Command Line Interface Reference Guide for Cisco Unified Communications Solutions, Release 14 and SUs

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Preface

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- Organization, on page xxiii
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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 Manager, 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

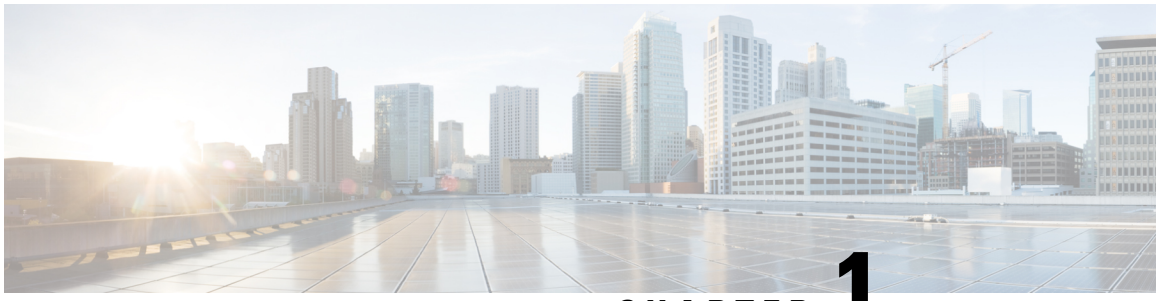
Chapter	Description
About CLI	Provides information about the CLI and tips to help make the management of the products easier to navigate.
Delete commands	Lists all commands relating to the removal of specific information.
File commands	Lists all commands relating to the management of files and logs.

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 Unified Communications Manager and IM and Presence Service.

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



CHAPTER 1

New and Changed Information

- New and Changed Information, on page 1

New and Changed Information

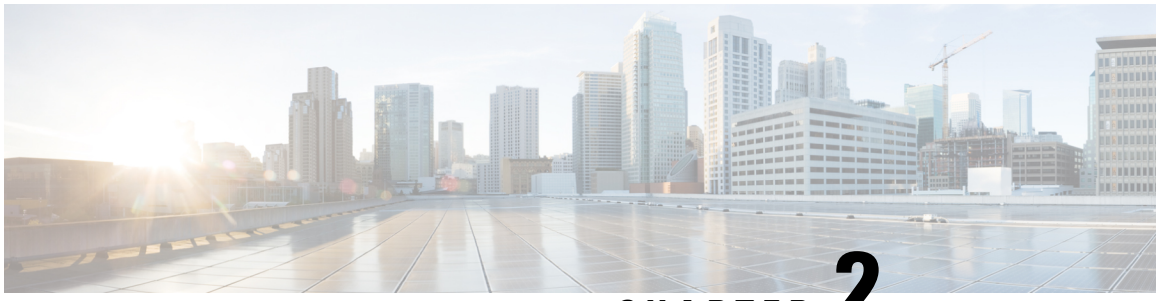
The following table provides an overview of the significant changes to the features in this guide up to this current release. The table does not provide an exhaustive list of all changes made to the guide or of the new features up to this release.

Table 2: New Features and Changed Behavior in Unified Communications Manager and IM and Presence Service

Feature or Change	Description	See	Date
run cuc smtptest	Removed the **run cuc smtptest** command for 14SU4	—	Dec 22, 2025
license smart transport gateway <URL>	Updated the **license smart transport gateway <URL>** command for 14SU4	license smart transport gateway <URL> (Applicable From Release 14SU4 and 15SU2 Onwards), on page 42	May 30, 2024
license smart transport ssm-satellite <URL>	Introduced the **license smart transport ssm-satellite <URL>** command for 14SU4	license smart transport ssm-satellite <URL> (Release 14SU4 and 15SU2 onwards), on page 43	May 07, 2024
utils system upgrade	Introduced the **utils system upgrade** command for 14SU3	• utils system upgrade (Release 14SU3 onwards), on page 368	May 18, 2023
utils cuc licensing reset udi	Introduced the **utils cuc licensing reset udi** command for 14SU3	• utils cuc licensing reset udi , on page 266	May 18, 2023

New and Changed Information

Feature or Change	Description	See	Date
utils system upgrade	Introduced the **utils system upgrade** command	• utils system upgrade (Release 14SU2), on page 366	June 16, 2022
utils system upgrade cluster	Introduced the **utils system upgrade cluster** command	• utils system upgrade cluster, on page 371	June 16, 2022
license smart reservation set license_count	Introduced the **license smart reservation set license_count** command	license smart reservation set license_count, on page 47	October 27, 2021
utils container-engine start	Introduced the **utils container-engine start** command	utils container-engine start, on page 270	March 31, 2021
utils container-engine stop	Introduced the **utils container-engine stop** command	utils container-engine stop, on page 270	March 31, 2021
utils container-engine restart	Introduced the **utils container-engine restart** command	utils container-engine restart, on page 270	March 31, 2021
utils container-engine status	Introduced the **utils container-engine status** command	utils container-engine status, on page 271	March 31, 2021
utils system upgrade dataexport initiate	Introduced the **utils system upgrade dataexport initiate** command	utils system upgrade dataexport initiate, on page 377	March 31, 2021
utils system upgrade dataexport status	Introduced the **utils system upgrade dataexport status** command	utils system upgrade dataexport status, on page 378	March 31, 2021
utils system upgrade dataexport cancel	Introduced the **utils system upgrade dataexport cancel** command	utils system upgrade dataexport cancel, on page 378	March 31, 2021



CHAPTER 2

About CLI

- CLI Privilege Levels, on page 3
- Start CLI session, on page 3
- Tab completes command, on page 5
- Command help, on page 5
- Ctrl-C exits command, on page 6
- Quit CLI session, on page 7

CLI Privilege Levels

During installation of Unified Communications Manager, an administrator with level 4 privilege is created at the platform level. This administrator has all privileges to execute all the command line interface (CLI) commands. Through the CLI commands, the administrator with level 4 privilege creates the following administrators:

- Administrator with level 0 privilege—This administrator has read-only access privilege on the interface.
- Administrator with level 1 privilege—This administrator has both read and write access privilege on the interface.

Note Administrators can execute CLI commands based on the privileges defined for each of them.

After the administrators with the various privileges are created, you can start the CLI session.

Start CLI session

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

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

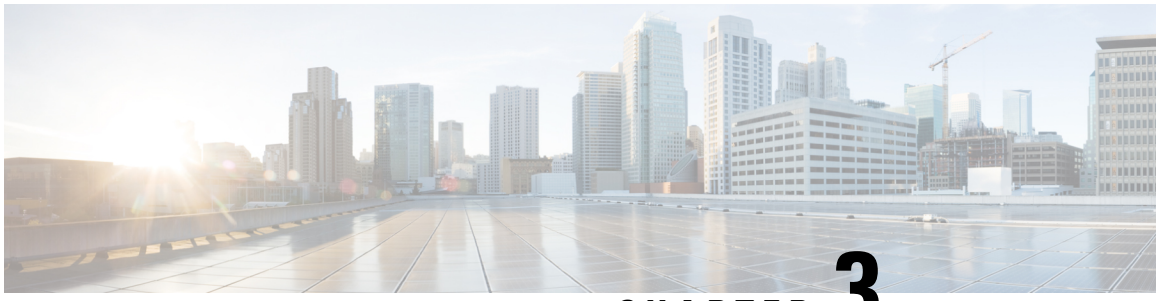
Exiting a Command with Ctrl-C

```
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 3

Delete Commands

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- delete cuc futuredelivery, on page 9
- delete cuc locale, on page 10
- delete dns, on page 11
- delete dscp, on page 11
- delete ipsec policy_group, on page 12
- delete ipsec policy_name, on page 12
- delete process, on page 13
- delete smtp, on page 13

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: 1

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

Command privilege level: 1

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_group policy_name* }

Syntax Description

Parameters	Description
policy_group	Represents the policy group.
policy_name	Represents the policy name.

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.
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

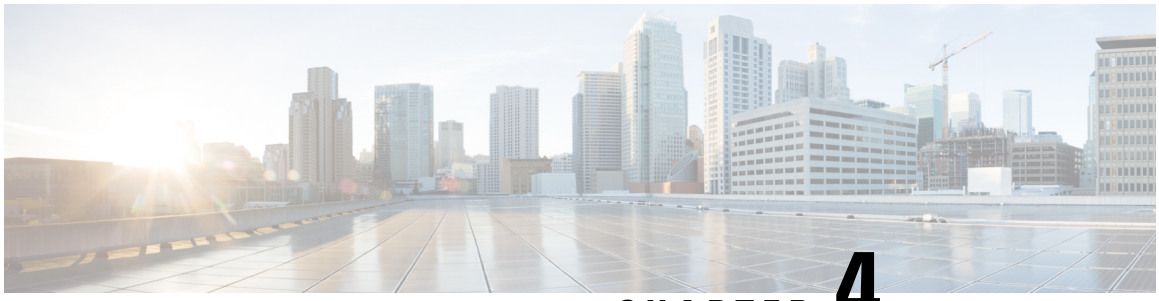
Administrator (admin:)

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 4

File Commands

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- file check, on page 19
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file build log

This command collects log information by service or feature and duration.

file build log *service/feature duration*

Syntax Description

Parameters	Description
service/feature	specifies the component or functional area from which to retrieve log information
duration	specifies the time period, measured in days, from which the log information is retrieved.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level:

Allowed during upgrade:

Applies to: IM and Presence Service on Unified Communications Manager

Examples

This command collects logs for the Client Profile Agent.

```
admin: file build log cpa 10
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
```

This command shows information for the deployment.

```
admin: file build log deployment info 0

DB Queriesmay take up to 5 minutes to complete. Please be patient...
About to start queries for deployment data... please wait...
-------------------------------------------------
Gathering CUCM Version...
```

```
ccmversion
11.0.1.100000(9)
------------------------------------------------
Gathering CUCM Publisher Node
ccmpublisherhostname
gwydlg050498vm1
------------------------------------------------
Gathering Rosters table...
rosters
3032681
------------------------------------------------
Gathering Groups table...
groups
1518966
------------------------------------------------
Gathering Non-Presence contacts...
nonpresencecontacts
502573
------------------------------------------------
Gathering Number of inter-cluster users...
enduser
0
------------------------------------------------
Gathering CUCM Nodes in cluster...
processnode
2
------------------------------------------------
Gathering CUCM Node names in cluster...
name
EnterpriseWideData
processnode
gwydlg050408vm1
------------------------------------------------
Gathering IM&P nodes in cluster...
processnode
2
------------------------------------------------
Gathering XCP Routing Node...
paramvalue
t
------------------------------------------------
Gathering Exchange Calendaring...
pebackendgateway
------------------------------------------------
Gathering SIP Inter-domain Federation...
domainname

paramvaluegwydlg050408vm2-public.cisco.com
------------------------------------------------
Gathering XMPP Inter-domain Federation...
xmpps2ssnodes
0
------------------------------------------------
Gathering Intra-domain Partitioned Federation...
enablepartitionedfedwithacs
f
------------------------------------------------
Gathering Inter-cluster Peering...
cupsinterclusterpeers

------------------------------------------------
Gathering Message Archiver...
pkid
8fede7a9-b6a6-4ad4-8da6-b8ea4c8d5411
```

```
databasetype
Postgres
databasename
tcmadb
name
gwydlg050408vm2
tknodeusage
0
tkprocessnoderole
2
nodeid
3
-------------------------------------------------
Gathering Third-party compliance...
ftextdbprocessnodemap
0
-------------------------------------------------
Gathering Persistent Chat...
enablepersistentgear
t
databasetype
Postgres
datanasename
tcmadb
name
gwydlg050408vm2
tknodeusage
0
tkprocessnoderole
2
nodeid
2
-------------------------------------------------
Gathering Advanced File Transfer...
tkfiletransfer
2
databasetype
Postgres
datbasename
tcmadb
name
gwydlg050408vm2
tknodeusage
0
tkprocessnoderole
2
nodeid
3
-------------------------------------------------
Gathering AD Groups...
paramvalue
t
-------------------------------------------------
Gathering XEP-198...
paramvalue
t
-------------------------------------------------
Gathering DB Replication Status...
replicationdynamic
2
Services on this node that currently have debug logging enabled are:

Cisco Presence Engine
Cisco DRF Local
```

```
Cisco XCP File Transfer Manager

Collecting Logs for deployment_info

Collected: platformConfig.xml
Collected: deployment_info.xml
Collected: system_info.txt

To retrieve the logs, run the following CLI Command:
 file get activelog epas/trace/log_2015-08-17-154010.tar.gz
To maintain a stable system it is recommended that you remove the file after retrieval.
 To do this run the CLI Command:
 file delete activelog epas/trace/log_2015-08-17-154010.tar.gz
Please Note: Debug logging is not enabled for any of the files you have retrieved
```

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, we recommend that you run the command during off-peak hours.

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

file delete

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

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

Syntax Description

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

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 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

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: 1

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 Guidelines

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

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection

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

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

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

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

Syntax Description

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

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

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.
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.

Parameters	Description
size	Sorts files by size.

Command Modes

Administrator (admin:)

Usage Guidelines

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: 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.

Parameters	Description
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 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.
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

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* [*reltimeabstime*] **[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**
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* [*reltimeabstime*] **[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 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

This command shows the contents of log files.

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

Syntax Description

Parameters	Description
activelog	Shows the contents of an active side logging files
inactivelog	Shows the contents of an inactive side logging files
install	Shows the contents of an install logging 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 Guidelines

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 activelog

This command shows the contents of log files.

file view activelog file-spec

Syntax Description

Parameters	Description
activelog	Shows the contents of an active side logging files
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 Guidelines

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

Note This command may use a considerable amount of I/O and running it may impact system performance. It is highly recommended that this command be run off-hours.

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 log on the active side.

```
admin:file view activelog cm/trace/ccm/sdl/{filename}
```

file view inactivelog

This command displays the contents of a log on the inactive side.

file view inactivelog {**file-spec**}

Syntax Description

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

Command Modes

Administrator (admin:)

Usage Guidelines

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

Note This command may use a considerable amount of I/O and running it may impact system performance. It is highly recommended that this command be run off-hours.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified CM, Unified CM with IM and Presence, Cisco Unity Connection

Example

This example shows a particular log on the inactive side.

```
admin:file view inactivelog cm/trace/ccm/sdl/{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 Guidelines

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

Requirements

Command privilege level: 1

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 Guidelines

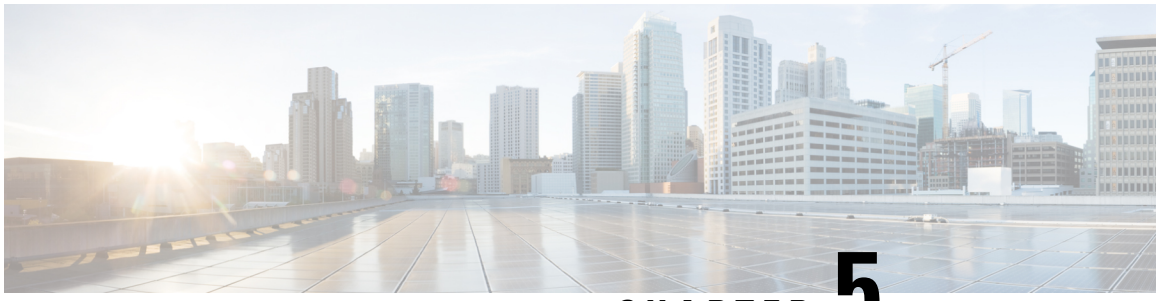
Caution Do not use this command to view binary files because this can corrupt the terminal session.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, Cisco Unity Connection



CHAPTER 5

License Commands

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license smart deregister

Use this command to unregister smart licensing on Unified Communications Manager and remove the product from Cisco Smart Software Manager.

license smart deregister

Command Modes

Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart register idtoken <token> [force]

Use this command to register Unified Communications Manager with Cisco Smart Software Manager using an ID token.

license smart register idtoken <token> [force]

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart renew auth

Use this command to manually renew the license usage information .

license smart renew auth

Command Modes

Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart renew ID

Use this command to manually renew the license registration.

license smart renew ID

Command Modes

Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart transport direct

Use the following command to configure the Smart Licensing feature to send license usage information directly to Cisco Smart Software Manager. This is a default setting.

license smart transport direct

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

Note The following command is executed when Unified Communications Manager is unregistered with Cisco Smart Software Manager or satellite.

license smart transport gateway <URL> (Applicable Until Release 14SU4 and 15SU2)

Use the following command to configure the Smart Licensing feature to send license usage information to Cisco Smart Software Manager through an on-premise Transport Gateway or Smart Software Manager satellite. The setting is used when the product does not have internet access.

license smart transport gateway <URL>

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

Note The following command is executed when Unified Communications Manager is unregistered with Cisco Smart Software Manager or satellite.

license smart transport gateway <URL> (Applicable From Release 14SU4 and 15SU2 Onwards)

Use the following command to configure the Smart Licensing feature to send license usage information to Cisco Smart Software Manager through an on-premise Transport Gateway. The setting is used when the product does not have internet access.

license smart transport gateway <URL>

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

Note The following command is executed when Unified Communications Manager is unregistered with Cisco Smart Software Manager or satellite.

Note This command is executed to configure the Transport Gateway URL. This command cannot be executed on Unified Communications Manager using the Smart Transport mode for communication as Transport Gateway is not supported. Use the 'license smart transport ssm-satellite <URL>' CLI command to configure the satellite URL. Smart Transport gateway is not supported for freshly deployed Unified Communications Manager systems.

