename*| **all**}

Syntax Description

Parameters	Description
nodename	Specifies a particular subscriber server for data repair.
all	Causes data repair to take place on all subscriber servers.

Command Modes

Administrator (admin:)

Usage Guidelines

If the command **utils dbreplication status** shows that servers are connected but one or more tables have data that is out of sync, the **utils dbreplication repair** repairs the data on the subscriber servers so that the data is in sync with the data on the publisher server.

Specify **all** to repair all nodes in the cluster, or if only one subscriber server is out of sync, specify the *nodename* parameter.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication repairreplicate

This command repairs mismatched data between cluster nodes and changes the node data to match the publisher data.

utils dbreplication repairreplicate *replicatename* [*nodename*| **all**]

Syntax Description

Parameters	Description
replicatename	Specifies the replicate to repair.
nodename	Specifies the node on which to repair replication.
all	Specifies to fix replication on all nodes.

Command Modes Administrator (admin:)

Usage Guidelines The parameter *nodename* may not specify the publisher; any subscriber node name is acceptable.

Note This command can be executed on the publisher.

Note This command does not repair replication setup

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication repairtable

This command repairs mismatched data between cluster nodes and changes the node to match the publisher data.

utils dbreplication repairtable *tablename* [*nodename*| **all**]

Syntax Description

Parameters	Description
tablename	Specifies the table to repair
nodename	Specifies the node on which to repair replication.
all	Specifies to fix replication on all nodes.

Command Modes Administrator (admin:)

Usage Guidelin

Note This command does not repair replication setup.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication reset

This command resets and restarts database replication. You can use this command to rebuild replication when the system has not set up replication properly.

utils dbreplication reset {*nodename*| **all**}

Syntax Description

Parameters	Description
nodename	Specifies a particular subscriber server to on which to have replication rebuilt.
all	Specifies that all subscriber servers in the cluster have replication rebuilt.

Command Modes Administrator (admin:)

Usage Guidelines This command is the best option to use when servers show an RTMT state of 4. If only one subscriber server shows an RTMT state of 4, you may reset that server by specifying the *hostname* parameter. To reset the entire cluster, use the **all** parameter.

Tip Before you run this command, first run the command **utils dbreplication stop** on all subscriber servers that are reset and then on the publisher server.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication runtimestate

This command monitors progress of the database replication process and provides replication state in the cluster.

utils dbreplication runtimestate *nodename*

Syntax Description

Parameters	Description
nodename	Specifies the node to monitor.

Command Modes

Administrator (admin:)

Usage Guidelines

If you provide a node name, the system provides the replication state from the context of the selected node.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication setprocess

This command improves replication performance of clusters that have nodes separated by WANs with delay (Clustering over WAN configuration).

utils dbreplication setprocess [*process*]

Syntax Description

Parameters	Description
process	The new database replication . Ensure that the value is between 1 and 40. Default value: 1

Command Modes

Administrator (admin:)

Usage Guidelin

Caution Setting the PROCESS option to near maximum consumes more system resources.

Changes made to this setting after an upgrade but before the switch-over to the new version will need to be manually re-applied.

Requirements

Allowed during upgrade: No

utils dbreplication setrepltimeout

This command sets the timeout for database replication on large clusters.

utils dbreplication setrepltimeout *timeout*

Syntax Description

Parameters	Description
timeout	The new database replication timeout, in seconds. Ensure that the value is between 300 and 3600. Default value: 300 (5 minutes)

Command Modes Administrator (admin:)

Usage Guidelines After the first subscriber server requests replication with the publisher server, the system sets this timer. After the timer expires, the first subscriber server, plus all other subscriber servers that requested replication within that time period, begin data replication with the publisher server in a batch. If you have several subscriber servers, batch replication is more efficient than individual server replication. For large clusters, you can use the command to increase the default timeout value, so that more subscriber servers are included in the batch.

Tip Cisco recommends that you restore this value back to the default of 300 (5 minutes) after you finish upgrading the entire cluster, and the subscriber servers have successfully set up replication.

Note After you upgrade the publisher server and restart it on the upgraded partition, you should set this timer value before you switch the first subscriber server to the new release. After the first subscriber server requests replication, the publisher server sets the replication timer based on the new value.

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication status

This command shows the status of database replication and indicates whether the servers in the cluster are connected and the data is in sync.

utils dbreplication status {**all**| **node**| **replicate**}

Syntax Description

Parameters	Description
all	Specifies to show the status of all servers.
node	Specifies the node for which to show status.
replicate	Specifies the replicate for which to show status.

Command Modes

Administrator (admin:)

Usage Guidelin

Note You should run this command only on the first node (publisher server) of a cluster.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils dbreplication stop

This command stops the automatic setup of database replication. Run this command on subscriber and publisher servers before executing the CLI command **utils dbreplication reset** or **utils dbreblication clusterreset**. You can run this command on the subscriber servers simultaneously, before you run it on the publisher server.

utils dbreplication stop {*nodename*| **all**}

Syntax Description

Parameters	Description
nodename	Specifies the name of the node on which to stop the automatic setup of database replication.
all	Stops database replication on all nodes.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils diagnose

This command enables you to diagnose and attempt to automatically fix system problems.

utils diagnose {**fix**| **list**| **module**| **test**| **version**} *[module_name]*

Syntax Description

Parameters	Description
fix	Runs all diagnostic commands and attempts to fix problems.
list	Lists all available diagnostic commands.
module	Runs a single diagnostic command or group of commands and attempts to fix problems
test	Runs all diagnostic commands but does not attempt to fix problems.
version	Displays the diagnostic framework version.
module_name	Specifies the name of a diagnostics module.

Command Modes

Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery*

utils disaster_recovery backup network

Displays information about the backup files that are stored on a remote server.

utils disaster_recovery backup network [*featurelist*][*path*][*servername*][*username*]

Syntax Description

Parameters	Description
[*featurelist*]	Specifies a list of features to back up, separated by commas.
[*path*]	Represents the location of the backup files on the remote server.
[*servername*]	Represents the IP address or hostname of the server where you stored the backup files.
[*username*]	Represents the username that is needed to log in to the remote server.

Command Modes

Administrator (admin:)

Usage Guidelines

The system prompts you to enter the password for the account on the remote server.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery cancel_backup

This command cancels the ongoing backup.

utils disaster_recovery cancel_backup [*confirm*]

Command Modes

Administrator (admin:)

Usage Guidelines

After you enter the command, you must confirm that you want to cancel the backup. Enter **Y** to cancel the backup or any other key to continue the backup.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery cancel_backup yes
Cancelling backup...
Backup cancelled successfully.
```

utils disaster_recovery device add network

This command adds the backup network device.

utils disaster_recovery device add network *devicename path server_namei/ip_address username* [*Number_of_backups*]

Syntax Description

Parameters	Description
devicename	Specifies the name of the backup device to be added (mandatory).
path	Specifies the path to retrieve the backup device (mandatory).
server_name/ip_address	Specifies the hostname or IP address of the server where the backup file is stored (mandatory).
username	Specifies the userid required to connect to the remote machine (mandatory).
[*Number_of_backups*]	Specifies the number of backups to store on the Network Directory (default 2). This parameter is optional.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery device add network networkDevice /root 10.77.31.116 root 3
```

utils disaster_recovery device delete

This command deletes the specified device.

utils disaster_recovery device delete *device_name*| *

Syntax Description

Parameters	Description
device_name	Name of the device to be deleted.
*	Deletes all existing devices except for the ones associated to a schedule.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery device list

Displays the device name, device type, and device path for all the backup devices.

utils disaster_recovery device list

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery history

This command displays the history of previous backups and restores.

utils disaster_recovery history [*operation*]

Syntax Description

Parameters	Description
operation	Specifies backup or restore.

Command Modes

Administrator (admin:)

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery history backup
Tar Filename: Backup Device: Completed On: Result: Backup Type: Features Backed Up:
2009-10-30-14-53-32.tar TAPE Fri Oct 30 14:55:31 CDT 2009 ERROR MANUAL
2009-12-10-10-30-17.tar TAPE Thu Dec 10 10:35:22 CST 2009 SUCCESS MANUAL CDR_CAR,CCM
```

utils disaster_recovery restore network

This command restores a remote server. You must restore the Cisco Unified Communications Manager publisher node before you restore subscriber nodes in the same cluster. If you are restoring IM and Presence Service nodes, you must restore the database publisher node before you restore subscriber nodes in the same cluster.

utils disaster_recovery restore network *restore_server tarfilename devicename*

Syntax Description

Parameters	Description
restore_server	Specifies the hostname of the remote server that you want to restore.
tarfilename	Specifies the name of the file to restore.
devicename	Specifies the name of the device on which to restore files.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery schedule add

This command adds the configured schedules.

utils disaster_recovery schedule add *schedulename devicename featurelist datetime frequency*

Syntax Description

Parameters	Description
schedulename	Represents the name of the scheduler (mandatory).
devicename	Represents the name of the device for which scheduling is done (mandatory).
featurelist	Represents the comma-separated feature list to back up (mandatory).
datetime	Represents the date when the scheduler is set (mandatory). Format specified (yyyy/mm/dd-hh:mm) 24-hr clock.
frequency	Represents the frequency at which the schedule is set to take a backup. Examples: once, daily, weekly and monthly.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery schedule

This command enables or disables the specified schedule.

utils disaster_recovery schedule {**enable| disable**} [*schedulename*]

Syntax Description

Parameters	Description
enable	Enables the specified schedule.

Parameters	Description
disable	Disables the specified schedule.
schedulename	Represents the name of the scheduler.

Command Modes Administrator (admin:)

Requirements

Command privilege level:1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery schedule enable schedule1
Schedule enabled successfully.
```

utils disaster_recovery schedule list

Displays the schedules that are configured.