Note You must use this command in case there are any issues with Smart Transport mode and wants to fall back to the Call Home mode post deregister.

license smart transport proxy <proxy-server> <proxy-port>

Use the following command to configure the Smart Licensing feature to communicate with Cisco Smart Software Manager through an HTTP or HTTPS Proxy:

<proxy-server> - Proxy Server IP Address/HostName

<proxy-port> - Proxy Server Port

license smart transport proxy <proxy-server> <proxy-port>

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

Note The following command is executed when Unified Communications Manager is unregistered with Cisco Smart Software Manager.

Note When user gets the prompt **Do you want to enable Authentication based proxy? Yes/No**

Enter "Yes" if you want to register Unified Communication Manager with Cisco Smart Software Manager using authentication based proxy server.

Example

```
admin:license smart transport proxy <proxy-server> <proxy-port>

Do you want to enable Authentication based proxy ? y/n y
User Name : xyz
Password: *********
```

Result: Transport settings updated successfully.

license smart transport ssm-satellite <URL> (Release 14SU4 and 15SU2 onwards)

Use the following command to configure the Smart Licensing feature to send license usage information to an on-premise Smart Software Manager satellite. This setting is used when the product does not have any access to the Internet.

license smart transport ssm-satellite <URL>

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

license smart factory reset

Use this command to clear all licensing information from the trusted store and memory, except the evaluation period count down and the Specific License Reservation (SLR) sequence number.

license smart factory reset

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Cisco Unified Communications Manager

license smart reservation enable

Use this command to enable the license reservation feature.

license smart reservation enable

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation disable

Use this command to disable the license reservation feature.

license smart reservation disable

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation request

Use this command to generate reservation request code from Unified Communications Manager product.

license smart reservation request

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation cancel

Use this command to cancel the reservation process before the authorization code obtained from Cisco Smart Software Manager against the Product request code is installed.

license smart reservation cancel

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation install "<authorization-code>"

Use this command to install the license reservation authorization-code generated on the Cisco Smart Software Manager.

license smart reservation install "<authorization-code>"

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation install-file <url>

Use this command to install the license reservation authorization-code file generated on the Cisco Smart Software Manager.

license smart reservation install-file <url>

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

Note url is mandatory Path to the authorization-code file on SFTP server in below format:

sftp://<HostName/IP>:<port>/<Path to Authorization-Code file>

license smart reservation return

Use this command to generate a return code that must be entered into the Cisco Smart Software Manager to return the licenses to the virtual account pool.

license smart reservation return

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation return authorization "<authorization-code>"

Use this command to generate a return code using the authorization code specified on the command line. The return code must be entered into the Cisco Smart Software Manager to return the licenses to the virtual account pool.

license smart reservation return authorization "<authorization-code>"

Command Modes Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

license smart reservation set license_count

Use this command to configure or update the license count for the system to operate within when Permanent License Reservation is enabled. License count configured using this CLI does not affect compliance status and is for administrator reference only. The license count set by admin using the CLI will be displayed on the Unified Communications Manager License Management UI screen.

license smart reservation set license_count

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager , Cisco Emergency Responder, and Cisco Unity Connection

license smart export request local <exportfeaturename>

Use this command to allow user with Smart Account for whom Export Restrictions apply, to request a regulatory export license from Cisco Smart Software Manager or satellite.

The command returns an export authorization key if regulatory Export License is available from Cisco Smart Software Manager or satellite and enable export-controlled functionality on the product.

license smart export request local <exportfeaturename>

Note

- Export restricted feature name for Unified Communications Manager is <CUCM_Export_Restricted_Authorization_Key>
- Export restricted feature name for Cisco Unity Connection is <CUC_Export_Restricted_Authorization_Key>

Command Modes

Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

license smart export return local <exportfeaturename>

Use this command to allow a return, previously requested export restricted license to Cisco Smart Software Manager or satellite. The export authorization key for the export restricted feature is removed from the system.

license smart export return local <exportfeaturename>

Note

- Export restricted feature name for Unified Communications Manager is <CUCM_Export_Restricted_Authorization_Key>
- Export restricted feature name for Cisco Unity Connection is <CUC_Export_Restricted_Authorization_Key>

Command Modes

Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

license smart export cancel

Use this command to allow user with Smart Account for whom Export Restrictions apply, to cancel the automatic retry of previously failed export request or return from Cisco Smart Software Manager or satellite.

license smart export cancel

Command Modes

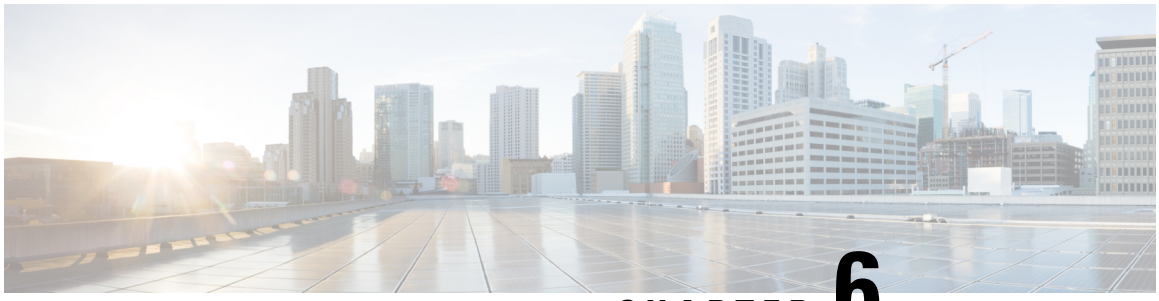
Administrator (admin)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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



CHAPTER 6

Run Commands

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- run cuc preupgrade test, on page 52
- run cuc sysagent task, on page 54
- run cuc vui rebuild, on page 55
- run loadcsv, on page 55
- run loadxml, on page 55
- run sql, on page 56
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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 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 loadcsv

This command is used on the publisher node to install the csv files that are available on a server.

run loadcsv

Command Modes

Administrator (admin:)

Usage Guidelines

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 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 Guidelines

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

Command privilege level: 0

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

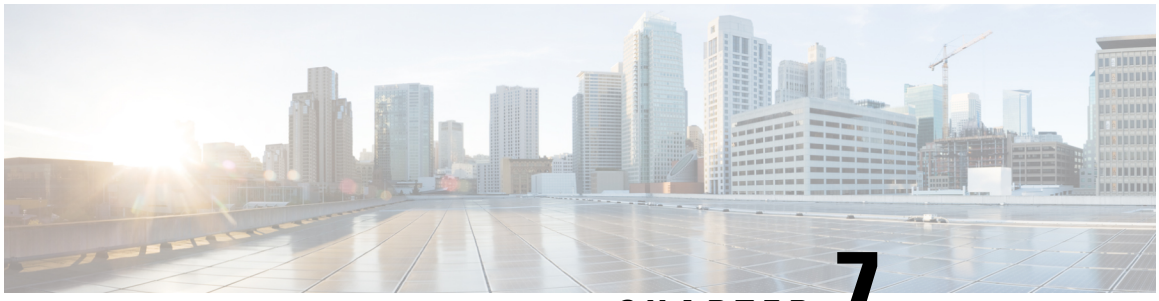
Applies to: IM and Presence Service on Unified Communications Manager

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 7

Set Commands

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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: 4

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. Enter a name comprised of only alphabets or characters comprised of alphanumeric characters (a-z, A-D, 0-9). **Note** Umlaut characters are not supported.

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 during Unified Communications Manager installation has a privilege level of 4. The administrator can run all commands in the CLI.

The **set account name** command includes the following new prompts:

- **'Allow this User to login to SAML SSO-enabled system through the Recovery URL ? (Yes / No)'** — Level 4 administrators can enable or disable the access to the recovery URL sign-in option for new platform administrators by typing **'Yes'** or **'No'** on the CLI. The value can be configured to **'Yes'** if a user chooses to sign-in using the Recovery URL.
- **'To authenticate a platform login for SSO, a Unique Identifier (UID) must be provided that identifies this user to LDAP (such as sAMAccountName or UPN). Please enter the appropriate LDAP Unique Identifier (UID) for this user:[UID]'** — Level 4 administrator can type the unique identifier value for each platform administrator for this prompt.

Note Only the Level 4 administrator has privileges to run all the CLI commands.

The administrator must ensure to perform the following tasks:

- Type either **'Yes'** or **'No'** for the **'Allow this User to login to SAML SSO-enabled system through Recovery URL ? (Yes / No)'** prompt. If this prompt value is blank, an error message appears.
- Type a value for the **'To authenticate a platform login for SSO, a Unique Identifier (UID) must be provided that identifies this user to LDAP (such as sAMAccountName or UPN). Please enter the appropriate LDAP Unique Identifier (UID) for this user:[UID]'** prompt. If the prompt value is duplicate, an error message appears. You can hit the Enter key and then, the user account name is saved by default. After the account is created successfully, the administrator will see the message *Account created successfully. Log in to the CLI and update the password before you log in to OS Administration.*
- In the case of SAML SSO login for Operating System Admin pages, if LDAP user consists of **'&'** character, make sure you create platform user without **'&'** and then map to LDAP user consisting of **'&'** character.
- In the case of SAML SSO login for Operating System Admin pages, if LDAP attribute value for User ID is telephonenumber, make sure you create platform user using consisting of alphanumeric characters or English alphabets only. Do not include platform user name with only numeric values. Then, map to the appropriate LDAP user having the UID value as telephone number.

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

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 Guidelines

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

When the Administration account locking feature is enabled, and the user enters the wrong password more than the accountlocking count, the account gets locked for a set period. The message that the account is locked is only seen on the VM console and secure logs.

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

Command privilege level: 1

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. Value Range: 30-3600 Default value: 300

Note

- The account gets automatically unlocked only after the configured unlock time.
- This command is only valid when account locking is enabled. If account locking is disabled, the system does not remember the account locking unlock time and uses the default value, 300, after you enable account locking.

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 ssorecoveryurlaccess

This command enables or disables the SSO recovery URL access for platform administrators.

Note By default, the platform administrator Level 4 has access to the recovery URL. If the platform administrator Level 4 attempts to update the recovery URL access for own self, an error appears.

set account ssorecoveryurlaccess {**enable** | **disable**}*userid*

Syntax Description

Parameters	Description
enable	Enable the recovery sign-in option for platform administrators.
disable	Disable the recovery sign-in option for platform administrators.

Parameters	Description
userid	Specifies a particular Cisco Unified Operating System Administrator account.

Command Modes

Administrator (admin:)

Usage Guidelines

Note

- If you enable or disable the recovery sign-in option, which is already enabled or disabled, an error appears.
- 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: 4

Allowed during upgrade: No

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

set account ssouidvalue

This command updates the unique identifier value for the existing platform administrators.

set account ssouidvalue *userid*

Syntax Description

Parameters	Description
userid	Specifies a particular Cisco Unified Operating System Administrator account whose unique identifier value needs to be updated.

Command Modes

Administrator (admin:)

Usage Guidelines

Note

- When you run the **set account ssouidvalue userid** command, a prompt appears to provide the UID value. If the UID value is blank, then samaccountname is saved as ssouidvalue by default.
- If a duplicate UID value exists, an error appears.

Requirements

Command privilege level: 4

Allowed during upgrade: No

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

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 68

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 68

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 68

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 default-ca-list disable

This command disables all or particular default CA certificates from all servers in the cluster.

When you try to execute this command, a warning message appears displaying that this operation disables all or particular default Cisco CA certificates.

```
set cert default-ca-list disable {all |common-name}
```

Note

- Please ensure that you are executing this command from the Unified Communications Manager publisher node.
- The default CA certificate names can be obtained by executing the **show cert default-ca-list** command.

Syntax Description

Parameters	Description
all	Deletes all the default CA certificates from all servers in the cluster.
common-name	Deletes the particular default CA certificate from all servers in the cluster.

Command Modes Administrator (admin:)

Usage Guidelines Consider the following information after you disable all the default CA certificates.

- Restart the “Cisco Tomcat”, “Cisco CallManager”, “Cisco Tftp”, and “Cisco Certificate Authority Proxy Function” services.

Consider the following information after you disable the specific default CA certificate.

- Restart the “Cisco CallManager”, “Cisco Tftp”, and “Cisco Certificate Authority Proxy Function” services.
- If you are disabling “VeriSign Class 3 Secure Server CA - G3” certificate, then restarting of only “Cisco Tomcat” service is sufficient.

Requirements

Command privilege level: 1

Applies to: Unified Communications Manager

Example

```
admin:set cert default-ca-list disable all

WARNING: This operation will disable all Cisco CA certificates that have been installed
by default. You can use the "show cert default-ca-list" to view the list of default
Cisco CA certificates.
You must restart the "Cisco Tomcat", "Cisco CallManager", "Cisco Tftp" and
"Cisco Certificate Authority Proxy Function" services after running this command.
This command should be run from the Publisher.
Do you wish to proceed (yes|no)? yes
Successfully disabled the default Cisco CA certificates.
Please wait for a few min to UI to reflect the correct status.


admin:set cert default-ca-list disable common-name
Enter the Common Name of Default CA Certificate : CAP-RTP-001
WARNING: This operation will disable the "CAP-RTP-001" Cisco CA certificate.
You must restart the "Cisco CallManager", "Cisco Certificate Authority Proxy Function" and
"Cisco Tftp" services after running this command. This command should be run from the
Publisher.
Do you wish to proceed (yes|no)? yes
Successfully disabled default "CAP-RTP-001" certificate.

admin:set cert default-ca-list disable common-name
Enter the Common Name of Default CA Certificate : VeriSign Class 3 Secure Server CA - G3
WARNING: This operation will disable the "VeriSign Class 3 Secure Server CA - G3" Cisco CA
certificate. You must restart the "Cisco Tomcat" services after running this command.
This command should be run from the Publisher.
Do you wish to proceed (yes|no)? yes
Successfully disabled default "VeriSign Class 3 Secure Server CA - G3" certificate.

admin:set cert default-ca-list enable common-name
Enter the Common Name of Default CA Certificate : capf
The capf certificate is not in the list of default Cisco CA certificates.
admin:
```

set cert default-ca-list enable

This command enables all or particular default CA certificates except CAPF-trust on all servers in the cluster. CAPF-trust certificate enable only on the Unified Communications Manager publisher node not across the cluster.

When you try to execute this command, a warning message appears displaying that this operation enables all or particular default Cisco CA certificates as a trusted certificate.

```
set cert default-ca-list enable {all |common-name}
```

Note

- Please ensure that you are executing this command from the Unified Communications Manger publisher node.
- The default CA certificate names can be obtained by executing the **show cert default-ca-list** command.

Syntax Description

Parameters	Description
all	Enables all the default CA certificates on all servers in the cluster.
common-name	Enables the particular default CA certificate on all servers in the cluster.

Command Modes

Administrator (admin:)

Usage Guidelines

Consider the following information after you enable all the default CA certificates.

- Restart the “Cisco Tomcat”, “Cisco CallManager”, “Cisco Tftp”, and “Cisco Certificate Authority Proxy Function” services.

Consider the following information after you enable the specific default CA certificate.

- Restart the “Cisco CallManager”, “Cisco Tftp”, and “Cisco Certificate Authority Proxy Function” services.
- If you are enabling “VeriSign Class 3 Secure Server CA - G3” certificate, then restarting of only “Cisco Tomcat” service is sufficient.

Requirements

Command privilege level: 1

Applies to: Unified Communications Manager

Example

```
admin:set cert default-ca-list enable all

WARNING: This operation will enable all default Cisco CA certificates
as trusted certificates for all nodes in this cluster.
You can use the "show cert default-ca-list" to view the list of default
Cisco CA certificates. You must restart the "Cisco Tomcat", "Cisco CallManager",
"Cisco Tftp" and "Cisco Certificate Authority Proxy Function" services after
running this command. This command should be run from the Publisher.
Do you wish to proceed (yes|no)? yes
Successfully enabled the default Cisco CA certificates.
Please wait for a few minutes for the UI to reflect the correct status.


admin:set cert default-ca-list enable common-name
Enter the Common Name of Default CA Certificate : CAP-RTP-002
WARNING: This operation will install the "CAP-RTP-002" certificate as a trusted certificate
for all nodes in this cluster. You must restart the "Cisco CallManager",
"Cisco Certificate Authority Proxy Function" and  "Cisco Tftp" services after running this
```

```
command. This command should be run from the Publisher.
Do you wish to proceed (yes|no)? yes
Successfully enabled default "CAP-RTP-002" certificate.

admin:set cert default-ca-list enable common-name
Enter the Common Name of Default CA Certificate : VeriSign Class 3 Secure Server CA - G3
WARNING: This operation will install the "VeriSign Class 3 Secure Server CA - G3" certificate
as a trusted certificate for all nodes in this cluster. You must restart the "Cisco Tomcat"
services after running this command. This command should be run from the Publisher.
Do you wish to proceed (yes|no)? yes
Successfully enabled default "VeriSign Class 3 Secure Server CA - G3" certificate.

admin:set cert default-ca-list enable common-name
Enter the Common Name of Default CA Certificate : CAP-RTP-003
The CAP-RTP-003 certificate is not in the list of default Cisco CA certificates.
admin:
```

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.
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 cert regen ITLRecovery

This command regenerates the ITLRecovery certificate for the specified unit.

After you type this command, a warning message appears displaying that if you are using a tokenless CTL and if the you are regenerating the CallManager certificate, ensure that the CTL file has the updated CallManager certificate and that certificate is updated to endpoints. To regenerate the certificate, type **yes** or else type **no**.

set cert regen *ITLRecovery*

Syntax Description

Parameters	Description
ITLRecovery	Represents the ITLRecovery certificate.