utils disaster_recovery schedule list

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery schedule list
schedule name device name Schedule Status
----------------------------------------
schedule1      device 1     enabled
schedule2      device 2     disabled
```

utils disaster_recovery show_registration

This command displays the registered features and components on the specified server.

utils disaster_recovery show_registration *hostname*

Syntax Description

Parameters	Description
hostname	Specifies the server for which you want to display registration information.

Command Modes Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils disaster_recovery status

This command displays the status of the current backup or restore job.

utils disaster_recovery status *operation*

Syntax Description

Parameters	Description
operation	Specifies the name of the ongoing operation: backup or restore.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils fior*

utils fior

This command allows you to monitor the I/O on the server. The File I/O Reporting service provides a kernel-base daemon for collecting file I/O per process.

utils fior

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils fior list

This command displays a list of the I/O events for all processes.

utils fior list

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils fior top

This command displays a list of I/O statistics for I/O bound processes at the time that you run this command.

utils fior top

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils fips

Caution FIPS mode is only supported on releases that have been through FIPS compliance. Be warned that FIPS mode should be disabled before you upgrade to a non-FIPS compliance version of Cisco Unified Communications Manager.

For information about which releases are FIPS compliant and to view their certifications, see the *FIPS 140* document at http://www.cisco.com/web/strategy/government/security_certification/net_business_benefit_seccert_fips140.html.

This command enables, disables, or displays the status of FIPS 140-2 mode. FIPS 140-2 mode is disabled by default; only an administrator can enable FIPS.

utils fips {**enable**| **disable**| **status**}

Syntax Description

Parameters	Description
enable	Activates FIPS 140-2 mode.
disable	Deactivates FIPS 140-2 mode.
status	Displays the status of FIPS 140-2 mode.

Command Modes

Administrator (admin:)

Usage Guidelines

Before enabling FIPS mode, we recommend that you perform a system backup. If FIPS checks fail at start-up, the system halts and requires a recovery CD to be restored.

Consider the following information before you enable FIPS 140-2 mode:

- When you switch from non-FIPS to FIPS mode, the MD5 and DES protocols will not be functional.
- After FIPS mode is enabled on a server, please wait until the server reboots and the phones re-register successfully before enabling FIPS on the next server.
- In FIPS mode, the IM and Presence service uses Red Hat Openswan (FIPS validated) in place of Racoon (non-FIPS validated). If the security policies in Racoon contain functions that are not FIPS approved, the CLI command asks you to redefine the security policies with FIPS approved functions and abort.

Note Certificates and SSH key are regenerated automatically, in accordance with FIPS requirements.

Consider the following information before you disable FIPS 140-2 mode: In multiple server clusters, each server must be disabled separately; FIPS mode is not disabled cluster-wide but on a per server basis.

Consider the following information after you enable FIPS 140-2 mode: If you have a single server cluster and chose to apply "Prepare Cluster for Rolback to pre 8.0" enterprise parameter before enabling FIPS mode, disable this parameter after making sure that all the phones registered successfully with the server.

Consider the following information before you enable or disable FIPS 140-2 mode for IM and Presence Service: After you enable or disable FIPS 140-2 mode for IM and Presence Service, the Tomcat certificate is regenerated and the node reboots. The Intercluster Sync Agent syncs the new Tomcat certificate across the cluster; this can take up to 30 minutes. Until the new Tomcat certificate is synced across the cluster, an IM and Presence Servicee subscriber node cannot access information from the IM and Presence Service database publisher node. For example, a user who is logged into the Cisco Unified Serviceability GUI on a subscriber node will not be able to view services on theIM and Presence Service database publisher node. Users will see the following error message until the sync is complete: `Connection to server cannot be established (certificate exception)`

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence Service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils firewall*

utils firewall ipv4 debug

This command turns IPv4 firewall debugging on or off. If you do not enter a time parameter, this command turns on debugging for 5 minutes.

utils firewall ipv4 debug {**off**| [*time*]}

Syntax Description

Parameters	Description
off	Turns off the IPv4 firewall debugging. If you do not enter the time parameter, this command disables the firewall for 5 minutes.

Parameters	Description
time	(Optional) Sets the duration for which the firewall debugging is to be enabled in the following formats: • Minutes: 0–1440m • Hours: 0–23h • Hours and minutes: 0–23h 0–60m

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils firewall ipv4

This commands enables and disables IPv4 firewall.

utils firewall ipv4 {**enable**| **disable**| *[time]*}

Syntax Description

Parameters	Description
enable	Turns on the IPv4 firewall.
disable	Turns off the IPv4 firewall. If you do not enter the time parameter, this command disables the firewall for 5 minutes.
time	(Optional) Sets the duration for which the firewall is to be disabled in the following formats: • Minutes: 0–1440m • Hours: 0–23h • Hours and minutes: 0–23h 0–60m

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils firewall ipv4 list

This commands displays the current configuration of the IPv4 firewall.

utils firewall ipv4 list

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils firewall ipv4 status

This command displays the current status of the IPv4 firewall.

utils firewall ipv4 status

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils firewall ipv6 debug

This command turns IPv6 firewall debugging on or off. If you do not enter a time parameter, this command turns on debugging for 5 minutes.

utils ipv6 firewall debug {**off**| [*time*]}

Syntax Description

Parameters	Description
off	Turns off the IPv6 firewall debugging. If you do not enter the time parameter, this command disables the firewall for 5 minutes.
time	(Optional) Sets the duration for which the firewall debugging is to be enabled in the following formats: • Minutes: 0–1440m • Hours: 0–23h • Hours and minutes: 0–23h 0–60m

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils firewall ipv6

This commands enables and disables IPv6 firewall.

utils firewall ipv6 {**enable| disable**| *[time]*}

Syntax Description

Parameters	Description
enable	Turns on the IPv6 firewall.
disable	Turns off the IPv6 firewall. If you do not enter the time parameter, this command disables the firewall for 5 minutes.
time	(Optional) Sets the duration for which the firewall is to be disabled in the following formats: • Minutes: 0–1440m • Hours: 0–23h • Hours and minutes: 0–23h 0–60m

Command Modes Administrator (admin:)

Usage Guidelines You can use this command to enable or disable firewall tables. If you are testing the Unified Communications Manager for compliance with the USGv6 Profile, you must disable the IPv6 firewall tables for a duration of 23 hours before you begin the test.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils firewall ipv6 list

This commands displays the current configuration of the IPv6 firewall.

utils firewall ipv6 list

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils firewall ipv6 status

This command displays the current status of the IPv6 firewall.

utils firewall ipv6 status

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils ha*

utils ha failover

This command initiates a manual failover for a specified node, where the Cisco Server Recovery Manager stops the critical services on the failed node and moves all users to the backup node.

For IM and Presence nodes, the backup node must be another IM and Presence server. Two servers must be assigned to the same presence redundancy group before you specify the backup server. The back-up server you specify is the other server that is assigned to the presence redundancy group.

utils ha failover {**node name**}

Syntax Description

Parameters	Description
node name	Specifies the node on which to perform the manual failover.

Command Modes

Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

Failover Example

```
admin: ha failover shorty-cups
Initiate Manual Failover for Node > shorty-cups
Request SUCCESSFUL.
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Taking Over Reason: On Admin Request
Node 2 Name : shorty-cups State: Failover Reason: On Admin Request
```

utils ha fallback

This command initiates a manual fallback for a specified node, where the Cisco Server Recovery Manager restarts the critical services on the active node and moves users back to the active node.

utils ha fallback *node name*

Syntax Description

Parameters	Description
node name	Specifies the node on which to perform a manual fallback.

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

Fallback Example

```
admin: ha fallback shorty-cups
Initiate Manual fallback for Node >shorty-cups<
Request SUCCESSFUL.
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Falling Back Reason: On Admin Request
Node 2 Name : shorty-cups State: Taking Back Reason: On Admin Request
```

utils ha recover

This command initiates a manual recovery of the presence redundancy group (when nodes are in a Failed state), where IM and Presence restarts the Cisco Server Recovery Manager service in that presence redundancy group.

utils ha recover *presence redundancy group name*

Syntax Description

Parameters	Description
presence redundancy group name	Specifies the presence redundancy group on which to monitor HA status. If no presence redundancy group name is provided, all cluster information is provided.

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

Recover Example

```
admin: ha recover Defaultcluster
Stopping services... Stopped
Starting services... Started
admin:
```

utils ha status

This command displays the HA status for a specified presence redundancy group.

utils ha status *presence redundancy group name*

Syntax Description

Parameters	Description
presence redundancy group name	Specifies the presence redundancy group for which to monitor HA status. If no presence redundancy group name is provided, all cluster information is displayed.

Command Modes

Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

Status Example with HA Not Enabled

```
admin: ha status
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Unknown Reason: High Availability Not Enabled
Node 2 Name : shorty-cups State: Unknown Reason: High Availability Not Enabled
```

Status Example with HA Enabled

```
admin: ha status
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Normal
Node 2 Name : shorty-cups State: Normal
```

Status Example with a Critical Service Down

```
admin: ha status
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Failed Over with Critical Services not Running Reason:
Critical Service Down
Node 2 Name : shorty-cups State: Running in Backup Mode Reason: Critical Service Down
```

Status Example Failed

```
admin: ha status
Subcluster Name: DefaultCluster
Node 1 Name : kal-cup1 State: Failed Reason: Critical Service Down
Node 2 Name : shorty-cups State: Failed Reason: Critical Service Down
```

utils ils*

utils ils showpeerinfo

This command returns the peer info vector for either a single cluster in an ILS network, or for all the clusters in an ILS network.

utils ils showpeerinfo *clustername*

Syntax Description

Parameters	Description
clustername	Specifies the fully qualified domain name of the publisher node for a Cisco Unified Communications Manager cluster in an ILS network.

Command Modes

Administrator (admin:)

Usage Guidelines

The peer info vector contains information about a cluster in an ILS network. The available information includes clustername, cluster ID and IP addresses for the cluster nodes. If you want information about a specific cluster in an ILS network, enter the *clustername* parameter. If you want information on all the clusters in the network, leave the *clustername* parameter empty

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager

utils import config

This command takes data from the platformConfig.xml file on the virtual floppy drive and modifies the system to match the configuration file. The system reboots after the command successfully completes.

utils import config

Command Modes

Administrator (admin:)

Usage Guidelines

This command can be executed on any VMware deployment.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Execute utils import config in Vmware Deployment

Procedure

utils iostat

This command displays the iostat output for the given number of iterations and intervals.

utils iostat {**interval| iterations| filename**}

Syntax Description

Parameters	Description
interval	Sets the seconds between two iostat readings. You must set this value if you are using the iteration parameter
iterations	Sets the number of iostat iterations. You must set this value if you are using the interval parameter.
filename	Redirects the output to a file.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils iothrottle

This command allows you to manage and monitor IO throttling on the server.

utils iothrottle {**enable| disable| status**}

Syntax Description

Parameters	Description
Enable	Enables I/0 throttling enhancements which lowers the impact of upgrades on an active system.

Parameters	Description
Disable	Disables I/0 throttling enhancements.
Status	Displays the status of I/0 throttling enhancements.

Command Modes Administrator (admin:)

Usage Guidelines Disabling I/0 throttling enhancements can adversely affect the system during upgrades.

utils itl reset

This command is used when endpoints are unable to validate their configuration files.

utils itl reset {**localkey**| **remotekey**}

Syntax Description

localkey	Generates a new ITL file by taking the existing ITL file on the publisher. The command replaces the signature of that ITL file and signs the new ITL file with the ITL recovery key.
remotekey	Generates a new ITL file after importing the PKCS 12 bag that contains the recovery certificate key pair from the remote location. It then signs the newly generated ITL file with the recovery private key. **remotekey** has the following parameters: • IP address or hostname • User ID • ITLRecovery.p12

Command Modes Administrator (admin:)

Usage Guidelin

Note You must run this command on the Unified Communications Manager publisher node.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager

Example

```
admin:utils itl reset

Name is None

Generating the reset ITL file.....

The reset ITL file was generated successfully

Locating active Tftp servers in the cluster.....

Following is the list of Active tftp servers in the cluster

====================

se032c-94-42

=====================

Number of Active TFTP servers in the cluster : 1

Transferring new reset ITL file to the TFTP server nodes in the cluster.........

Successfully transferred reset ITL to node se032c-94-42
```

utils ldap config

This command configures the system LDAP authentication.

utils ldap config {*fqdn*| *ipaddr*}

Syntax Description

Parameters	Description
fqdn	Configures the system to use an FQDN for LDAP authentication.
ipaddr	Configures the system to use an IP address for LDAP authentication

Command Modes

Administrator (admin:)

Usage Guidelines

- **utils ldap config fqdn—**This command is preferred for LDAP authentication, however, you can only use this command if DNS is configured on the system; if the system is not configured to use DNS, use **utils ldap config ipaddr**.
- **utils ldap config ipaddr—**This command is not preferred and should only be used if the system is not, or can not be, configured to use DNS; if the system is configured to use DNS, use **utils ldap config fqdn**.

Requirements

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

utils network*

utils network arp delete

This command deletes an entry in the Address Resolution Protocol table.

utils network arp delete *host*

Syntax Description

Parameters	Description
host	(Optional) Represents the host name or IP address of the host to delete from the table.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Delete Example