Command Modes

Administrator (admin:)

Requirements

Caution You must restart the services related to ITLRecovery for the regenerated certificates to become active.

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 ITLRecovery

WARNING: If you are using a tokenless CTL and if the CallManager certificate is recently
generated, please ensure that the CTL File already has the new CallManager certificate and
 is
updated to the endpoints, before generating the ITL Recovery certificate. Are you sure want

to proceed?

Proceed with regeneration (yes|no)? yes

Successfully Regenerated Certificate for ITLRecovery.

You must restart the services related to ITLRecovery for the regenerated certificates to
become active.
```

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 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 Guidelines

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 Guidelines

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 Guidelines

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 speechview registration certificate size

This command sets up new certificate bit size for Speech to Text service registration and Voicemail transcription with Nuance server.

set cuc speechview registration certificate size bit_size

Syntax Description

Parameters	Description
bit_size	Specifies the bit_size of certificate. Its allowed values are 1k, 2k or 4k.

Command Modes

Administrator (admin:)

Usage Guidelines

To set the desired certificate bit size, use the **set cuc speechview registration certificate size** (Cisco Unity Connection Only) command. The CLI must be executed on the publisher. It will restart the Connection SpeechView Processor service.

Requirements

Command privilege level: 4

set cuc srsv timeout

This command sets the value for SRSV session timeout.

set cuc srsv timeout *timeout_value*

Syntax Description

Parameters	Description
timeout_value	Sets the time for session logout.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

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.

Parameters	Description
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 168

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 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.

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:)

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 http min-version HTTP/1.1

This command sets HTTP/1.1 and later as the minimum protocol version for all the inbound HTTP requests.

set http min-version HTTP/1.1

Command Modes

Administrator (admin:)

Usage Guidelines

Ensure to restart the following services on all the nodes in the Unified Communications Manager cluster:

- Cisco CallManager
- Cisco TFTP
- Cisco HAProxy

Requirements

Command privilege level: 1

Allowed during upgrade: No

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

set http min-version HTTP/2

This command sets HTTP/2 as the minimum protocol version for all the inbound HTTP requests.

set http min-version HTTP/2

Command Modes

Administrator (admin:)

Usage Guidelines

Warning Local Push Notification Service (LPNS) utilizes web sockets exclusively over HTTP/1.1 and it will no longer function when the HTTP minimum version is set to HTTP/2.

Ensure to restart the following services on all the nodes in the cluster:

On the Unified Communications Manager:

- Cisco CallManager
- Cisco TFTP
- Cisco HAProxy

On the IM and Presence Service:

- Cisco Tomcat
- Cisco Config Agent
- Cisco XCP Config Manager
- Cisco XCP Router
- Cisco XCP Connection Manager

Requirements

Command privilege level: 1

Allowed during upgrade: No

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

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 { *policy_group* *policy_name* }

Syntax Description

Parameters	Description
policy_group	Specifies the name of a particular ipsec policy group to enable.
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 key regen authz encryption

Run this command on the Unified Communications Manager publisher node to regenerate the symmetric encryption key that encrypts OAuth access tokens and refresh tokens that are used in Cisco Jabber authentication.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager and the IM and Presence Service.

set key regen authz signing

Run this command on the Unified Communications Manager publisher node to regenerate the asymmetric RSA key pair for signing the OAuth access tokens and refresh tokens that are used in Cisco Jabber authentication.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager and the IM and Presence Service.

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 Login Grace Timeout

This command allows you to configure the LoginGraceTimeout value to the mentioned value.

set Login Grace Timeout *LoginGraceTimeout value*

Syntax Description

Parameters	Description
LoginGraceTimeout value	Sets the LoginGraceTimeout value for login grace timeout.

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.

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

Command Modes

Administrator (admin:)

Usage Guidelines

Note

- Cisco recommends changing the IP address of node(s) only during the maintenance window.
- From Release 12.5(1)SU7 and 14SU3 and onwards, changing the IP address/hostname on a single node will trigger the restart of Service Manager and all services on all nodes.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

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

set network cluster subscriber details

Use this command to add subscriber to the processnode or appserver table when Tomcat Webserver is server down and GUI is inaccessible.

set network cluster subscriber details *servertype hostname ip domainname*

Syntax Description

Parameter	Description
servertype	Choose one of these products for this parameter— Unified Communications Manager, IM and Presence Service, and Cisco Unity Connection. This field is mandatory.

Parameter	Description
hostname	The hostname of the node that you add to the cluster. The hostname is supported on the same domain. This field is mandatory.
ip	The IPv4 address of the node that you add to the cluster. This field is mandatory for IM and Presence publisher and Cisco Unity Connection.
domainname	The domain name of the IM and Presence Service publisher. This field is mandatory for IM and Presence publisher.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

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

set network cluster subscriber dynamic-cluster-configuration

Use this command to enable the Dynamic Cluster Configuration on the publisher. Use this command to specify the duration in which you can add subscriber nodes to the publisher server table. The addition of subscriber nodes is authenticated immediately and those nodes need not wait for the publisher details during the installation of the subscriber nodes.

set network cluster subscriber dynamic-cluster-configuration {**default** | **no. of hours**}

Syntax Description

Parameter	Description
default	Enables the Dynamic Cluster Configuration for 24 hours.
no. of hours	Specifies a value from 1 to 24 hours.

Command Modes

Administrator (admin)

Requirements

Applies to Unified Communications Manager, IM and Presence Service, 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_ipnet_maskgateway_ip* }

Syntax Description

Parameters	Description
eth0	Specifies Ethernet interface 0.
enable	This enables 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 Guidelines

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

Note If you change the IP address for the DNS servers, you must reboot the server through the **utils system restart** CLI command.

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.

Usage Guidelines

Running this command causes an automatic system restart.

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 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
 Note: Changing the IP address will automatically restart
       system services cluster wide.
 Note: The command should not be issued during normal operating hours.
======================================================
```

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. Also, before attempting an IP address change, the administrator should perform the following:

- verify that 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 restarts the following services:

- NIC driver
- NTP
- CLM
- Service Manager

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 network ip eth0
......

***   W A R N I N G   ***
=======================================================
Note:  Please verify that the new ip address is unique across the cluster
and, if DNS services are utilized, any DNS configuration is
completed before proceeding.
Note: Changing the IP address will automatically restart
system services cluster wide.
Note: The command should not be issued during normal operating hours.
=======================================================
```

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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager , IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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 name-service hosts cache-enable

This command enables the nscd related cache.

set network name-service hosts cache-enable *value*

Syntax Description

Parameters	Description
value	The boolean value must be either *yes* or *no*.

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.

set network name-service hosts max-db-size

This command sets the maximum allowed size for a service.

set network name-service hosts max-db-size *value*

Syntax Description

Parameters	Description
value	Enter the number of bytes for the database size.

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.

set network name-service hosts negative-time-to-live

This command sets the time-to-live (TTL) for negative entries or unsuccessful queries in the specified cache for service. So, using this command improves the performance if there are various files owned by user IDs (UIDs) and are unavailable in system databases. For example, files that are available in the Linux kernel sources as root. To reduce the cache coherency problems, the number of such files should be kept to the minimum.

set network name-service hosts negative-time-to-live *value*

Syntax Description

Parameters	Description
value	Enter the number of seconds.

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.

set network name-service hosts persistent

This command retains the content of the cache for service over server restarts. This command is useful when *paranoia* mode is configured.

set network name-service hosts persistent *value*

Syntax Description

Parameters	Description
value	Enter a value for a service.

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.

set network name-service hosts positive-time-to-live

This command sets the time-to-live (TTL) for positive entries or successful queries in the specified cache for service. Configure the value in seconds. Larger values increase cache hit rates and reduce mean response times. However, such values increase problems with cache coherence.

set network name-service hosts positive-time-to-live *value*

Syntax Description

Parameters	Description
value	Enter the number of seconds.

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.

set network name-service hosts suggested-size

This command changes the internal hash table size.

set network name-service hosts suggested-size *value*

Syntax Description

Parameters	Description
value	Enter a prime number for optimum efficiency.

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.

set network name-service services cache-enable

This command enables the nscd related cache.

set network name-service services cache-enable *value*

Syntax Description

Parameters	Description
value	The boolean value must be either *yes* or *no*.

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.

set network name-service services max-db-size

This command sets the maximum allowed size for the service.

set network name-service services max-db-size *value*

Syntax Description

Parameters	Description
value	Enter the value in number of bytes.

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.

set network name-service services negative-time-to-live

This command sets the time-to-live (TTL) for negative entries or unsuccessful queries in the specified cache for service. So, using this command improves the performance if there are various files owned by user IDs

(UIDs) and are unavailable in system databases. For example, files that are available in the Linux kernel sources as root. To reduce the cache coherency problems, the number of such files should be kept to the minimum.

set network name-service services negative-time-to-live *value*

Syntax Description

Parameters	Description
value	Enter a prime number for optimum efficiency.

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.

set network name-service services persistent

This command retains the content of the cache for service over server restarts. This command is useful when *paranoia* mode is configured.

set network name-service services persistent *value*

Syntax Description

Parameters	Description
value	Enter a value for a service.

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.

set network name-service services positive-time-to-live

This command sets the time-to-live (TTL) for positive entries or successful queries in the specified cache for service. If you enter a large value for this command, it increases cache hit rates and reduces mean response times. However, a large value increases issues with cache coherence.

set network name-service services positive-time-to-live *value*

Syntax Description

Parameters	Description
value	Enter the number of seconds.

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.

set network name-service services suggested-size

This command sets the internal hash table size.

set network name-service services suggested-size *value*

Syntax Description

Parameters	Description
value	Enter a prime number for optimum efficiency.

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.

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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

set network ntp option

This command adds the *noquery* option to the `/etc/config` file.

set network ntp option

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.

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: Unified Communications Manager, IM and Presence Service on 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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

set network name-service

This command displays name service cache attributes.

set network name-service [**attribute**] [**value**]

Syntax Description

Attribute	Value
Paranoia	Bool must be either Yes or No. Enabling paranoia mode causes Name Service to restart itself periodically.
debug-level	If level is higher than 0, Name Service will create some debug output. Higher the level, more verbose the output.
reload-count	Sets the number of times a cached record is reloaded before it is pruned from the cache. Each cache record has a timeout. When that timeout expires Name Service will either reload it (query the NSS service again if the data hasn't changed) or drop it.
restart-interval	Sets the restart interval to time seconds if periodic restart is enabled by enabling paranoia mode. The default value is 3600.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

set password complexity minimum-length

This command modifies the value of minimum password length for the OS administration accounts.

Note Use this command after you enable the character complexity of passwords.

set password complexity minimum-length *max-repeat*

Syntax Description

Parameters	Description
value	Enter a value of or greater than eight.

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 password age

This command modifies the value for password age, in days, for Cisco Collaboration Communication OS (C3OS) accounts.

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

Syntax Description

Parameters	Description
maximum	Specifies the maximum age.
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: Unified Communications Manager, IM and Presence Service on 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 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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 Collaboration Communication OS (C3OS) 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.
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

Example

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

set password expiry user maximum-age configure

This command modifies the value of the maximum password age for a particular Cisco Collaboration Communication OS Administration account in days.

set password expiry user maximum-age configure *userid maximum password age*

Syntax Description

Parameters	Description
userid	Enter Cisco Collaboration Communication OS (C3OS) Administrator account.
maximum password age	Enter the maximum password age in days. This value must be equal to or greater than 10 days but less than 3650 days (10 years).

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.

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 Collaboration Communication OS (C3OS) Administrator accounts.
disable	Turns off password expiry minimum age settings for Cisco Collaboration Communication OS (C3OS) 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: Unified Communications Manager, IM and Presence Service on 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 Collaboration Communication OS (C3OS) 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 on the maximum age password expiry settings for a particularCisco Collaboration Communication OS (C3OS) 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.
userid	Specifies a particular Cisco Collaboration Communication OS (C3OS) Administrator account.

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 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
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: 0

Allowed during upgrade: No

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

set password system bootloader encryptHash

Use this command to configure the encrypted password in the `grub.conf` file for the system boot loader.

set password system bootloader encryptHash

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, 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 eight characters, and the system checks it for strength.

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 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 eight characters, and the system checks it for strength.

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

Note We recommend that you restart each server after the password is changed on that server.

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 Failure to reboot the servers (nodes) causes system service problems and problems with the Cisco Collaboration Communication OS (C3OS) 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 replication-sync 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 replication-sync 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 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

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 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 - 10. If no upper limit is entered, the default value of 10 is assigned to sshd_config param.
value	Acceptable values are 1 - 10.

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.

set sip-trunkbusyout disable

This command makes all SIP Trunks respond to the OPTIONS request message with a success (200 OK) message, provided there are no other error conditions. This is a cluster-wide command. A Cisco CallManager Service restart is not necessary.

set sip-trunkbusyout disable

Requirements

Command privilege level: 1

Applies to: Unified Communications Manager

Example

```
admin:set sip-trunkbusyout disable
Warning: This command has no impact if OPTIONS ping/keepalive is not enabled
in your deployment. Proceed with this operation(yes|no)? yes
```

set sip-trunkbusyout enable

This command makes all the SIP trunks respond to the OPTIONS request message with a ‘503 Service Unavailable’ error. This is a cluster-wide command. A Cisco CallManager service restart is not necessary.

set sip-trunkbusyout enable

Requirements

Command privilege level: 1

Applies to: Unified Communications Manager

Example

```
admin:set sip-trunkbusyout enable
This command makes all the SIP Trunks respond to the OPTIONS request
message with a '503 Service Unavailable error. This is a clusterwide command.
A Cisco CallManager service restart is not necessary.
******************************************************************
Warning: If OPTIONS Keepalive/Ping is enabled for peer SIP clients
such as Unified CM, IM and Presence Service, Cisco Unified Border
Element, or Unity Connection, activating this configuration renders
the SIP Trunk for this cluster non-operational on those peers. This
may result in call failures, call rerouting, and other operational
impacts. Existing calls continue to be active until it is terminated.
This command has no impact if OPTIONS ping/keepalive is not enabled
in your deployment.
******************************************************************
Proceed with this operation(yes|no)? yes
```

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

set strace enable

This command enables the service trace and sets the trace level.

set strace enable [*all*]*tracevalue* *servicename*

Syntax Description

Parameters	Description
all	Optional parameter to propagate the service trace settings change to all nodes.
tracevalue	Represents allowed trace values. Allowed trace values are [Info|Debug|Warn|Error|Fatal]
servicename	Represents the service for which the trace is enabled.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

set strace disable

This command disables the service trace.

set strace disable [*all*] *servicename*

Syntax Description

Parameters	Description
all	Optional parameter to propagate the service trace settings change to all nodes.
servicename	Represents the service for which the trace is enabled.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

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.

Note Changing the system time zone to US time zone may require system compliance to FCC Call Routing Regulations in US. Unified Communications Manager Administrator must refer the Emergency Call Routing Regulations page and complete necessary configuration.

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

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 Setting Timezone to Pacific Time

```
admin:set timezone Pac
```

set tls min-version

This command sets the minimum version of the Transport Layer Security (TLS) protocol.

Note

- Until Release 15SU2, ensure that you configure the minimum TLS version for each node. After you set the minimum TLS version, the system reboots.
- From Release 15SU2 onwards, the minimum TLS version is supported cluster-wide and any change to the Unified Communications Manager Publisher node is replicated across all other nodes in the cluster. You must also configure the minimum TLS version on IM and Presence Service separately. Ensure that you restart all the nodes in the Unified Communications Manager and IM and Presence Service clusters for the changes to take effect.

set tls min-version *tls minVersion*

Syntax Description

Parameters	Description
tls minVersion	Type one of the following options to set it as the minimum TLS version: • 1.0 • 1.1 • 1.2 • 1.3

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

Example

```
admin: set tls min-version 1.1

This command will result in setting minimum TLS version to 1.1 on all the secure interfaces.
If you have custom applications that makes secure connection to the system, please ensure
they support the TLS version you have chosen to configure.
Also, please refer to the Cisco Unified Reporting Administration Guide to ensure the
endpoints in your deployment supports this feature.

********************************************************************************************

Warning: This will set the minimum TLS to 1.1 and the server will reboot.

********************************************************************************************

Do you want to continue (yes/no) ? yes

Successfully set minimum TLS version to 1.1

The system will reboot in few minutes.
```

Example (Applicable from Release 15SU2 Onwards)

```
admin:set tls min-version 1.3

This command will result in setting minimum TLS version to 1.3 on all the secure interfaces.
If you have custom applications that makes secure connection to the system, please ensure
they support the TLS version you have chosen to configure.
Also, please refer to the Cisco Unified Reporting Administration Guide to ensure all the
endpoints in your deployment supports this feature

********************************************************************************

Warning: This will set the minimum TLS to 1.3 across all the callmanager nodes  in the
```

```
cluster. Please reboot all the nodes in the cluster using utils system restart for updated
 minimum TLS value to take affect.


The Authenticated mode for Phone Security Profile and SIP Trunk Security Profile will not
work when the system is set to minimum TLS 1.3.


NOTE:- This will set minimum TLS version for CallManager only. Please ensure to set the
desired minimum TLS version in IM & Presense publisher.