```
admin:utils network arp delete myhost
```

utils network arp set

This command sets an entry in the Address Resolution Protocol table.

utils network arp set {*host*} {*addr*}

Syntax Description

Parameters	Description
host	Represents the host name or IP address of the host to add to the table.
addr	Represents the hardware address (MAC) of the host to be added in the format: XX:XX:XX:XX:XX:XX

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Set Example

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

utils network arp list

This command lists the contents of the Address Resolution Protocol table.

utils network arp list host *hostname* [*options*]

Syntax Description

Parameters	Description
host	
hostname	
options	(Optional) page, numeric • Page: Pauses to display the output one page at a time. • Numeric: Shows hosts as dotted IP addresses.

Command Modes Administrator (admin:)

Usage Guidelines In the Flags column, C=cached, M=permanent, P=published.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

List example

```
admin:admin: utils network arp listAddress 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
```

utils network capture

This command captures IP packets on the specified Ethernet interface.

utils network capture eth0 [*page*] [*numeric*] [**file**| *fname*] [**count**| *num*] [**size**| *bytes*] [**src**| *addr*] [**dest**| *addr*] [**port**| *num*]

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
page	(Optional) Displays the output one page at a time. When you use the page or file options, the complete capture of all requested packets must occur before the command completes.
numeric	(Optional) Displays hosts as dotted IP addresses.
file *fname*	(Optional) Outputs the information to a file. The file option saves the information to `platform/cli/fname.cap`. The filename cannot contain the "." character.
count*num*	(Optional) Sets a count of the number of packets to capture. For screen output, the maximum count equals 1000, and, for file output, the maximum count equals 10,000.
size*bytes*	(Optional) Sets the number of bytes of the packet to capture. For screen output, the maximum number of bytes equals 128, for file output, the maximum of bytes can be any number or ALL.
src *addr*	(Optional) Specifies the source address of the packet as a host name or IPV4 address.
dest*addr*	(Optional) Specifies the destination address of the packet as a host name or IPV4 address.
port*num*	(Optional) Specifies the port number of the packet, either source or destination.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils network connectivity

This command verifies the node network connection to the first node in the cluster. Be aware that this connection is only valid on a subsequent node.

utils network connectivity [**reset**] [*hostname/ip address*]

Syntax Description

Parameters	Description
connectivity	This command verifies the node network connection to the first node in the cluster.
reset	(Optional) Clears previous return codes.
hostname/ip address	(Optional) Hostname or ip address of cluster node.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils network host

This command resolves a host name to an address or an address to a host name.

utils network host *name* [**server**| *serv*] **[page] [detail] [srv]**

Syntax Description

Parameters	Description
name	Represents the host name or IP address that you want to resolve.
serv	(Optional) Specifies an alternate domain name server.

Parameters	Description
[page]	(Optional) Displays the output one screen at a time.
[detail]	(Optional) Displays a detailed listing.
[srv]	(Optional) Displays DNS SRV records.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils network ipv6 host

This command does an IPv6 host lookup (or IPv6 address lookup) for the specified host name or IPv6 address.

utils network ipv6 host {*host_name*| *ipv6_address*}

Syntax Description

Parameters	Description
host_name	Specifies the name of the server.
ipv6_address	Specifies the IPv6 address of the server.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils network ipv6 traceroute

This command to traces an IPv6 address or hostname.

utils network ipv6 traceroute [*ipv6-address*| *hostname*]

Syntax Description

Parameters	Description
ipv6-address	Specifies IPv6 address that you want to trace.
hostname	Specifies the host name that you want to trace.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils network ipv6 ping

This command allows you to ping an IPv6 address or hostname.

utils network ipv6 ping *destination* [*count*]

Syntax Description

Parameters	Description
destination	Specifies a valid IPv6 address or host name that you want to ping.
[*count*]	Specifies the number of times to ping the external server. The default count equals 4.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection.

utils network ping

This command allows you to ping another server.

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

Syntax Description

Parameters	Description
destination	Represents the ip address or host name of the server that you want to ping.
[*count*]	Specifies the number of times to ping the external server. The default count is 4.
[*size*]	Specifies the size of ping packets in bytes. The default value is 56.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils network traceroute

This command traces IP packets that are sent to a remote destination.

utils network traceroute [*destination*]

Syntax Description

Parameters	Description
destination	Represents the hostname or IP address of the server to which you want to send a trace.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

utils nscd

This command allows you to manage the network service cache daemon (NSCD).

utils nscd {**restart**| **status**}

Syntax Description

Parameters	Description
restart	Restarts the NSCD.
status	Displays the status of the NSCD.

Command Modes Administrator (admin:)

Requirements

Applies to: IM and Presence service on Cisco Unified Communications Manager

utils ntp*

utils ntp server add

The command adds a maximum of five specified NTP servers.

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

Syntax Description

Parameters	Description
s1...	Specifies the NTP servers.
norestart	Causes the NTP service to not restart after you add the servers.

Command Modes Administrator (admin:)

Usage Guidelines If you use **norestart**, an explicit restart of the NTP service is required for the changes to take effect.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager

Example: Attempting to Add Servers with Incorrect Command Line Parameters

```
admin: 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]
```

Example: Attempting to Add a Server Using norestart Without Specifying a Server

```
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]
```

Example: 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: 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.]
```

Example: Adding Server to Self Without norestart

```
admin: utils ntp server add bglr-ccm26
bglr-ccm26 : [This server cannot be added as an NTP server.]
```

Example: Adding Inaccessible Server Without norestart

```
admin: utils ntp server add clock3.cisco.com
clock3.cisco.com : [ Inaccessible NTP server. Not added. ]
```

Example: 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: Adding Servers When Five Are Already Configured

```
admin:utils ntp server add clock3.cisco.com
The maximum permissible limit of 5 NTP servers is already configured.
```

utils ntp server delete

This command deletes NTP servers that are configured.

utils ntp server delete

Command Modes Administrator (admin:)

Usage Guidelines

This command allows you to delete a configured NTP server or all of them. When you choose the server to delete, you are prompted to indicate if you want to restart the NTP service. If you choose no, the NTP service does not get restarted after the server is deleted.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager

Example: 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
```

Example: 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.
```

Example: 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.
```

Example: Deleting All Servers When No Servers Are Configured