********************************************************************************

Do you want to continue (yes/no) ? yes

Successfully set minimum TLS version to 1.3
```

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: Unified Communications Manager, IM and Presence Service on 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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

set tlsresumptiontimeout

This command sets the number of seconds after which TLS resumption will not work and sessions are invalidated.

set tlsresumptiontimeout *seconds*

Syntax Description

Parameters	Description
seconds	Enter a value up to 3600 seconds. The TLS sessions are invalid after the configured value.

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.

set tlstrace*

Unified Communications Manager Release 11.0 onwards, you can enable or disable TLS tracing for services. Currently, Tomcat is the only supported service. Use the CLI commands to view the reasons of connection failure of TLS connections to Unified Communications Manager.

Following TLS-based CLI commands are added for TLS tracing:

set tlstrace disable

This CLI command disables the TLS tracing for a service.

set tlstrace disable *service*

Syntax Description

Parameters	Description
service	Specifies the service that you use to disable TLS tracing.

Command Modes

Administrator (admin:)

Example

```
admin:set tlstrace disable tomcat
TLS tracing is disabled for: tomcat
```

Requirements

Command privilege level: 1

Allowed during upgrade: No

set tlstrace enable

This CLI command enables the TLS tracing for a service.

set tlstrace enable *service*

Syntax Description

Parameters	Description
service	Specifies the service that you use to enable TLS tracing.

Command Modes

Administrator (admin:)

Example

```
admin:set tlstrace enable tomcat
TLS tracing is enabled for: tomcat
```

Requirements

Command privilege level: 1

Allowed during upgrade: No

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. **Note** For OU's that already contains a backslash, do not enter one more backslash as SLM registration and CSR generation fails during the time of installation.
orgname	Represents the organizational name.
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. You can use alternatehostname to set subject alternate hostname for self signed certificates. Subject alternate hostname for CSR is defined in the Certificate Management page. If you have set the alternate hostname for CSR using this command, the CSR generation process replaces the set alternate hostname.

Note The set web-security command when adding in the alternate hostname will apply and will be added to all future generated CSR's including, Tomcat, CallManager, CAPF, TVS, and IPsec.

Command Modes

Administrator (admin:)

Usage Guidelines

In case you are planning to rebuild the Unified CM server, ensure that you should use the same OU subject parameters. Else, this will create discrepancies when you execute the command **show web-security**. This is

because the platformConfig.xml file will not have the saved parameters information provided before the rebuild as this file is not backed up during DRS backup.

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.

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 web-security "Voice\Video" "Cisco" "RTP" NC
```

set webapp session timeout

This command sets the time, in minutes, that can elapse before a web application, such as 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

set webapp session maxlimit

This command sets the maximum limit for concurrent web application sessions per user. This applies to the following interfaces:

- Cisco Unified CM Administration
- Cisco Unified Serviceability
- Cisco Unified Reporting
- Cisco Unified Communications Self Care Portal
- Cisco Unified CM IM and Presence Administration
- Cisco Unified IM and Presence Serviceability
- Cisco Unified IM and Presence Reporting

For the session maximum limit setting to become effective, the administrator must restart the Cisco Tomcat service.

Caution Restarting the Cisco Tomcat service ends all active sessions and can affect the 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 maxlimit *number*

Syntax Description

Parameters	Description
number	Specifies the number to limit the concurrent web application sessions. The value ranges from 1 to 10. Default value is 10. If the **utils EnhancedSecurityMode** is enabled, then the session limit is restricted to 3. For more details on how to Configure Enhanced Security Mode, see the "FIPS 140-2 Mode Setup" chapter in the *Security Guide for Cisco Unified Communications Manager, Release 11.5(1)SU1* at https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html. **Note** • When you exceed the defined sign-in sessions maximum limit, then the interface sign-in page displays the Logon Status message as: `The Session limit has already been reached for <username>. Please logout from those sessions or wait 30 minutes for inactive sessions to be automatically closed.` • When Enhanced Security Mode is enabled, then the session limit is restricted to 3. However, Administrator can change the session limit using the **set webapp session maxlimit** command to any value ranging from 1 to 10.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

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

Example

This example details on how to **set webapp session maxlimit** to 4:

```
admin:set webapp session maxlimit 4

**********************************W A R N I N G***********************************
The Cisco Tomcat service needs to be restarted for the changes to take effect.This will
disconnect active web sessions and all web applications on this node will be unavailable
until the service restarts.This service restart will take several minutes to complete.
Do you want to continue (yes/no) ? yes

*************Restarting Tomcat***************
Service Manager is running
Cisco Tomcat[STOPPING]
Cisco Tomcat[STOPPING]
Cisco Tomcat[STOPPING]
Cisco Tomcat[STOPPING]
Cisco Tomcat[STARTING]
Cisco Tomcat[STARTING]
Cisco Tomcat[STARTED]
The webapp session limit has been successfully set to 4.
```

This example details on how to enable **utils EnhancedSecurityMode**:

```
admin:utils EnhancedSecurityMode enable

The system is operating in NON-FIPS and NOT operating in Enhanced Security Mode.

Enhanced Security Mode can be enabled only when the system is operating in FIPS mode
Do you wish to enable  FIPS mode as well (yes/no) ? yes

Warning : This operation will modify the password policies

1)Password Length should be between 14 to 127 characters.
2)Password should have at least 1 lowercase, 1 uppercase, 1 digit and 1 special character.
3)Any of the previous 24 passwords cannot be reused.
4)Minimum age of the password is 1 day and Maximum age of the password is 60 days.
5)Any newly generated password's character sequence will need to differ by at least 4
characters from the old password's character sequence.

Warning : This mode will limit the total number of concurrent web application sessions to
3.

******************************************************************
This will change the system to Enhanced Security Mode and will reboot
******************************************************************
Do you want to continue (yes/no) ? yes
The protocol for communication with remote syslog server is already set to tcp. No changes
 required.


The system is already operating in contact search authentication enable mode; no change
required. Exiting.

The concurrent web application session limit has been successfully set to 3.

Setting password restrictions as part of Enhanced Security Mode enable

Calling fips enable

Security Warning : The operation will regenerate certificates for

1)CallManager
2)Tomcat
3)IPsec
4)TVS
5)CAPF
6)SSH
7)ITLRecovery

Any third party CA signed certificates that have been uploaded for the above
components will need to be re-uploaded.
If the system is operating in mixed mode, then the CTL client needs to be run
again to update the CTL file.
If there are other servers in the cluster, please wait and do not change the
FIPS settings on any other node until the FIPS operation on this node is complete
and the system is back up and running.
******************************************************************************
This will change the system to FIPS mode and will reboot.
******************************************************************************
```

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.
directory	Represents the current working directory.

Command Modes

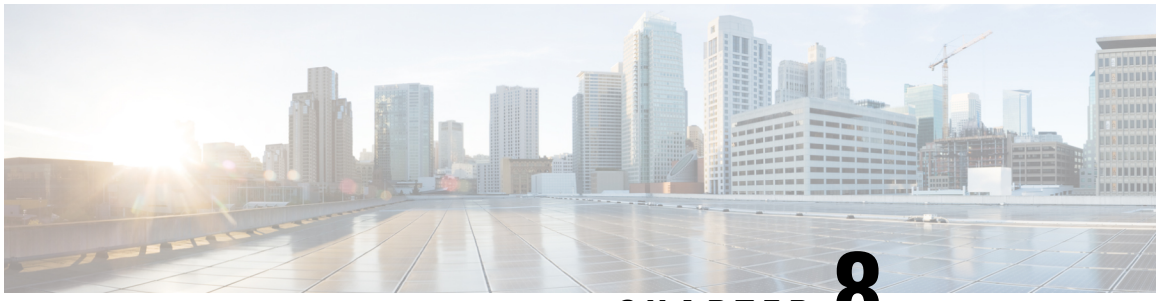
Administrator (admin:)

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.



CHAPTER 8

Show Commands

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show account

This command lists current administrator accounts.

show account

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

Example

```
admin:show accountlocking
Account Lockout is enabled
Unlock Time : 300 seconds
Retry Count : 3 attempts
```

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

show cert default-ca-list

This command displays all the default CA certificates, which are bundled with Unified Communications Manager and IM and Presence Service.

show cert default-ca-list

Command Modes

Administrator (admin:)

Requirements

Applies to: Unified Communications Manager and IM and Presence Service.

Example

```
admin:show cert default-ca-list

Common Name                  Trust Stores              Purpose

"VeriSign Class 3            tomcat-trust              This certificate is used by UCM
Secure Server CA - G3"                                 to communicate with Cisco if
                                                       Call-Home feature is enabled.

"CAP-RTP-002"                CallManager-trust,        This certificate was used to
                             CAPF-trust                sign the MIC installed on Cisco
                                                       endpoint.Presence of this
                                                       certificate allows the end point
                                                       to communicate securely with UCM
                                                       using the MIC when associated
                                                       with a secure profile

"Cisco Manufacturing         CallManager-trust,        This certificate was used to
CA"                          CAPF-trust                sign the MIC installed on Cisco
                                                       endpoint. Presence of this
                                                       certificate allows the end point
                                                       to communicate securely with UCM
                                                       using the MIC when associated
                                                       with a secure profile.

"CAP-RTP-001"                CallManager-trust,        This certificate was used to
                             CAPF-trust                sign the MIC installed on Cisco
                                                       endpoint. Presence of this
                                                       certificate allows the end point
                                                       to communicate securely with UCM
                                                       using the MIC when associated
                                                       with a secure profile

"ACT2 SUDI CA"               CallManager-trust,        This certificate was used to
                             CAPF-trust                sign the MIC installed on Cisco
                                                       endpoint. Presence of this
                                                       certificate allows the end point
                                                       to communicate securely with UCM
                                                       using the MIC when associated
                                                       with a secure profile.

"Cisco Manufacturing         CallManager-trust,        This certificate was used to
CA SHA2"                     CAPF-trust                sign the MIC installed on Cisco
                                                       endpoint. Presence of this
```

		certificate allows the end point to communicate securely with UCM using the MIC when associated with a secure profile.
"Cisco Root CA 2048"	CallManager-trust, CAPF-trust	This certificate was used to sign the MIC installed on Cisco endpoint. Presence of this certificate allows the end point to communicate securely with UCM using the MIC when associated with a secure profile.
"Cisco Root CA M2"	CallManager-trust, CAPF-trust	This certificate was used to sign the MIC installed on Cisco endpoint. Presence of this certificate allows the end point to communicate securely with UCM using the MIC when associated with a secure profile.

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

Example

```
admin:cert list own
```

show cert list type

This command displays the available selected type certificate files.

show cert list type {**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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

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

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: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

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

show csr list

This command displays Certificate Sign Request contents.

show csr list

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade:

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

Example

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

Example

```
admin: show csr list
No Certificate Sign Request available for display
```

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

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_nametable_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_nametable_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_nameview_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.
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_nameview_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 speechview registration certificate size

This command displays the current certificate bit size used for Speech to Text service registration and Voicemail transcription with Nuance server.

show cuc speechview registration certificate size

Command Modes

Administrator (admin:)

Usage Guidelines

To view the current certificate bit size, use the **show cuc speechview registration certificate size** (Cisco Unity Connection Only) command.

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection only.

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.

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:)

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 -
```

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

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

show environment fans

This command shows the status of the fan sensors.

show environment fans

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 environment power-supply

This command shows the status of the power supply for MCS-7845, MCS-7835, MCS-7825H3/H4, and MCS-7816H3 servers—those with redundant power supply or embedded health hardware.

show tlstrace

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 environment temperatures

This command retrieves the status of the temperature sensors.

show environment temperatures

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 fileserver transferspeed

This command shows the reading and writing speed between the IM and Presence Service node and the external file server. It involves copying a large file onto the mounted directory and then copying it back onto the node. As a result, this command may have a performance impact on the node from which it is run.

show fileserver transferspeed

Command Modes

Administrator (admin:)

Requirements

Applies to: IM and Presence Service on Unified Communications Manager.

Example

```
admin:show fileserver transferspeed

WARNING: This command involves copying a large file to and from the mounted directory. It
can impact the performance of the system.

Do you want to continue? (y/n):y

Creating a file to perform the test, please wait...

Copying the file onto the mounted file system. Please note the writing speed recorded below.
262144+0 records in
262144+0 records out
1073741824 bytes (1.1 GB) copied, 28.9302 s, 37.1 MB/s

Copying the file from the mounted file system. Please note the reading speed recorded below.
262144+0 records in
262144+0 records out
1073741824 bytes (1.1 GB) copied, 67.7504 s, 15.8 MB/s

Clean-up finised
admin:
```

show haproxy client-auth

This command displays the client authentication configured on the specified port.

show haproxy client-auth *portnum*

Parameter	Description
portnum	Enter the port number to view the client authentication configured on the specified port. **Note** The supported port numbers are 6971, 6972 and 9443.

Command Modes Administrator (admin:)

Usage Guidelines Administrator can execute the **help show haproxy client-auth <portnum>** command to view the help content.

Requirements

Command privilege level: 0

Applies to: Unified Communications Manager

Example

```
admin:show haproxy client-auth 9443

Client authentication on the port 9443 is currently set to optional

admin:show haproxy client-auth 9456
Enter valid values for the port.
Suggested values are 6971, 6972 and 9443
Executed command unsuccessfully

admin:help show haproxy client-auth 9443
show haproxy client-auth help:
This command will display client-auth for the specified port.
Example:
admin:show haproxy client-auth 6971
Client authentication on the port 6971 is currently set to required.
```

show hardware

This command displays hardware-related information about the platform.

Note The output of some fields will vary by hypervisor, depending on the information reported to the workload by the hypervisor.

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

show http min-version

This command shows the minimum configured version for all the inbound and outbound HTTP requests.

show http min-version

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 Unity Connection

show ipsec information

This command displays detailed information about the specified ipsec policy.

show ipsec information {*policy_grouppolicy_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: Unified Communications Manager and IM and Presence Service on 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: 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: 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: Unified Communications Manager and IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection

show logins

This command lists recent logins to the server

show login [*number*]

Syntax Description

Parameters	Description
number	Specifies the number of the most recent logins to display. The default is 20.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show logins successful

This command shows the previous successful logins.

show logins successful [*last n*]

Syntax Description

Parameters	Description
last n	(Optional) Represents the last number of logins. By default, the value of this variable is 20.

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 logins unsuccessful

Use this command to list recent unsuccessful login attempts to the following web applications:

- On Unified Communications Manager
  - Disaster Recovery System

- Cisco Unified OS Administration

- On IM and Presence Service
  - IM and Presence Disaster Recovery System
  - 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 Unified Communications Manager and IM and Presence Service

show key authz encryption

Run this command on any Unified Communications Manager node to view the OAuth signing key checksum that Unified Communications Manager uses to authenticate Cisco Jabber clients.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager and the IM and Presence Service.

show key authz signing

Run this command on any Unified Communications Manager node to view the OAuth signing key checksum that Unified Communications Manager uses to authenticate Cisco Jabber clients.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager and the IM and Presence Service.

show license all

This command displays license status, license usage, UDI, and the agent version.

show license all

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license status

This command displays the smart licensing status.

show license status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license summary

This command displays the smart licensing status and the license usage details.

show license summary

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license tech support

This command displays smart licensing status, product information, and product version.

show license tech support

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license trace

This command traces the content of smart agent-related logs to the console.

show license trace

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license UDI

This command displays all members in the Unique Device Identification(UDI) structure that are not NULL. Following are the list of UDI instances displayed for Unified Communications Manager:

- PID—Product Identifier
- SN—Serial Number
- UUID—Universal Unique Identifier

show license UDI

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show license usage

This command displays the entitlements that are currently in use.

show license usage

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

show Login Grace Timeout

This command shows the login Grace Timeout.

show Login Grace Timeout

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 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

Command privilege level: 1

Allowed during upgrade: Yes

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

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: 0

Allowed during upgrade: Yes

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

show network cluster

This command lists nodes in the network cluster and also shows the remaining timer value when you enable Dynamic Cluster Configuration.

show network cluster

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 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

Applies to: 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: 0

Allowed during upgrade: Yes

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

show network ntp option

This command displays the security option that is configured in the `/etc/config` file.

show network ntp option

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 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: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

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

Example

This example displays active internet connections.