```
admin: utils ntp server delete
There are no NTP servers configured to delete.
```

utils ntp config

This command displays the current configuration of the NTP client and server.

Note To avoid potential compatibility, accuracy, and network jitter problems, the external NTP servers that you specify for the primary node should be NTP v4 (version 4). If you are using IPv6 addressing, external NTP servers must be NTP v4.

utils ntp config

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence server on Cisco Unified Communications Manager, Cisco Unity Connection

utils ntp restart

This command restarts the NTP service.

utils ntp restart

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils ntp server list

This command lists all NTP servers.

utils ntp server list

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: IM and Presence server on Cisco Unified Communications Manager

utils ntp start

This command starts the NTP service if it is not already running.

Note You can not stop the NTP service from the command line interface. Use this command when the utils ntp status command returns stopped.

utils ntp start

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence server on Cisco Unified Communications Manager, and Cisco Unity Connection

utils ntp status

This command displays the current status of NTP.

utils ntp status

Command Modes Administrator (admin:)

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: IM and Presence service on Cisco Unified Communications Manager.

utils os*

utils os kerneldump

This command configures kerneldump to provide a kernel crash dumping mechanism. The kernel captures the dump to the local disk, in case of a kernel crash.

Note The netdump commands have been removed from release 8.6(1) and have been replaced with the kerneldump commands.

utils os kerneldump {**enable**| **disable**}

Command Modes

Administrator (admin:)

Usage Guidelines

If a kernel crash occurs, the capture kernel dumps the core on the local disk of the server. The primary kernel reserves 128MB of physical memory that the capture kernel uses to boot. The kerneldump uses the **kexec** command to boot into a capture kernel whenever the kernel crashes.

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

Example

```
admin: utils os kerneldump enable
***************WARNING******************
Enabling kerneldump requires system reboot
Would you like to boot the machine (y/n):y
kerneldump enable operation succeeded
System going for a reboot
```

utils os kerneldump ssh

This command enables, disables, or displays the status of an external SSH server.

utils os kerneldump ssh {**enable**| **disable**| **status**}

Syntax Description

Parameters	Description
enable	Configures an external SSH server as a kerneldump server to kernel dumps.
disable	Removes support of the external SSH server that is configured to collect kernel dumps.

Parameters	Description
status	Indicates whether an external SSH server is configured or not, to collect kernel dumps.

Command Modes Administrator (admin:)

Usage Guidelines If external SSH server has the kerneldump service enabled and a kernel crash occurs, the capture kernel dumps the core on the external server that is configured to collect the dump. Enabling and disabling kerneldump require a system reboot for the changes to come into effect.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

Example