```
admin: show network status
```

show network name-service attributes

This command displays name service cache general attributes.

show network name - service attributes

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Example:

```
admin:show network name-service hosts attributes
enable-cache                yes
positive-time-to-live       3600
negative-time-to-live       20

Successful
```

show network name-service cache-stats

This command displays name service cache statistics.

show network name-services[**host**][**services**] **cache-stats**

Syntax Description

Parameters	Description
hosts	host services cache.
services	services service cache.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Example:

```
admin:show network name-service hosts cache-stats
yes  cache is enabled
             no  cache is persistent
            yes  cache is shared
            211  suggested size
         216064  total data pool size
            272  used data pool size
           3600  seconds time to live for positive entries
             20  seconds time to live for negative entries
              0  cache hits on positive entries
              0  cache hits on negative entries
              2  cache misses on positive entries
              0  cache misses on negative entries
              0% cache hit rate
              2  current number of cached values
              2  maximum number of cached values
              0  maximum chain length searched
              0  number of delays on rdlock
              0  number of delays on wrlock
              0  memory allocations failed
            yes  check /etc/hosts for changes

Successful
```

show network name-service {hosts|services} attributes

This command displays name service cache attributes.

show networkname - service{hosts|services} attributes

Syntax Description

Parameters	Description
hosts	hosts services cache.
services	services service cache.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Example:

```
admin:show network name-service hosts attributes
enable-cache                yes
positive-time-to-live       3600
negative-time-to-live       20
suggested-size              211
persistent                  no
max-db-size                 33554432

Successful
```

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

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

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

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: No

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

show password complexity character

This command displays the status of the password complexity rules—whether they are disabled or enabled. If the password complexity rules are enabled, this command displays the shows their current configuration.

show password complexity character

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 password complexity length

This command displays the minimum length of passwords that need to be used for Cisco OS administrator accounts. The default minimum length of a password is eight characters.

show password complexity length

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

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
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 Unified Communications Manager.

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 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: Unified Communications Manager, IM and Presence Service on 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 non instance-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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

Example

```
admin: show perf query path "Cisco Phones(phone-0)\CallsAttempted","Cisco Unified
Communications Manager\T1ChannelsActive"
```

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

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 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.
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

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 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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

show process name process-name

The command shows the details of processes that share the same name. This commands displays parent-child relationship.

show process name *process name* [**file vm detail cont**]

Syntax Description

Parameters	Description
process name	Specifies the name of a process.
file	(Optional) Shows the file name where the output is to be received.
vm	(Optional) Shows the virtual memory of the process.
detail	(Optional) Shows the details, such as page fault, virtual memory, and start time of the process.
cont	(Optional) Repeats the command continuously.

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 process open

This command lists the open file descriptors for a comma separated list of process IDs.

show process open file

Syntax Description

Parameters	Description
file	(Optional) Shows the file name where the output is to be received.

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 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

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 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: Unified Communications Manager, IM and Presence Service on 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

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 process user

This command retrieves details of processes that share the user name and displays parent-child relationship.

show process user *username* [**file** *detail detail detail cont*]

Syntax Description

Parameters	Description
username	Specifies the username.
file *filename*	Outputs the results to the file that is specified by *filename*.
vm	(Optional) Shows the virtual memory of the process.
detail	(Optional) Shows the details, such as page fault, virtual memory, and start time of the process.

Parameters	Description
cont	(Optional) Repeats the command continuously.

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 process using-most cpu

This command displays a list of the most CPU-intensive processes.

show process using-most cpu [*number*] [**file** *filename* | [**cont**]]

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*.
cont	Repeats the command continuosly.

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 process using-most memory

This command displays a list of the most memory-intensive processes.

show process using-most memory [*number*] [**file** *filename* | [**cont**]]

Syntax Description

Parameters	Description
number	Specifies the number of processes to display. The default specifies 5.

Parameters	Description
file *filename*	Outputs the results to the file that is specified by *filename*.
cont	Repeats the command continuously.

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 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: Unified Communications Manager, IM and Presence Service on 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 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: Yes

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

show smtp

This command displays the name of the SMTP host.

show smtp

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

Example

```
admin:show smtp
SMTP hostname: mail.cisco.com
```

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

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

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 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

Command privilege level: 1

Allowed during upgrade: Yes

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

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 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

Command privilege level: 1

Allowed during upgrade: Yes

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

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 tech dbhighcputasks

This command displays the currently running high cost tasks and high CPU-intensive tasks.

show tech dbhighcputasks

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 tech dbintegrity

This command displays the database integrity.

show tech dbintegrity

Command Modes

Administrator (admin:)

Requirements

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

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 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: Unified Communications Manager, IM and Presence Service on 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

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 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

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

show tech network interfaces

This command displays information about the network interfaces.

Note The output of some fields will vary by hypervisor, depending on the information reported to the workload by the hypervisor.

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

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 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: Unified Communications Manager, IM and Presence Service on 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.
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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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

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 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

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 tech prefs

This command displays database settings.

show tech prefs

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 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

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 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

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 tech routepatterns

This command displays the route patterns that are configured for the system.

show tech routepatterns

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 tech routeplan

This command displays the route plans that are configured for the system.

show tech routeplan

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 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.

Parameters	Description
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

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

show tech sqlhistory

This command prints the history of SQL statements executed.

show tech sqlhistory

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 tech systables

This command displays the name of all tables in the sysmaster database.

show tech systables

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 tech system

This command displays all the system information.

Note The output of some fields will vary by hypervisor, depending on the information reported to the workload by the hypervisor.

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

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 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

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 tech triggers

This command displays table names and the triggers that are associated with those tables.

show tech triggers

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 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

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 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: Unified Communications Manager, IM and Presence Service on 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**, Unified Communications Manager does not support the **Factory** timezone.

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 tls trace

This command shows the status of TLS trace for a service.

show tls trace [*service*]

Syntax Description

Parameters	Description
service	Represents the TLS tracing status of a service. It is a mandatory parameter.

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 tls min-version

This command shows the minimum configured version of Transport Layer Security (TLS) protocol.

show tls min-version

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

Example

```
admin:show tls min-version
Configured TLS minimum version: 1.0
```

show tlsresumptiontimeout

This command shows the TLS session resumption timeout.

show tlsresumptiontimeout

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

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

show vos version

With Unity Connection 12.0(1) and later, Unity Connection supports a specific ISO that is separated from the Unified CM ISO. However, Unity Connection will provide all the latest VOS changes. To see the VOS version integrated with Unity Connection ***show vos version*** CLI is introduced.

This command displays the VOS version stored in the active and inactive partitions. If there is no VOS version in the inactive partition, it displays "**VOS version not available**".

For more information, see "Support for Cisco Unity Connection ISO" section of the *Release Notes for Cisco Unity Connection 12.0(1)* available at http://www.cisco.com/c/en/us/support/unified-communications/unity-connection/products-release-notes-list.html

show vos version

Command Modes

Administrator (admin:)

Usage Guidelines

This command always displays the VOS version in the active partition. If the active partition contains an upgrade, the command also shows the VOS version in the inactive partition.

Note If you are upgrading from Cisco Unity Connection 11.5(1) or earlier version to 12.0(1) or later, the inactive partition does not contain the information of VOS version.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Cisco Unity Connection

Example

```
admin:show vos version
Active version: 12.0.1.10000-1
Inactive version: VOS version not available
```

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

show logins unsuccessful

Use this command to list recent unsuccessful login attempts to the following web applications:

- On Unified Communications Manager
  - Disaster Recovery System
  - Cisco Unified OS Administration
- On IM and Presence Service

- IM and Presence Disaster Recovery System
- 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

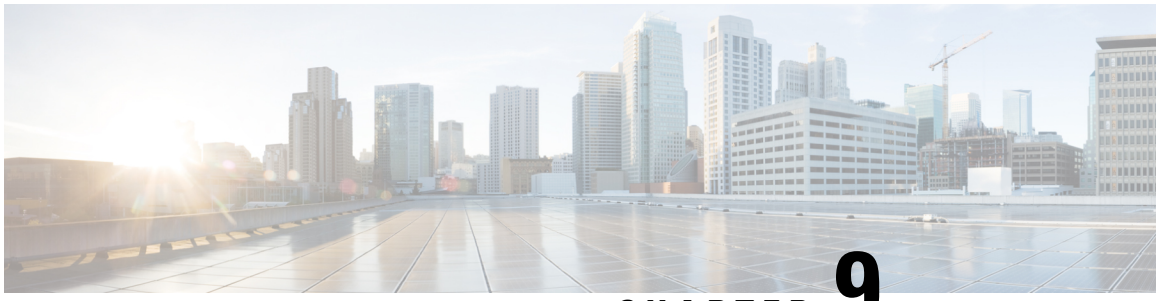
Administrator (admin)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to Unified Communications Manager and IM and Presence Service



CHAPTER 9

Unset Commands

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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: Unified Communications Manager, IM and Presence Service on 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_group* *policy_name*

Syntax Description

Parameters	Description
policy_group	Specifies the name of a particular ipsec policy group to disable.
policy_name	Specifies the policy name to disable.

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

unset network cluster subscriber details

This command shows the message that you need to delete a subscriber node from the GUI instead of the command prompt.

unset network cluster subscriber details

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

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

Message to delete the subscriber from GUI

```
admin: unset network cluster subscriber details
Please use the Cisco Unified Communications Manager on the first node.
Navigate to System > Server and click “Find”.
   Unable to del: NULL
Executed command unsuccessfully.
```

unset network cluster subscriber dynamic-cluster-configuration

This command disables Dynamic Cluster Configuration on the publisher. The value of **Dynamic Cluster Configuration** option is set to zero on publisher.

unset network cluster subscriber dynamic-cluster-configuration

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

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.

Usage Guidelines Running this command causes an automatic system restart.

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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 ntp options

This command unsets the domain name and restarts the server.

unset network ntp options

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

unset network ipv6 gateway

This command unsets the IPv6 gateway on the server.

unset network ipv6 gateway [*reboot*]

Syntax Description

Parameters	Description
reboot	Reboots the server after applying the change. **Note** By default, the reboot on the server does not happen.

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

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

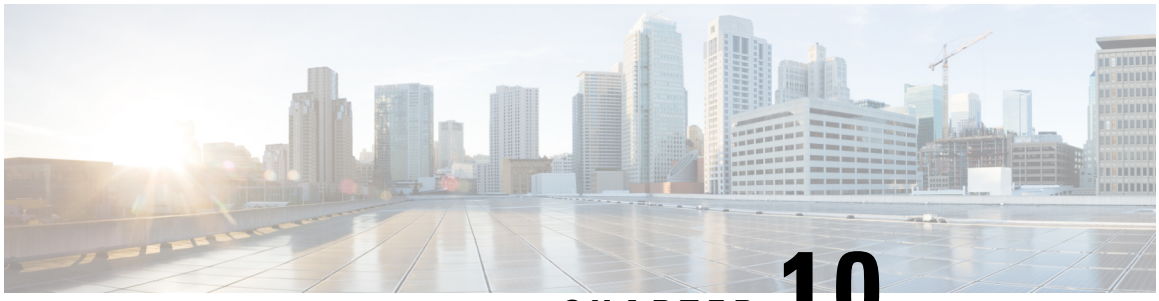
Command privilege level: 1

Allowed during upgrade: No

Applies to: 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 10

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. We recommend 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

utils BE6000Mode enable

Run this command to enable BE6000 mode on Unified Communications Manager.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager

utils BE6000Mode disable

Run this command to disable BE6000 mode on Unified Communications Manager.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager

utils BE6000Mode status

Run this command to see the Status of BE6000 mode on Unified Communications Manager.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager

utils branding enable

Run this command to enable branding on this node.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

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

utils branding disable

Run this command to disable branding on this node.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

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

utils branding status

Run this command to see the status of whether branding is enabled or disabled on this node.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

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

utils contactsearchauthentication disable

This command disables the secure contact search authentication mode. After this mode is disabled, you need to reset the phone for the changes to take effect.

utils contactsearchauthentication disable

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

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

utils contactsearchauthentication enable

This command enables the secure contact search authentication mode. After this mode is enabled, reset the phone for the changes to take effect.

utils contactsearchauthentication enable

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

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

utils contactsearchauthentication status

This command shows whether the system is operating in contact search authentication enable mode or contact search authentication disable mode.

utils contactsearchauthentication status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

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

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

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

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: Unified Communications Manager

utils capf set keep_alive

Run this command to set the keep_alive timer for all connections between the Certificate Authority Proxy Function (CAPF) service and endpoints. The system default is 15 minutes.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Unified Communications Manager

utils capf stale-lsc

utils capf stale-lsc {**delete** | **list**}

This command helps you manage your system's stale LSC certificates.

Syntax Description

Parameters	Description
delete	Deletes all stale LSC certificates from your system.
list	Lists all stale LSC certificates on the system.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: 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.

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

utils create report database

This command collects all log the files that are needed for database troubleshooting.

utils create report {**hardware** | **platform** | **security**}

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

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 and Autoregistration is active. You need to confirm your action. **Note** To enable mixed-mode, ensure that the Communications Manager is registered with the Cisco Smart Software Manager or Cisco Smart Software Manager satellite and the Registration Token received from the Smart account or Virtual account has Allow export-controlled functionality enabled while registering with this cluster.
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. **Note** To update the CTLFile in mixed-mode, ensure that the Unified Communications Manager is registered with the Cisco Smart Software Manager or Cisco Smart Software Manager satellite and the Registration Token received from the Smart account or Virtual account has Allow export-controlled functionality enabled while registering with this 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 Ensure that you reset all the Encrypted and Authenticated phones for the CTL file updates to take effect.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager.

utils ctl reset localkey

This command is used to regenerate the CTL file and sign it with the secondary SAST role (CallManager). Use this command when the ITLRecovery certificate that was used to sign the original CTL file has changed and the endpoints are locked out.

utils ctl reset {**localkey**}

Syntax Description

localkey	Generates a new CTL file, updates the CTL file on the publisher. The command signs the CTLfile with CallManager key.

Command Modes

Administrator (admin:)

Usage Guidelines

Note

- You must run this command on the Unified Communications Manager publisher node.
- After the endpoints receive the new CTL file, which is signed by CallManager Key and contains the new ITLRecovery certificate, execute the CTL update command (utils ctl update CTLFile) again to sign it with the ITLRecovery certificate. The CTL file is regenerated but signed by the new ITLRecovery certificate, which is now trusted by the endpoint.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager

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 auto ITL download

This command allows Unity Connection to disable the functionality of automatically downloading CallManager certificate for Cisco Unity Connection.

utils cuc auto ITL download { enable | disable | status }

Syntex Description

Parameters	Description
enable	Enables the functionality of automatically downloading the CallManager certificates on port-group reset. By default, the functionality is enabled.
disable	Disables the functionality of automatically downloading the CallManager certificates. When disabled, you need to upload the certificates manually.
status	Displays the status of the functionality.

Note In case of a cluster, the CLI commands are executed only on publisher server.

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Cisco Unity Connection

Example

```
admin:utils cuc auto ITL download enable
After successful execution,Unity Connection will download trust list from the TFTP server
automatically.
For this, you must do the following:

1.Configure TFTP server for Next Generation enabled port groups through Cisco Unity Connection
 Administration
2. Restart the Connection Conversation Manager on all nodes in the cluster
Auto downloading of ITL enabled successfully
```

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. SSH connection from client work station to the server should be kept open until overwrite db procedure completes. 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 dbreplication 01_tear_down

This command breaks the replication and connectivity between two Unity Connection servers in a cluster. Running this command on both the servers ensures ideal cleanup before establishing a good replication between the servers.

utils cuc dbreplication 01_tear_down

Command Modes

Administrator (admin:)

Usage Guidelines

In case of long Unity Connection database CDR queue buildup, this command cleans the buildup for providing clean ground to establish server connectivity and replication between the two servers in the cluster.

Note It is recommended to :

- Take the system backup before running the command.
- Collect the screen log information along with command line logs if the command fails and escalate it to Cisco TAC.
- Ensure that only Cisco TAC runs the command.
- Run the command on the server with obsolete data as the synchronization process deletes the data that clashes with the information on the other server.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc dbreplication 02_define_servers

This command establishes the network connectivity between the two Unity Connection servers in a cluster.

utils cuc dbreplication 02_define_servers

Command Modes

Administrator (admin:)

Usage Guidelines

You can use this command to track and report the CDR traffic from one server to another in a Unity Connection cluster. During SBR process, this command helps in defining the roles of the two server in a cluster.

Note It is recommended to :

- Take the system backup before running the command.
- Collect the screen log information along with command line logs if the command fails and escalate it to Cisco TAC.
- Ensure that only Cisco TAC runs the command.
- Run the command on the server with obsolete data as the synchronization process deletes the data that clashes with the information on the other server.

Note You should run this command on the server that has obsolete data in a Unity Connection cluster.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc dbreplication 03_define_db_template

This command creates the replication record of the set of tables in Unity Connection databases for replication synchronization. This command also negotiates the table templates of Unity Connection database on which the replication scheme needs to be established.

utils cuc dbreplication 03_define_db_template

Command Modes

Administrator (admin:)

Usage Guidelines

This command lists all the tables and defines templates on basis of which the data is negotiated and synchronized between the two servers in a Unity Connection cluster.

Note It is recommended to :

- Take the system backup before running the command.
- Collect the screen log information along with command line logs if the command fails and escalate it to Cisco TAC.
- Ensure that only Cisco TAC runs the command.
- Run the command on the server with obsolete data as the synchronization process deletes the data that clashes with the information on the other server.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc dbreplication 04_sync_database

This command synchronizes the database from the remote server to the server on which the command is executed.

utils cuc dbreplication 04_sync_database

Command Modes

Administrator (admin:)

Usage Guidelines

You should run this command on the server that has obsolete data in a Unity Connection cluster to copy the recent data from the remote server on the current server.

Note It is recommended to :

- Take the system backup before running the command.
- Collect the screen log information along with command line logs if the command fails and escalate it to Cisco TAC.
- Ensure that only Cisco TAC runs the command.
- Run the command on the server with obsolete data as the synchronization process deletes the data that clashes with the information on the other server.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc dbreplication reset_all

This command performs all the tasks, such as tear down and defining servers required to reset database replication between the two servers in a Unity Connection cluster.

utils cuc dbreplication reset_all

Command Modes

Administrator (admin:)

Usage Guidelines

This command executes the following commands sequentially to successfully reset database replication between the two servers in a Unity Connection cluster:

- utils cuc dbreplication01_tear_down
- utils cuc dbreplication 02_define_servers
- utils cuc dbreplication 03_define_db_template
- utils cuc dbreplication 04_sync_database

Note It is recommended to :

- Take the system backup before running the command.
- Collect the screen log information along with command line logs if the command fails and escalate it to Cisco TAC.
- Ensure that only Cisco TAC runs the command.
- Run the command on the server with obsolete data as the synchronization process deletes the data that clashes with the information on the other server.

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Cisco Unity Connection

utils cuc encryption

This command enables, disables and provides the status of the encryption on Cisco Unity Connection.

utils cuc encryption { enable | disable | status }

Syntex Description

Parameters	Description
enable	Enables the encryption on Unity Connection. When enabled, Unity connection allows you to use the security features.

Parameters	Description
disable	Disables the encryption on Unity Connection. When disabled, you can not use the security features in Unity Connection.
status	Displays the encryption status of the Unity Connection.

Usage Guidelines

When you enable the encryption on Unity Connection, make sure the following:

- The Cisco Unity Connection is registered with Cisco Smart Software Manager (CSSM) or Cisco Smart Software Manager satellite.
- Export Control Functionality is enabled for the product.

For more information on how to register and enable the Export Control Functionality for Cisco Unity Connection, see " Configuring Cisco Smart Software Licensing in Unity Connection" section of "Managing Licenses" chapter of *Install, Upgrade and Maintenance Guide for Cisco Unity Connection Release 12.x* available at "https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/connection/12x/install_upgrade/guide/b_12xcuciumg.html".

Note In case of cluster, the CLI is executed only on publisher server.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Cisco Unity Connection

Example

```
admin:utils cuc encryption enable
After successful execution, restart the following services on all nodes in the cluster

1.Connection Conversation Manager
2.Connection IMAP Server

Do you want to proceed (yes/no)? yes
Encryption enabled successfully
```

utils cuc hwconfig update

This CLI command updates the configuration dependencies of Connection Notifier service when the virtual hardware configuration that is vCPU or vRAM are modified as per supported OVA configurations.

For supported OVA configurations, see Virtualization for Cisco Unity Connection (CUC).

utils cuc hwconfig update

Command Modes

Administrator (admin:)

Usage Guidelines

1. You should execute this CLI on Unity Connection node after performing the hardware configuration changes on virtual machines.Configuration applies to below OVA changes.
   - 4vCPU 6GB vRAM configuration is increased to 7vCPU 10GB vRAM.
   - 7vCPU 8GB vRAM configuration is increased to 7vCPU 10GB vRAM.
2. In case of cluster, this CLI should be executed on both nodes.
3. Restart Connection Notifier service on primary node of cluster after successful configuration changes.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection.

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 enable the SSL on the Jetty Server for notifications.

utils cuc jetty ssl enable

Usage Guidelines

When you enable the SSL on the Jetty server, make sure the following:

- You are using the Restricted version of Cisco Unity Connection.
- The encryption is enabled on the Cisco Unity Connection.

Note In Evaluation Mode, you are not allowed to run the CLI command.

For more information, see "Cisco Unity Connection- Restricted and Unrestricted Version" chapter of Security Guide for Cisco Unity Connection Release 12.x available at https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/connection/12x/security/b_12xcucsecx.html.

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 licensing reset udi

This command resets the Cisco Unity Connection Server Product UDI. After the successful execution of the CLI, registration with CSSM needs to be performed again.

utils cuc licensing reset udi

Command Modes

Administrator (admin:)

Usage Guidelines

Administrator can execute **utils cuc licensing reset udi** command. It resets the Product UDI and restarts the **Connection Smart License Manager Service** upon successful execution.

Note This CLI command is allowed to run on Publisher only as Licensing of this system are managed by Publisher.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to: Cisco Unity Connection.

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 odbc non-secure enable

Use this CLI command to enable the non-secure port 20532 on the node. By default port 20532 is enabled.

utils cuc odbc non-secure enable

Command Modes Administrator (admin:)

Usage Guidelines In case of cluster, this CLI should be executed on both the nodes.

Requirements

Command privilege level: 4

Applies to: Cisco Unity Connection.

utils cuc odbc non-secure disable

Use this CLI command to disable the non-secure port 20532 on the node.

utils cuc odbc non-secure disable

Command Modes Administrator (admin:)

Usage Guidelines In case of cluster, this CLI should be executed on both nodes.

Requirements

Command privilege level: 4

Applies to: Cisco Unity Connection.

utils cuc odbc non-secure status

Use this CLI command to see the status of non-secure odbc port whether it is enabled or disabled on the node.

utils cuc odbc non-secure status

Command Modes Administrator (admin:)

Requirements

Command privilege level: 4

Applies to: Cisco Unity Connection.

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 container-engine start

This command starts the docker engine.

utils container-engine start

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection.

utils container-engine stop

This command stops the container engine.

utils container-engine stop

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection.

Note All the containers will be undeployed.

utils container-engine restart

This command restarts the container engine.

utils container-engine restart

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection.

utils container-engine status

This command shows the containers and it's states on the server when container-engine is running. Additionally displays PIDs and usage of CPU, MEM, I/O for running containers.

utils container-engine status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and 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

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence Service on 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 before you run the **utils dbreplication repair** command several times; but the utils dbreplication status command still shows non-dynamic tables that aren't in sync.

Note Don't run this command if only dynamic tables are out of sync; dynamic tables can be out of sync during normal system operation.

You can run this command only 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.

Reboot the subscriber node after the **utils dbreplication forcedatasyncsub** command is executed.

Note Cisco DB service will be in the stopped state in the subscriber node where the **utils dbreplication forcedatasyncsub** command is executed; unless reboot on the subscriber(s) is performed.

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

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

Command privilege level: 1

Allowed during upgrade: No

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

utils dbreplication rebuild

This command is used to set up database replication across the cluster and runs 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 Guidelines

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

Command privilege level: 1

Allowed during upgrade: No

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

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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.

Parameters	Description
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

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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 Guidelines

Note This command does not repair replication setup.

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

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

Command privilege level: 1

Allowed during upgrade: No

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

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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 Guidelines

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

Command privilege level: 1

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

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager, IM and Presence Service on 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 Guidelines

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: Unified Communications Manager, IM and Presence Service on 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**. 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

Command privilege level: 1

Allowed during upgrade: No

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

utils imdb_replication replication status

This command validates that In Memory Database (IMDB) replication between the node pairs in each subcluster of the deployment has run correctly.

The command performs writes and reads on IMDB tables in each relevant Datastore using a utility from the calling IM and Presence Service node.

```
utils imdb_replication status
```

Command Modes

Administrator (admin:)

Usage Guidelines

For the utility to run successfully, ports 6603, 6604, and 6605 must be opened on any firewalls that are configured between the nodes on the IM and Presence Service clusters.

This is not required for the normal operation of the IMDB.

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: IM and Presence Service

utils diagnose

This command enables you to diagnose and attempt to automatically fix system problems.

utils diagnose { **fix** | **list** | **test** | **version** } *[module_name]*

utils diagnose { **module** } *[module_name] [container_name]*

Syntax Description

Parameters	Description
fix	Runs all diagnostic commands and attempts to fix problems.
hcs	Lists all the diagnostic commands available for HCS services.
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.

Parameters	Description
container_name	Specifies the name of container. This is applicable only for the **module parameter**. **Note** Specifiy the container name, it runs the diagnostic module inside the container, if containers are running.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0 for **version** and 1 for all other parameters

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

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

utils disaster_recovery estimate_tar_size

This command provides the estimated size of last successful backup from SFTP or local device.

utils disaster_recovery estimate_tar_size utils disaster_recovery device list

Syntax Description

Parameters	Description
featurelist	Specifies a list of features to back up, separated by commas.

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

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: Unified Communications Manager, IM and Presence Service on 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 jschLogs operation

This command enables and disables the detailed JSch logging.

utils disaster_recovery jschLogs operation [*operation*]

Syntax Description

Parameters	Description
operation	Specifies the name of operation—enable or disable.

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

utils disaster_recovery prepare restore pub_from_sub

This command handles the tasks to prepare for restore of a publisher node from a subscriber node.

Note This command is applicable only when a publisher node is rebuilt and restored from the subscriber node database. A specific procedure is used for restore instead of restoring the data from the remote backup source. After a publisher node is rebuilt, you must use this command prior to the insertion of process node information.

utils disaster_recovery prepare restore pub_from_sub

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

utils disaster_recovery restore network

This command restores a remote server. You must restore the 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection

Example

```
admin: utils disaster_recovery schedule enable schedule1
Schedule enabled successfully.
```

utils disaster_recovery schedule delete

This command deletes the configured schedules.

utils disaster_recovery schedule delete *schedulename*

Syntax Description

Parameters	Description
schedulename	Represents the name of the schedule that is to be deleted.

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

utils disaster_recovery schedule disable

This command disables the configured schedules.

utils disaster_recovery schedule disable *schedulename*

Syntax Description

Parameters	Description
schedulename	Represents the name of the schedule that is to be disabled.

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

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: Unified Communications Manager, IM and Presence Service on 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_backupfiles

This command retrieves the information of backup files, which are available at storage location.

utils disaster_recovery show_backupfiles *devicename*

Syntax Description

Parameters	Description
devicename	Represents the name of the device to show backup files at the storage location.

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

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

utils EnhancedSecurityMode disable

The command disables the EnhancedSecurityMode mode on the system. The system reboots after this mode is disabled.

utils EnhancedSecurityMode disable

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, and Cisco Unity Connection

utils EnhancedSecurityMode enable

The command enables the EnhancedSecurityMode mode on the system. The system reboots after this mode is enabled.

utils EnhancedSecurityMode enable

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, and Cisco Unity Connection

utils EnhancedSecurityMode status

The command displays whether the system is operating in EnhancedSecurityMode or non-EnhancedSecurityMode mode.

utils EnhancedSecurityMode status

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

utils filebeat config

The command configures the Logstash server details for downloading the information.

utils filebeat configIP addressport numberlog type

Syntax Description

Parameters	Description
IP address	Enter the IP address of the Logstash server.
port number	Enter the port number of Logstash server.
log type	Enter the log type that you have to uploaded to the Logstash server.

You can also secure the FileBeat service by enabling TLS. The following prompt is displayed after setting the parameters.

```
Do you wish to secure the filebeat service by enabling TLS?

Enter (yes/no) ?
```

Enter **Yes** to enable TLS.

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, and Cisco Unity Connection

utils filebeat disable

The command disables the filebeat configuration on the system.

utils filebeat disable

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, and Cisco Unity Connection

utils filebeat enable

The command enables the filebeat configuration on the system.

utils filebeat disable

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, and Cisco Unity Connection

utils filebeat status

The command shows whether the filebeat is running or not and its configuration values.

utils filebeat status

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, and Cisco Unity Connection

utils filebeat tls

This command configures Transport Layer Security (TLS) as the protocol for communication between the FileBeat client and the logstash server. This enables a secure connection between the FileBeat client and the logstash server, which is a requirement for compliance with Common Criteria guidelines.

In Common Criteria Mode, strict host name verification is implemented. Hence, it is required to configure the server with a fully qualified domain name (FQDN) which matches the certificate.

utils filebeat tls {**enable** | **disable** | **status**}

Syntax Description

Parameters	Description
enable	Enables a secure connection between the FileBeat client and the logstash server.
disable	Disables the TLS for FileBeat client.
status	Displays the status for TLS.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

A security certificate has to be uploaded from logstash server to the tomcat trust store on Unified Communications Manager and IM and Presence Service.

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

utils fior disable

This command disables I/O statistics monitoring and deletes all the monitoring data collected on the system. Use this command to disable monitoring and free up disk space that is used by the monitoring data.

utils fior disable

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

utils fior enable

This command enables I/O statistics monitoring.

Note Use this command before monitoring begins.

utils fior enable

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

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

utils fior start

This command starts the I/O statistics utility monitoring and data collection. After the monitoring starts, the I/O statistics data is collected in the platform logs. This data can range up to 25 MB per day. Data is rotated after 7 days of data collection. This data is deleted after you disable the I/O statistics utility monitoring.

Note Enable the I/O statistics utility monitoring begins before the monitoring begins.

utils fior start

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

utils fior status

This command provides the status of the I/O statistics monitoring utility.

utils fior status

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

utils fior stop

This command stops the I/O statistics monitoring and data collection. However, this command does not delete the collected data.

Note If I/O statistics are no longer needed, disable the cleanup of the monitoring data from the platform logs.

utils fior stop

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

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: Unified Communications Manager, IM and Presence Service on 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 Unified Communications Manager.

For information about which releases are FIPS compliant and to view their certifications, see the *FIPS 140* document at https://www.cisco.com/c/en/us/solutions/industries/government/global-government-certifications/fips-140.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.

Parameters	Description
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 Service 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 the IM 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection

utils fips_common_criteria

This command configures the Common Criteria mode in the system.

utils fips_common_criteria {**enable** | **disable** | **status**}

Syntax Description

Parameters	Description
enable	Enables the Common Criteria mode in the system
disable	Disables the Common Criteria mode in the system When Common Criteria mode is disabled, a prompt is displayed to set the minimum TLS version.
status	Displays the status of Common Criteria mode in the system

Command Modes

Administrator (admin:)

Usage Guidelines

Secure connections using TLS version 1.0 are not permitted after enabling the Common Criteria mode. FIPS mode will be enabled while enabling Common Criteria mode. Enabling or disabling Common Criteria mode does not require certificates to be regenerated. However, enabling or disabling FIPS does require rebooting of the system along with regeneration of certificates.

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service

Note This CLI command is not applicable to Cisco Unity Connection.

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.
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

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.

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

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.

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

utils firewall ipv6 debug

This command turns IPv6 firewall debugging on for the configured time period. The default value of time period is 5 minutes.

utils ipv6 firewall debug {**off**[*time*]}

Syntax Description

Parameters	Description
off	(Optional) Turns off the IPv6 firewall debugging. If you do not enter the time parameter, this command disables the firewall as per the default time period value.
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

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.

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

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 Service nodes, the backup node must be another IM and Presence Service. 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: Unified Communications Manager and IM and Presence Service on 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: Unified Communications Manager and IM and Presence Service on 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 haproxy set {required|optional|disable} client-auth

This command sets the value of client authentication on a specified port. The supported values for authentication are Required, Optional, or Disable.

The following table depicts the default values for the ports.

Table 3: Default Values for the Ports

Port	Default Value
6971	Optional

Port	Default Value
6972	Optional
9443	Required

Warning Setting the client authentication to anything other than default value could have serious implications. Please change these values only as per Cisco TAC team advise.

utils haproxy set {**required** | **optional** | **disable**}**client-auth** *portnum*

Syntax Description

Parameter	Description
portnum	Enter the port number to set HAProxy client authentication. **Note** The supported port numbers are 6971, 6972 and 9443.
required	Sets the value of client authentication to “required” on a specified port.
optional	Sets the value of client authentication to “optional” on a specified port.
disable	Sets the value of client authentication to “disable” on a specified port.

Command Modes

Administrator (admin:)

Usage Guidelines

- If the user enters a *portnum* value other than 6971, 6972 or 9443, an error message is displayed to enter a valid port number.
- Administrator can execute the **help utils haproxy set optional client-auth** command to view the help content.
- The configured client-auth value for the *portnum* is retained during the upgrades and while performing a backup using Disaster Recovery System (DRS) and restore.
- If you set client authentication to “required”, then server requests for a certificate from the clients. The client must present the requested certificate to the server. Hence, the request can forward to the further services.
- If you set client authentication to “optional”, then server requests for a certificate from the clients. Although if the client does not present the requested certificate to the server, the request can forward to the further services.
- If you set client authentication to “disable”, then the server will not request for a certificate from the clients.
- The HAProxy process restarts when you execute this command.

Requirements

Command privilege level: 1

Applies to: Unified Communications Manager

Example

```
admin:utils haproxy set required client-auth 6971


This command will result in the HA Proxy service set the client
authentication as per your specification and restart the
HAProxy process. Restarting of the HAProxy process might
result in momentary disconnection of all Phones and Jabber
clients that are accessing this service for secure
configuration file downloads. It is recommended this
operation be performed during off-busy hours and ensure
there are no TFTP operations in progress.
Warning: Setting the client authentication to anything other
than default value could have serious implications.
Please change these values only as per Cisco TAC team's advise
Do you want to continue (yes/no) ? yes

Successfully set client authentication to required

HAProxy Process already running .. restarting
admin:

admin:utils haproxy set disable client-auth 6972

HAProxy client authentication is already set to
disable on port 6972 . No action will be taken.


admin:utils haproxy client-auth set 1234 disable
Please enter valid values for the port.
Supported values are 6971, 6972 and 9443

admin:help utils haproxy set required client-auth 6971

utils haproxy set required client-auth
This command updates the value of client authentication
as required on specified port.
Example:
admin:utils haproxy set required client-auth 6971
HAProxy client authentication is already set to
required on port 6971. No action will be taken.
admin:
```

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: Unified Communications Manager and IM and Presence Service on 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: Unified Communications Manager and IM and Presence Service on 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 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 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: 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.

1. Power on the VMware.
2. Use the Answer File Generator (AFG) tool (http://www.cisco.com/web/cuc_afg/index.html) to create a platformConfig.xml file.
3. Insert the Config.xml file into a virtual floppy instance (see http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1739for directions).
4. Mount the .flp file in the floppy drive of the new VMware.
5. Sign in to the CLI of the VM (with console or SSH) and execute the **utils import config** command.

   The command cycles through all of the data found in the xml file and if data is found that is different than what is currently set on the VM, it modifies the VM to match the new data.
6. The system reboots with the new identity.

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

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

Parameters	Description
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: Unified Communications Manager, IM and Presence Service on 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.
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.

Requirements

Command privilege level: 1 for **Enable** and **Disable**, 0 for **Status**

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 CallManager certificate 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 Guidelines

Note You must run this command on the publisher node.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to:

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 ipsec restart

This command is used to restart the ipsec service.

utils ipsec restart

Command Modes

Administrator (admin:)

Requirments

Command privilege level:1

Allowed during upgrade: No

Applies to: Unified Communications Manager

Example