```
admin: utils os kerneldump ssh disable 10.77.31.60
Disabling kerneldump requires system reboot
Would you like to continue (y/n): y
kerneldump disable operation succeeded
System going for a reboot
```

utils os secure

This command is used to specify the level of security provided by selinux.

utils os secure {**enforce| permissive| status**}

Syntax Description

Parameters	Description
enforce	
permissive	
status	

Command Modes Administrator (admin:)

Usage Guidelines Note that selinux does not handle rate limiting. Rate limiting is handled by ipprefs and ip tables.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: IM and Presence service on Cisco Unified Communications Manager

utils remote_account*

utils remote_account create

This command creates a remote account.

utils remote_account create

Command Modes

Administrator (admin:)

Usage Guidelines

A remote account generates a pass phrase that allows Cisco Systems support personnel to get access to the system for the specified life of the account.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils remote_account disable

This command allows you to disable a remote account.

utils remote_account disable

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils remote_account enable

This command allows you to enable a remote account.

utils remote_account enable

Command Modes Administrator (admin:)

Usage Guidelines You can have only one remote account that is enabled at a time.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils remote_account status

This command allows you to check the status of a remote account.

utils remote_account status

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils reset_application_ui_administrator_name

This command resets the application user interface administrator name.

utils reset_application_ui_administrator_name

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence Service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils reset_application_ui_administrator_password

This command resets the application user interface administrator password.

utils reset_application_ui_administrator_password

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence Service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils reset_ui_administrator_name

This command resets the administrator user name you use to sign in to the administration user interface for the installed product.

Note To change the administrator user name for Cisco Unity Connection, use Cisco Unity Connection Administration.

utils reset_ui_administrator_name

Command Modes Administrator (admin:)

Usage Guidelines For IM and Presence, if the user name is reset, you must manually update the user name of the Cisco Ajax XMPP Libraries (AXL) on each intercluster peer (if any) to match it: Select **Cisco Unified Communications Manager IM and Presence Administration** > **Presence** > **Inter-clustering**.

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

utils reset_ui_administrator_password

This command resets the administrator password you use to sign in to the administration user interface for the installed product.

Note To change the password for a Cisco Unity Connection user, use the **utils cuc reset password** command.

utils reset_ui_administrator_password

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager and IM and Presence service on Cisco Unified Communications Manager

utils service*

utils service

This command activates, deactivates, starts, stops, or restarts a service.

utils service {**activate**| **deactivate**| **start**| **stop**| **restart**} *service_name*

Syntax Description

Parameters	Description
service_name	Represents the name of the service you want to affect, for example: • System NTP • System SSH • Service Manager • A Cisco DB • Cisco Database Layer Monitor • Cisco Unified Serviceability This list is not exhaustive. For a full list of services for the node enter the command: **utils service list** **Note** If you want to restart the Cisco Tomcat service for standalone Cisco Prime License Manager, execute the following command or reboot the server: **utils service restart Cisco Prime LM Server**.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence Service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils service list

This command retrieves a list of all services.

utils service list [page]

Syntax Description

Parameters	Description
[page]	Displays the output one page at a time.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: IM and Presence service on Cisco Unified Communications Manager

utils service auto-restart

This command starts or stops a specified service.

utils service auto-restart {**enable**| **disable**| **show**} *service-name*

Syntax Description

Parameters	Description
enable	Starts auto-restart.
disable	Stops auto-restart.
show	Shows the status of a service.

Parameters	Description
service-name	Represents the name of the service that you want to start, stop, or show: • System NTP • System SSH • Service Manager • A Cisco DB • Cisco Tomcat • Cisco Database Layer Monitor • Cisco Unified Serviceability

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils snmp*

utils snmp config 1/2c community-string

This interactive command adds, deletes, lists or updates a community string.

utils snmp config 1/2c community-string {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds a new community string.
delete	Deletes a community string.
list	Lists all community strings.
update	Updates a community string.

Command Modes Administrator (admin:)

Usage Guidelines The system prompts you for the parameters.

The SNMP Master Agent service is restarted for configuration changes to take effect. Do not abort command after execution until restart is complete. If the command is aborted during service restart, verify service status of "SNMP Master Agent" by using `utils service list`. If service is down, start it by using `utils service start SNMP Master Agent`

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp config 1/2c inform

This interactive command adds, deletes, lists or updates inform notification destinations.

utils snmp config 1/2c inform {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds a notification destination.
delete	Deletes a notification destination.
list	Lists all notification destinations.
update	Updates a notification destination.

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp config 1/2c trap

This interactive command affects trap notifications.

utils snmp config 1/2c trap {**add| delete| list| update**}

Syntax Description

Parameters	Description
add	Adds a new v1/2c trap notification destination associated with a configured v1/2c community string.
delete	Deletes the configuration information for an existing v1/2c trap notification destination.
list	Lists the v1/2c trap notifications currently configured.
update	Updates configuration information for an existing v1/2c trap notification destination.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

utils snmp config 3 inform

This interactive command affects the v3 inform notification.

utils snmp config 3 inform {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds a new v3 inform notification destination associated with a configured v3 username.
delete	Deletes the configuration information for an existing v3 inform notification destination.
list	Lists the v3 inform notifications currently configured.
update	Updates configuration information for an existing v3 inform notification destination.

Command Modes

Administrator (admin:)

Usage Guidelines

The system prompts you for the parameters.

The SNMP Master Agent service is restarted for configuration changes to take effect. Do not abort command after execution until restart is complete. If the command is aborted during service restart, verify service status of "SNMP Master Agent" by using `utils service list`. If service is down, start it by using `utils service start SNMP Master Agent`

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp config mib2

This interactive command affects the Mib2 configuration information.

utils snmp config mib2 {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds the Mib2 configuration information.
delete	Deletes the Mib2 configuration information.
list	Lists the Mib2 configuration information.
update	Updates the Mib2 configuration information.

Command Modes

Administrator (admin:)

Usage Guidelines

The system prompts you for the parameters.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp config 3 trap

This interactive command affects trap notifications.

utils snmp config 3 trap {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds a new v3 trap notification destination associated with a configured v3 username.
delete	Deletes the configuration information for an existing v 3 trap notification destination.
list	Lists the v3 trap notifications currently configured.
update	Updates configuration information for an existing v3 trap notification destination.

Command Modes

Administrator (admin:)

Usage Guidelines

The system prompts you for the parameters.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp config 3 user

This interactive command affects v3 user configuration.

utils snmp config 3 user {**add | delete | list | update**}

Syntax Description

Parameters	Description
add	Adds a new v3 user with the v3 authentication and privacy passwords.
delete	Deletes the configuration information for an existing v3 user.
list	Lists the v3 users currently configured.

Parameters	Description
update	Updates configuration information for an existing v3 user.

Command Modes Administrator (admin:)

Usage Guidelines The system prompts you for the parameters.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp get

This interactive command gets the SNMP data using the specified version for the specified MIB OID.

utils snmp get *version*

Syntax Description

Parameters	Description
version	Specifies the SNMP version. Possible values include 1, 2c or 3.
community	Specifies the SNMP community string.
ip-address	Specifies the IP address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IP address of another node in the cluster to run the command on that node.
object	Specifies the SNMP Object ID (OID) to get.
file	Specifies a file in which to save the command output.

Command Modes Administrator (admin:)

Usage Guidelines If you run the command on a specific OID (leaf) in the MIB you would get the value of the MIB. For example to get the system uptime: `iso.3.6.1.2.1.25.1.1.0 = Timeticks: (19836825) 2 days, 7:06:08.25`

If you provide the IP address of a remote host, the command gets executed on the remote host.

Be aware that the IP address is required. You cannot use a domain name.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp hardware-agents

This command affects the SNMP agents on the server.

utils snmp hardware-agents {**status | start | stop | restart**}

Syntax Description

Parameters	Description
status	Displays the status of the SNMP agents provided by the vendor of the hardware. **Note** Only agents that provide status get displayed by this command. Not all hardware agents provide status.
stop	Stops all SNMP agents provided by the hardware vendor.
restart	Restarts all of the SNMP agents provided by the vendor of the hardware.
start	Starts all of the SNMP agents provided by the vendor of the hardware.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils snmp test

This command sends sample alarms to local syslog and remote syslog.

utils snmp test

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

```
admin: admin:utils snmp test
Service Manager is running
Test SNMP Trap starts with Local Host Name, Specify a Remote Sever Name to test Remote
Syslog
TestAlarmInformational sent [Returncode=0]
TestAlarmEmergency sent [Returncode=0]
TestAlarmAlert sent [returncode=0]
TestAlarmCritical sent [Returncode=0]
TestAlarmDebug sent [Returncode=0]
TestAlarmNotice sent [Returncode=0]
TestAlarmWarning sent [Returncode=0]
TestAlarmError sent [Returncode=0]
TestAlarmWindows sent [Returncode=0]
Message from syslogd@ipcbu-plat44 at Sat Jul 17 03:56:11 2010 ...
ipcbu-plat44 local7 0 : 1: ipcbu-plat44.blr.eng: Jul 16 2010 22:26:11.53 UTC :
%UC_-0-TestAlarmEmergency: %[AppID=Cisco CallManager][ClusterID=][NodeID=ipcbu-plat44]:
Testing EMERGENCY_ALARM
```

utils snmp walk

This interactive commands walks through the SNMP MIB using the specified version, starting with the specified OID.

utils snmp walk *version*

Syntax Description

Parameters	Description
version	Specifies the SNMP version. Possible values include 1, 2c or 3.
community	Specifies the SNMP community string.
ip-address	Specifies the IP address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IP address of another node in the cluster to run the command on that node.
object	Specifies the SNMP Object ID (OID) to walk
file	Specifies a file in which to save the command output.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

Example

If you run `snmp walk` on a leaf in the MIB you basically get what you would get with `utils snmp get ...` command. Here in the example we are getting the system's uptime.