```
admin:utils ipsec restart
ipsec_setup: Stopping Openswan IPsec...
ipsec_setup: stop ordered, but IPsec appears to be already stopped!
ipsec_setup: doing cleanup anyway...
ipsec_setup: Starting Openswan IPsec U2.6.32/K2.6.32-573.18.1.el6.x86_64...
ipsec_setup: /usr/libexec/ipsec/addconn Non-fips mode set in /proc/sys/crypto/fips_enabled
ipsec_setup: pluto appears to be running already (`/var/run/pluto/pluto.pid' exists), will
 not start another
Successfully Restarted IPsec Service
admin:
```

utils ldap config

This command configures the system LDAP authentication.

utils ldap config {*fqdnipaddr*}

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

Command privilege level: 1

Applies to: Unified Communications Manager and Cisco Unity Connection

utils ldap config status

This command displays the utils ldap configuration status.

utils ldap config status

Command Modes Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

utils managementAgent alarms minpushLevel

If Push Notifications is enabled, run this command to configure the minimum alarm severity for which Unified Communications Manager sends push notifications alarms to the Cisco cloud.

utils managementAgent alarms minpushLevel*severity*

Syntax Description

Parameters	Description
severity	This value represents the minimum alarm severity for which Unified Communications Manager sends Push Notifications alarms to the Cisco cloud. The possible options are: • Critical • Error (this is the default) • Warning • Notice • Information

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service

utils managementAgent alarms pushfrequency

If Push Notifications is enabled, run this command to configure the interval following which Unified Communications Manager sends push notifications alarms to the Cisco cloud.

utils managementAgent alarms pushfrequency*minutes*

Syntax Description

Parameters	Description
minutes	The upload frequency in minutes. This value must be an integer between 5 and 90 with a default of 30 minutes.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service

utils managementAgent alarms pushnow

If Push Notifications is enabled, run this command to send push notifications alarms to the Cisco cloud immediately, without having to wait for the next scheduled upload.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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	

Parameters	Description
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

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.

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.

Parameters	Description
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 either 262144 bytes 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

utils network capture-rotate

This command captures IP packets beyond the 100,000 packet limit of **utils network capture**.

utils network capture-rotate {**file***fname*} [**size***bytes*] [**sizePerFile***megabytes*] {**maxFiles** *num*}[**src***addr*] [**dest***addr*] [**port***num*][**host protocol***addr*]

Syntax Description

Parameters	Description
file *fname*	Outputs the information to a file. **Note** The file will be saved in platform/cli/fname. fname should not contain the "." character.
size*bytes*	The number of bytes of the packet to capture. Valid values include any number up to 65535 or ALL. The default is ALL.
sizePerFile *megabytes*	The sizePerFile sets the value for the size of the log files. (Unit is millions of bytes.) The default value of sizePerFile is 25 MB.

Parameters	Description
maxFiles *num*	the maxFiles indicates the maximum number of log files to be created. The default value of maxFiles is 10.
src *addr*	(Optional) Specifies the source address of the packet as a hostname 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.
host *protocol addr*	(Optional) Limits capture to traffic to and from a specific host. Options for *protocol* are IP, arp, rarp, all, and *addr* must be in IPv4 or hostname format. If **host** is used, do not provide **src** or **dest**.

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.

utils network connectivity

This command verifies the node network connection to the first node in the cluster (this connection is only valid on a subsequent node) and to a remote node.

utils network connectivity [**reset**] [*hostname/ip address*]

```
utils network connectivity  [hostname/ip address] [port-number] [timeout]
```

Syntax Description

Parameters	Description
connectivity	This command verifies the node network connection to the first node in the cluster. It is also used to check connectivity to a remote node, where there are two mandatory parameters, **hostname/ip address** and **port-number**.
reset	(Optional) Clears previous return codes.

Parameters	Description
hostname/ip address	• (Optional) Hostname or IP address of cluster node to check network connectivity with the publisher or the first node. • (Mandatory) Hostname or IP address of the host that has to be tested for the TCP connection, to check network connectivity on the remote server.
port-number	(Mandatory) Port number of the host that requires connection test.
timeout	(Optional) Specifies the time in seconds after which port connectivity message is displayed.

Command Modes

Administrator (admin:)

Usage Guidelines

- The **utils network connectivity** [**reset**] *[hostname/ip address]* command is used to check the network connectivity to the publisher or the first node.
- The **utils network connectivity** [**hostname/ip address**] [**port-number**] *[timeout]* command is used to check the network connectivity to a remote server.

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.

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: Unified Communications Manager, IM and Presence Service on 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_nameipv6_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: 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-addresshostname*]

Syntax Description

Parameters	Description
ipv6-address	Specifies IPv6 address that you want to trace.

Parameters	Description
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: 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: 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, and Cisco Unity Connection.

utils network name-service {hosts|services} cache invalidate

This command clears the name service cache.

utils network name-service *{hosts \ services}* [*cache invalidate*]

Syntax Description

Parameters	Description
Hosts	Host services cache
Services	Services service cache

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

Consider the following example for flushing/clearing the cache:

```
admin:utils network name-service hosts cache invalidate
admin:
Successful
```

utils ntp auth symmetric-key

utils ntp auth symmetric-key {**enable** | **disable** | **status**}

This command helps you enable or disable authentication of the selected NTP server. The authentication is based on symmetric keyID and key. The symmetric key is stored in the encrypted format in Unified Communications Manager.

Note Before you run this command, ensure that you know the NTP server keyID and its corresponding key.

Syntax Description

Parameters	Description
enable	Choose one of the NTP servers from the list of available servers and enable it for authentication.
disable	Choose one of the NTP servers from the list of available servers and disable it for authentication.
status	Shows the authentication status of all the listed NTP servers.

Usage Guidelines

The system prompts you to enter the KeyID or Symmetric key for authentication of an NTP server.

Note

- Unified Communications Manager sends Syslog alert messages when the authentication status of an NTP server changes. You can secure the connections to the syslog server with TLS.
- You can configure the NTP server authentication after you install Unified Communications Manager.

Requirements

Command privilege level: Level 1 can execute all commands, Level 0 can execute only status command

Allowed during upgrade: No

Applies to: Unified Communications Manager

Example: utils ntp auth symmetric-key status - View status when NTP authentication is not enabled

```
admin:utils ntp auth symmetric-key status
10.77.32.92 : NTP Authentication is disabled.
10.77.46.203 : NTP Authentication is disabled.

ind assid status conf reach auth condition last_event cnt
===========================================================
```

```
 1  8468   963a   yes  yes  none  sys.peer   sys_peer  3
 2  8469   9024   yes  yes  none    reject  reachable  2
```

Example: utils ntp auth symmetric-key enable - Enable NTP authentication

```
admin:utils ntp auth symmetric-key enable
The List of NTP servers Configured:
1. 10.77.32.92
2. 10.77.46.203
q. press q to exit
Enter the selection for which to configure NTP authentication: 1
Please enter the Key ID [1-65534]:
2
Please enter the Symmetric Key of the NTP Server (SHA1):
Restarting NTP
please run the utils ntp auth symmetric-key status to check the status of NTP Authentication
```

Example: utils ntp auth symmetric-key status - View status after NTP authentication is enabled

```
admin:utils ntp auth symmetric-key status
10.77.46.203 : NTP Authentication is disabled.
10.77.32.92 : NTP Authentication is enabled.

ind assid status conf reach auth condition last_event cnt
===========================================================
 1  57733  9044  yes  yes   none   reject   reachable  4
 2  57734  f014  yes  yes   ok     reject   reachable  1
```

Example: utils ntp auth symmetric-key disable - Disable NTP authentication

```
admin:utils ntp auth symmetric-key disable
The List of NTP servers Configured:
0. All
1. 10.77.46.203
2. 10.77.32.92
q. press q to exit
Enter the selection for which to disable NTP authentication: 2
NTP authentication has been disabled on the particular server.
Restarting NTP
```

Example: utils ntp auth symmetric-key status - View status after NTP authentication is disabled

```
10.77.46.203 : NTP Authentication is disabled.
10.77.32.92 : NTP Authentication is disabled.

ind assid status conf reach auth  condition  last_event cnt
===========================================================
 1  42767  9144   yes  yes  none  falsetick  reachable   4
 2  42768  912a   yes  yes  none  falsetick  sys_peer    2
```

Example: utils ntp auth symmetric-key status - View status of NTP authentication

```
admin:utils ntp auth symmetric-key status
10.77.32.92  :  NTP authentication is failed. Please check the NTP authentication Key ID
and Symmetric Key entered is correct. To update, disable and reenable authentication for
this NTP server.
10.77.32.78  :  NTP Authentication is disabled.

ind assid status  conf reach auth condition  last_event cnt
===========================================================
  1 31609  c02c   yes    no   bad    reject              2
  2 31610  803a   yes    no  none    reject    sys_peer  3
```

utils ntp auth auto-key

utils ntp auth auto-key {**enable** | **disable** | **status**}

This command helps you enable or disable authentication of the selected NTP server. The authentication is based on the client key. It also allows you to check the authentication status of the ntp servers.

Note You can configure the PKI-based authentication with the IFF identity scheme on the NTP server only if you enable common criteria mode on the Unified Communication Manager.

You can enable either symmetric key or PKI-based NTP authentication on Unified Communications Manager.

If you try to enable the symmetric key on the PKI enabled server, the following warning message is displayed:

Warning NTP authentication using Autokey is currently enabled and must be disabled before the symmetric key is enabled. Use the command 'utils ntp auth auto-key disable' to disable NTP authentication, then retry this command.

If you try to enable the Autokey on the symmetric key enabled server, the following warning message is displayed:

Warning NTP authentication using symmetric key is currently enabled and must be disabled before Autokey is enabled. Use the command 'utils ntp auth symmetric-key disable' to disable NTP authentication, then retry this command.

Note NTP servers require ntp version 4 and the rpm version ntp-4.2.6p5-1.el6.x86_64.rpm and above.

Syntax Description

Parameters	Description
enable	Choose one of the NTP servers from the list of available servers and enable it for authentication.

Parameters	Description
disable	Choose one of the NTP servers from the list of PKI authentication enabled NTP servers and disable authentication.
status	Shows the authentication status of all the listed NTP servers.

Usage Guidelines

While enabling NTP authentication, system prompts you to enter the IFF client key for authentication of an NTP server. When the client key is uploaded successfully, it restarts the NTP service on the Unified Communications Manager publisher node. Post that authentication is enabled between the Unified Communications Manager and NTP server.

Note

- You can configure the NTP server authentication after you install or upgrade the Unified Communications Manager.
- Do not terminate the execution by pressing “Ctrl-C” key during the CLI execution.

Requirements

Command privilege level:: Level 1 can execute all commands, Level 0 can execute only status command

Allowed during upgrade: No

Applies to:: Unified Communications Manager

admin:utils ntp auth auto-key enable-Enable NTP authentication

```
1: 10.78.83.146
2: 10.77.46.203
3: 10.77.32.92

Select the server for which auto-key based NTP authentication is to be enabled (Enter q to
 exit):2

Enter the IFF client key for the 10.77.46.203:

# ntpkey_iffpar_ccm203.3705887848
# Thu Jun  8 10:47:28 2017

-----BEGIN PRIVATE KEY-----
MIGzAgEAMIGoBgcqhkjOOAQBMIGcAkEA4r3EkDFdP05QSpzVpGHnZN3JgOkW0Ch9
erxLB7zSxrwNdnDIlWg5bUhZZWKZceQd/nyD6FLpZNFrpHnylkBUgQIVAJEjgjZM
r2aaMGSN5x2yUmhT4MqNAkBp2gkQNi8sluLre0YKyc+kdICiRkEK2jKwBETXs7Mh
aEd/c4DQnZkd5U9gco4v9zPpsfPOqftvymVyVmRyKX0NBAMCAQE=
-----END PRIVATE KEY-----
The Client key does not match the hostname of the selected NTP server. This could be because
 a DNS server is not configured or the DNS entry for this host is not present.
Please verify the client key uploaded corresponds to the selected NTP server and that the
DNS configuration is correct.
Do you want to continue with this operation?<yes/no>:
Client key uploaded succesfully
Restarting NTP service.
Please run 'utils ntp auth auto-key status' to check the status of NTP authentication.
```

Note The above user warning prompt is not displayed, if the DNS server is able to resolve the hostname of the selected NTP server and if it matches with the hostname in the client key provided.

admin:utils ntp auth auto-key status - View status when NTP authentication is enabled

```
1.10.78.83.146 : NTP Authentication is disabled.
2.10.77.46.203 : NTP Authentication is enabled.
3.10.77.32.92 : NTP Authentication is disabled.
Select the server for which auto-key based NTP authentication details is to be displayed
(Enter q to exit):
2
   NTP public certificate:
# ntpkey_RSA-SHA1cert_ccm-90.3708840303
# Wed Jul 12 14:55:03 2017

-----BEGIN CERTIFICATE-----
MIICwTCCAamgAwIBAgIFAN0QaW8wDQYJKoZIhvcNAQEFBQAwETEPMA0GA1UEAxMG
Y2NtLTkwMB4XDTE3MDcxMjA5MjUwM1oXDTE4MDcxMjA5MjUwM1owETEPMA0GA1UE
AxMGY2NtLTkwMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAv0no6hNu
C88VXyCkMCJ6w6hny7eG6JU8LzEjMIN5aqD0FDjnRzIKK/DL5DMReRy4j/4YQTR7
nT9ThudFwyUu0y86OpPWBgfKeII6kjtkElo4mp8RyMLJDp4e0jOh63wCP0cJsdZ1
dXfvx0/OjK6ZdX7OeHtcZn2ycLkSZP6hkos6Un//5zfu1IG47QEliIh3bpPWq647
JiHELeuigcNm2plLSorXgmA3LFBI99pamwFl9Lmqb49y0Ie/QchXhudOOsG0zuaL
PaEnkPdyNtxvQbCQ24cVBmHup7UBkdZYA+5unpbczMzzE3tQsl/CvizmUbfA+/gi
/DWSBC4Hfc011QIDAQABoyAwHjAPBgNVHRMBAf8EBTADAQH/MAsGA1UdDwQEAwIC
hDANBgkqhkiG9w0BAQUFAAOCAQEAttJbav0+qVPk9abAWlWcmhQUbjW58qrLE9A0
2ZvIvHKq2TyBAIxYcUSQQ3GXSwBDHKZUNSAzrFrTQ+vLFqFvoSH0o5EFruIdrwyn
zCD1OqNJXsCPsxyofSDuT/+pxvVxGXlcIpmDa2tieEUcdSvaGxol+ABhOO8YI6uf
bHNUCdjNSYbF6W0LMs643VSlNEUmBE4Tp+YWpLgbmXDXGa1wHlog5fZfnywk161J
n34asWwWmR467WADnPBfMJDWzU1GMceh1lXQ/gbYYX3+rpileAZF6x9Z/goexhNc
L4WyzBrlR7iueJ1wYdFZ5THXOat3bxWMWU4fDzqTWA7G9hpP6w==
-----END CERTIFICATE-----
   Client Key:
# ntpkey_iffpar_ccm203.3705887848
# Thu Jun  8 10:47:28 2017

-----BEGIN PRIVATE KEY-----
MIGzAgEAMIGoBgcqhkjOOAQBMIGcAkEA4r3EkDFdP05QSpzVpGHnZN3JgOkW0Ch9
erxLB7zSxrwNdnDIlWg5bUhZZWKZceQd/nyD6FLpZNFrpHnylkBUgQIVAJEjgjZM
r2aaMGSN5x2yUmhT4MqNAkBp2gkQNi8sluLre0YKyc+kdICiRkEK2jKwBETXs7Mh
aEd/c4DQnZkd5U9gco4v9zPpsfPOqftvymVyVmRyKX0NBAMCAQE=
-----END PRIVATE KEY-----
admin:
```

admin:utils ntp auth auto-key disable-Disable NTP authentication