```
iso.3.6.1.2.1.1.1.0 = STRING: "Hardware:7825H, 1 Intel(R) Pentium(R) 4 CPU 3.40GHz, 2048
MB Memory: Software:UCOS 2.0.1.0-62"
iso.3.6.1.2.1.1.2.0 = OID: iso.3.6.1.4.1.9.1.583
iso.3.6.1.2.1.1.3.0 = Timeticks: (15878339) 1 day, 20:06:23.39
iso.3.6.1.2.1.1.4.0 = ""
iso.3.6.1.2.1.1.5.0 = STRING: "bldr-ccm34.cisco.com"
iso.3.6.1.2.1.1.6.0 = ""
iso.3.6.1.2.1.1.7.0 = INTEGER: 72
iso.3.6.1.2.1.2.1.0 = INTEGER: 3
iso.3.6.1.2.1.2.2.1.1.1 = INTEGER: 1
iso.3.6.1.2.1.2.2.1.1.2 = INTEGER: 2
iso.3.6.1.2.1.2.2.1.1.3 = INTEGER: 3
iso.3.6.1.2.1.2.2.1.2.1 = STRING: "lo"
Press <enter> for 1 line, <space> for one page, or <q> to quit
```

utils soap realtimeservice test

This command executes a number of test cases on the remote server.

utils soap realtimeservice test [*remote-ip*]*remote-httpsremote https-password*

Syntax Description

Parameters	Description
remote-ip	Specifies the IP address of the server under test.
remote-https-user	Specifies a username with access to the SOAP API.
remote-https-password	Specifies the password for the account with SOAP API access.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on IM and Presence, Cisco Unity Connection

utils sso*

utils sso

This command affects SSO based authentication.

utils sso {**enable**| **disable**| **status**}

Syntax Description

Parameters	Description
enable	Enables SSO based authentication.
disable	Disables SSO based authentication.
status	Provides the status of SSO.

Command Modes

Administrator (admin:)

Usage Guidelin

Note If Tomcat is not running because the OpenAM server is inaccessible, and if you executed **util sso disable** to disable SSO, then Tomcat takes more time to appear. The approximate time for Tomcat to appear is 10 minutes.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

Example

```
Admin: utils sso enable
*** W A R N I N G ***
SSO cannot be enabled using CLI command
============================================================
To enable Cluster wide SAML SSO please access Cisco Unified CM Administration
Page->System->SAML Single Sign On
To enable Agent Flow SSO please access Cisco Unified OS Administration Page->Security->Single
 Sign On
============================================================
```

utils sso recovery-url

This command enables or disables recovery URL for SAML SSO based authentication.

utils sso recovery-url {**enable**| **disable**}

Syntax Description

Parameters	Description
enable	Enables recovery URL for SAML SSO based authentication.
disable	Disables recovery URL for SAML SSO based authentication.

Command Modes

Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence service on Unified Communications Manager, and Cisco Unity Connection

utils system*

utils system restart

This command allows you to restart the system on the same partition.

utils system restart

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils system shutdown

This command allows you to shut down the system.

utils system shutdown

Command Modes Administrator (admin:)

Usage Guidelines This command has a five-minute timeout. If the system does not shut down within five minutes, the command gives you the option of doing a forced shutdown.

Caution If the server is forced to shutdown and restart from your virtual machine, the file system may become corrupted.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils system switch-version

This command allows you to restart the system on the inactive partition.

utils system switch-version

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

utils system boot

This command redirects where the system boot output gets sent.

utils system boot {**console**| **serial**}

Syntax Description

Parameters	Description
console	Redirects the system boot output to the console.

Parameters	Description
serial	Redirects the system boot output to the COM1 (serial port 1).

Command Modes Administrator (admin:)

Requirements

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager and Cisco Unity Connection

utils system upgrade

This command allows you to install upgrades and Cisco Option (COP) files from both local and remote directories.

utils system upgrade {**initiate**| **cancel**| **status**}

Syntax Description

Parameters	Description
cancel	Cancels the active upgrade.
initiate	Starts a new upgrade wizard or assumes control of an existing upgrade wizard. The wizard prompts you for the location of the upgrade file.
status	Displays the status of an upgrade.

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, Cisco Unity Connection

utils users validate

This command checks user records across all nodes and clusters in the deployment to identify duplicate or invalid userid or directory URI values.

utils users validate {**all**| **userid**| **uri**}

Syntax Description

Parameters	Description
all	Validate the userid and directory URI values for all users in the nodes and clusters.
userid	Validate the userid value for all users in the nodes and clusters.
uri	Validate the directory URI value for all users in the nodes and clusters.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: IM and Presence Service on Cisco Unified Communications Manager

utils vmtools*

utils vmtools refresh

This command displays the status of VMware Tools.

utils vmtools refresh

Command Modes

Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection.

Example

```
admin:utils vmtools refresh
VMWare tools are OK. No further action is needed
```

utils vmtools upgrade

This command updates the currently installed VMware Tools to the latest version prescribed by the ESXi host for that VM.

utils vmtools upgrade

Command Modes Administrator (admin:)

Requirements

Applies to: Cisco Unified Communications Manager, IM and Presence service on Cisco Unified Communications Manager, and Cisco Unity Connection

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