```
The List of NTP servers Configured:
1. 10.77.46.203
Enter the NTP server in which the authentication needs to be disabled(Enter q to exit): 1
NTP authentication has been disabled on 10.77.46.203
Restarting NTP
admin:
```

utils ntp server add

The command adds a maximum of five specified NTP servers.

utils ntp server add *s1* [*s1s2s3s4s5*] [**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: 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 Network Time Protocol (NTP) server or multiple NTP servers. 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.

Note It is required to have at least 1 NTP server configured. Therefore, you cannot delete an NTP server if only one is configured. If you select the option to delete all the NTP servers, the NTP servers are deleted in top down order and the last NTP server on the list does not get deleted. The process is similar to the top down order followed during `utils ntp config` or `utils ntp status`

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: 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 :  [The NTP server was not deleted.  At least one NTP server is required.]
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).

utils ntp config

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

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager and IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager and IM and Presence Service on Unified Communications Manager.

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

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: 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.
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: 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 kerneldump status

This command provides the status of the kdump service.

utils os kerneldump status

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

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: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies compile

This command generates the selinux policy module and type enforcement that resolves the recorded denials under the dynamic policy.

utils os secure dynamic-policies compile *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name under which the compilation of the selinux policy module and type enforcement is done.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies list

This command lists all the operating system dynamic policies with their statuses.

utils os secure dynamic-policies list

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies load

This command loads the selinux policy module for the dynamic policy into selinux. This command applies new rules into selinux that prevent the denials that are recorded under the dynamic policy from reoccurring.

utils os secure dynamic-policies load *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name that has a generated selinux policy module, which is not loaded into selinux..

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies remove

This command deletes all the data for the dynamic policy from the operating system. The data includes unloading the policy module from selinux and deleting the generated policy module, type enforcements, recorded denials, and delta logs.

utils os secure dynamic-policies remove *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name that is unnecessary or no longer required.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies show

This command displays the rules to be introduced by loading the generated selinux policy module of the dynamic policy. Run this command after the successful compilation to verify that the rules to be loaded are secure.

utils os secure dynamic-policies show *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name for which you want to view the rules.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies start-recording

This command starts recording the selinux denials and organizes them under the new dynamic policy.

Note

- This command sets the system into the permissive mode.
- The dynamic-policies are generated on a per-node basis. As a restriction, these policies cannot be exported or imported. This restriction has the following advantages:
  - Prevent loading external and unsigned policy modules into selinux that may create security vulnerabilities.
  - Prevent the transfer of policy modules between Unified Communications Manager clusters with different configurations.

utils os secure dynamic-policies start-recording *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name where the selinux denials and future policy data is to be organized.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils os secure dynamic-policies stop-recording

This command stops recording the selinux denials for the dynamic policy. This command switches the system back to the original enforcement mode—either permissive mode or enforcing mode. This log generates a delta log for all selinux denials that occurred between the start of the recording till it ends.

Note This command fails if the delta log has no new denials. Then, the dynamic policy is purged and you will have to use this command again.

utils os secure dynamic-policies stop-recording *policy name*

Syntax Description

Parameters	Description
policy name	Type the dynamic policy name the recording of which you want to stop.

Command Modes

Administrator (admin:)

Usage Guidelines

Requirements

Command privilege level: 1

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

utils PlatformWebAccess disable

Use this command to disable browser-based sign-in to Cisco Unified OS Administration and Disaster Recovery System on the server. When platform web access is disabled, users cannot sign in to these applications, including with platform administrator credentials. Before disabling platform web access, verify that you have working administrator CLI access.

utils PlatformWebAccess disable

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

utils PlatformWebAccess enable

Use this command to enable browser-based sign-in to Cisco Unified OS Administration and Disaster Recovery System on the server.

utils PlatformWebAccess enable

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

utils PlatformWebAccess status

Use this command to display whether browser-based sign-in to Cisco Unified OS Administration and Disaster Recovery System is enabled or disabled on the server.

utils PlatformWebAccess status

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

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

utils processCoreDumps disable

This command disables the process core dumps.

utils processCoreDumps disable

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

utils processCoreDumps enable

This command enables the process core dumps.

utils processCoreDumps enable

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

utils processCoreDumps status

This command provides the status of the kdump service.

utils processCoreDumps status

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

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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

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

utils remotesyslog set protocol tcp

This command configures the protocol for communication with remote syslog server as TCP on the system. Restart the node for changes to take effect.

utils remotesyslog set protocol tcp

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

utils remotesyslog set protocol udp

This command configures the protocol for communication with remote syslog server as UDP on the system. Restart the node for changes to take effect.

utils remotesyslog set protocol udp

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

utils remotesyslog set protocol tls

This command configures the protocol for communication with the remote syslog server as Transport Layer Security (TLS) 1.2 or 1.3 on the system. TLS enables Unified Communications Manager and IM and Presence

Service to establish a secure connection with syslog servers. This enables Unified Communications Manager and IM and Presence Service to comply with Common Criteria guidelines.

Note TLS 1.3 is offered on this enterprise from Release 15SU2 onwards.

Note
- Ensure that the syslog server supports the minimum TLS version (1.2 or 1.3) supported.
- In Common Criteria Mode, strict host name verification is implemented. Hence, it is required to configure the server with a fully qualified domain name (FQDN) which matches the certificate.

Restart the node for the changes to take effect.

utils remotesyslog set protocol tls

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager

A security certificate has to be uploaded from the syslog server to the tomcat trust store on Unified Communications Manager and IM and Presence Service.

utils remotesyslog show protocol

This command shows whether the protocol for communication with remote syslog server is TCP or UDP on the system.

utils remotesyslog show protocol

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

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

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

utils reset_application_ui_administrator_password

This command resets the application user interface administrator password.

Note For password changes on IM and Presence nodes, stop the Cisco Presence Engine service in all IM and Presence nodes before resetting the administrator password. After the password reset, restart Cisco Presence Engine service in all the nodes. Make sure that you perform this task during maintenance because you may face presence issues when the PE is stopped. If you change the password from IM and Presence nodes, make sure the new password is same as the current administrator password in Unified Communication Manager.

utils reset_application_ui_administrator_password

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

utils restore_application_ui_administrator_account

This command restores the application user interface administrator account.

utils restore_application_ui_administrator_account

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

utils rosters list limited

Run this command on the database publisher node to obtain a count of invalid watchers and invalid contacts. The total counts display in the CLI.

Command Modes Administrator (admin:)

Usage Guidelines We recommend that you run this command only during a maintenance window. This command will list only the count and no details of the invalid records. For details on the invalid records, try **utils rosters list [watchers | contacts | full**.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence Service

utils rosters list full

Run this command on the database publisher node to write the details of all invalid watchers and invalid contacts to a file. The command also displays the total counts in the CLI.

Command Modes Administrator (admin:)

Usage Guidelines We recommend that you run this command only during a maintenance window.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence Service

utils rosters list watchers

Run this command on the database publisher node to write the details of all invalid watchers in the cluster to a file. The total count of invalid contacts also displays in the CLI.

Command Modes Administrator (admin:)

Usage Guidelines We recommend that you run this command only during a maintenance windows. While executing, progress is displayed in the CLI as well as in a log file.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence Service

utils rosters list contacts

Run this command on the database publisher node to write the details of all invalid contacts in the cluster to a file. The total count of invalid contacts also displays in CLI.

Command Modes Administrator (admin:)

Usage Guidelines We recommend that you run this command only during a maintenance window.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence Service

utils rosters delete

Run this command on the database publisher node to delete all invalid watchers and invalid contacts in the IM and Presence cluster.

Command Modes Administrator (admin:)

Usage Guidelines We recommend that you run this command only during a maintenance windows. While executing, progress is displayed in the CLI as well as in a log file.

Requirements

Command privilege level: 4

Allowed during upgrade: No

Applies to: IM and Presence Service

utils sipOAuth-mode

This command is used to enable/disable SIP OAuth mode in a cluster. Once enabled, Unified Communication Manager accepts SIP registrations with an OAuth token from secure devices that are configured to use the SIP OAuth mode of registration.

utils sipOAuth-mode { **enable** | **disable** }

Command Modes

Administrator (admin:)

Usage Guidelines

Note You must run this command only on the Unified Communication Manager publisher node.

After enabling/disabling the SIPOauth mode, you must restart the Cisco CallManager service on all nodes in the cluster where the Cisco CallManager service is running.

Requirements

Command privilege level: 4

Allowed during upgrade: Yes

Applies to: Unified Communications Manager

Example

```
admin:utils sipOAuth-mode enable
SIP OAuth mode enabled.
Please restart the Cisco CallManager service on all nodes in the cluster where it is running.
```

Example

```
admin:utils sipOAuth-mode disable
SIP OAuth mode disabled.
Please restart the Cisco CallManager service on all nodes in the cluster where it is running.
```

utils scheduled-task disable

This command disables the scheduled-task.

utils scheduled-task disable scheduled-task

Syntax Description

Parameters	Description
scheduled-task	Enter the name of the task that you need to disable.

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

utils scheduled-task enable

This command enables the scheduled-task.

utils scheduled-task enable scheduled-task

Syntax Description

Parameters	Description
scheduled-task	Enter the name of the task that you need to enable.

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

utils scheduled-task list

This command lists all the scheduled tasks.

utils scheduled-task list

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

utils set urlpattern disable

This command disables the URL pattern and modifies the `zzz20_product_profile.sh` file. After the URL pattern is disabled, this command appends the following line:

```
export TOMCAT_EXCLUDE_URLPATTERNS="/ucmuser"
```

utils set urlpattern disable

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

utils set urlpattern enable

This command enables the URL pattern and modifies the `zzz20_product_profile.sh` file. After the URL pattern is enabled, this command appends the following line:

```
export TOMCAT_EXCLUDE_URLPATTERNS=""
```

utils set urlpattern enable

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

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: Unified Communications Manager, IM and Presence Service on 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: 0

Allowed during upgrade: No

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

utils service start

This command starts a service.

utils *service* **start**

Syntax Description

Parameters	Description
service	Enter the name of a service, which can consist of multiple words.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

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

utils service stop

This command stops a service.

utils *service* **stop**

Syntax Description

Parameters	Description
service	Enter the name of a service, which can consist of multiple words.

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 1

Allowed during upgrade: No

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

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.

Parameters	Description
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: 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
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: Unified Communications Manager, IM and Presence Service on 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.

Parameters	Description
ip-address	Specifies the IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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 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 IPv4/IPv6 address of a remote host, the command gets executed on the remote host.

The IPv4/IPv6 address is required. You cannot use a domain name.

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

utils snmp get 1

This command gets the SNMP data using version 1 for the specified MIB OID.

utils snmp get 1 *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 IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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:)

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

utils snmp get 2c

This command gets the SNMP data using version 2c for the specified MIB OID.

utils snmp get 2c *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 IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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:)

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

utils snmp get 3

This command gets the SNMP data for the specified MIB OID.

utils snmp get 3 *version*

Syntax Description

Parameters	Description
version	Specifies the SNMP version. Possible values include 1, 2c or 3.
community	Specifies the SNMP community string.

Parameters	Description
ip-address	Specifies the IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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:)

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

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

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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 command command 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 IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

Example

For the below example, community string is created using the `utils snmp config 1/2c community-string` command.

```
admin:utils snmp walk 1

ctrl-c: To quit the input.


Enter the community string:: public
Enter the ip address of the Server, use 127.0.0.1 for localhost.
Note that you need to provide the IP address, not the hostname.:: <enter the IP address of
 your server>
The Object ID (OID):: iso.3.6.1.2.1.1.1.0
Enter parameter as "file" to log the output to a file. [nofile]::
This command may temporarily impact CPU performance.
Continue (y/n)?y
SNMPv2-MIB::sysDescr.0 = STRING: Linux release:3.10.0-1062.18.1.el7.x86_64 machine:x86_64
##############################################################################################
utils snmp walk 2c -> same as utils snmp walk 1
##############################################################################################
For the below example, user is created using
utils snmp config 3 user add

utils snmp walk 3
admin:utils snmp walk 3

ctrl-c: To quit the input.


Enter the user name:: test
Enter the authentication protocol [SHA]:: SHA
Enter the authentication protocol pass phrase:: ********
Enter the privacy protocol [AES128]:: AES128
```

```
Enter the privacy protocol pass phrase:: ********
Enter the ip address of the Server, use 127.0.0.1 for localhost.
Note that you need to provide the IP address, not the hostname.:: <enter the IP address of
 your server>
The Object ID (OID):: iso.3.6.1.2.1.1.1.0
Enter parameter as "file" to log the output to a file. [nofile]::
This command may temporarily impact CPU performance.
Continue (y/n)?y
SNMPv2-MIB::sysDescr.0 = STRING: Linux release:3.10.0-1062.18.1.el7.x86_64 machine:x86_64
```

utils snmp walk 1

This interactive command walks through the SNMP MIB using SNMP version 1 starting with the specified OID

utils snmp walk 1 *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 IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

utils snmp walk 2c

This interactive command walks through the SNMP MIB using SNMP version 2c starting with the specified OID.

utils snmp walk 2c *version*

Syntax Description

Parameters	Description
version	Specifies the SNMP version. Possible values include 1, 2c or 3.

Parameters	Description
community	Specifies the SNMP community string.
ip-address	Specifies the IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 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: Unified Communications Manager, IM and Presence Service on Unified Communications Manager, Cisco Unity Connection

utils snmp walk 3

This interactive command walks through the SNMP MIB starting with the specified OID.

utils snmp walk 3 *version*

Syntax Description

Parameters	Description
version	Specifies the SNMP version. Possible values include 1, 2c or 3.
community	Specifies the SNMP community string.
object	Specifies the SNMP Object ID (OID) to walk
ip-address	Specifies the IPv4/IPv6 address of the server. Enter 127.0.0.0 to specify the local host. You can enter the IPv4/IPv6 address of another node in the cluster to run the command on that node.
file	Specifies a file in which to save the command output.

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

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

utils sso

This command provides information about SAML SSO authentication.

utils sso {**enable** | **disable** | **status**}

Syntax Description

Parameters	Description
enable	Provides the location in Cisco Unified CM Administration where you can enable SAML SSO.
disable	Disables SAML SSO based authentication.
status	Provides the status of SAML SSO.

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: 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

======================================================
```

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

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

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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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: Unified Communications Manager, IM and Presence Service on 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.
serial	Redirects the system boot output to the COM1 (serial port 1).

Command Modes

Administrator (admin:)

Requirements

Command privilege level: 0

Allowed during upgrade: Yes

Applies to: Unified Communications Manager and Cisco Unity Connection

utils system upgrade (Release 14SU2)

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.
status	Displays the status of an upgrade.

Usage Guidelines

Before you begin to upgrade your system, use the **Software Upgrades > Cluster Software Location** menu from the Cisco Unified OS Administration user interface of a Unified CM publisher to add, edit, or modify any of the existing configurations for any node in the same cluster. In Release 14 SU2 and later, Software Location settings for all cluster nodes are centrally managed from the Publisher instead of locally on each cluster node.

The wizard displays the software location details to configure all the nodes in the same cluster.

- Credentials Information—Displays the credentials of the server on which the upgrade image is saved.
- Upgrade file source—Displays the location for the server where your upgrade file is saved. You can upgrade from a local source (CD or DVD), or you can use FTP or SFTP to download a remote upgrade file, or if you want to resume an upgrade after a cancel operation, you can use the previously downloaded upgrade file through the local image source option.
- Continue with upgrade after download—Indicates the option selected whether you wanted the upgrade to proceed automatically once the upgrade file is downloaded (the default value is yes). If you had chosen to upgrade automatically, no checksum or SHA details get displayed. If you had set the value of to yes or no, the setting remains in the system.

- Version switching—Displays the option selected whether you wanted to switch to the new version automatically once the upgrade completes (the default value is no). If you had entered yes, the system switches to the new version and reboots automatically after the upgrade completes. If you had set the value to yes or no, the setting remains in the system.

Requirements

Command privilege level: 0

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager.

Example:

```
admin:utils system upgrade initiate

Warning: Do not close this window without first canceling the upgrade.
Warning: Before upgrading the cluster Cisco recommends installing the latest Upgrade Readiness
 COP file. Refer to the Upgrade Guide on cisco.com for details.
Note: Below are the configurations used for the upgrade of current node.To review/modify
the configuration, navigate to Cisco unified OS Administration -> Software Upgrades ->
Cluster Software Location on publisher.

Source: Local Image
Continue with upgrade after download (yes/no): no
Switch-version server after upgrade [valid only for ISO] (yes/no): no

Do you want to continue with these settings (yes/no) [no]: yes

Checking for valid upgrades.  Please wait...

Available options and upgrades in "upgrade" directory:

 1) UCSInstall_UCOS_14.0.1.11900-9000.iso
 q) quit

Please select an option (1 - 1 or "q" ): 1
Accessing the file.  Please wait...
Validating the file...

A system reboot is required when the upgrade process completes or is canceled.  This will
ensure services affected by the upgrade process are functioning properly.
Note: system reboot may not be required for a COP file. Please follow the instructions seen
 at the end of the COP installation.

     Downloaded: UCSInstall_UCOS_14.0.1.11900-9000.iso
   File version: 14.0.1.11900-9000
  File checksum : (MD5): bc:43:e4:06:aa:cc:7d:a3:b1:2d:d7:ec:15:6e:eb:35
                  (SHA512):
a45055a8e3dcd4e060d14b82519f0f00f37b18e79c148bb12f617ac1d14408bfed4d3f708c101ec786379cb1dcea196f090cabb764fa17e8aa55719e617547ef


Automatically switch versions if the upgrade is successful (yes/no): no

Start installation (yes/no):  yes
```

Example:

```
admin:utils system upgrade initiate

Warning: Do not close this window without first canceling the upgrade.
Warning: Before upgrading the cluster Cisco recommends installing the latest Upgrade Readiness
 COP file. Refer to the Upgrade Guide on cisco.com for details.
Note: Below are the configurations used for the upgrade of current node.To review/modify
the configuration, navigate to Cisco unified OS Administration -> Software Upgrades ->
Cluster Software Location on publisher.

Source: Remote Filesystem via SFTP
Directory: /common/adminsftp/fresh_install
Server: 10.77.30.197
User Name: root
Password: ******
Continue with upgrade after download (yes/no): no
Switch-version server after upgrade [valid only for ISO] (yes/no): no

Do you want to continue with these settings (yes/no) [no]: yes

Checking for valid upgrades.  Please wait...

Available options and upgrades in "10.77.30.197:/common/adminsftp/fresh_install":

 1) UCSInstall_UCOS_14.0.1.11900-9000.iso
 2) UCSInstall_UCOS_14.0.1.12900-9003.iso
 3) ciscocm.ucmap_platformconfig_relkey-v1.4.k4.cop.sha512
 q) quit

Please select an option (1 - 3 or "q" ): 1
Accessing the file.  Please wait...
Downloaded 4408 MB.
Checksumming the file...
Validating the file...

A system reboot is required when the upgrade process completes or is canceled.  This will
ensure services affected by the upgrade process are functioning properly.
Note: system reboot may not be required for a COP file. Please follow the instructions seen
 at the end of the COP installation.

     Downloaded: UCSInstall_UCOS_14.0.1.11900-9000.iso
   File version: 14.0.1.11900-9000
  File checksum : (MD5): bc:43:e4:06:aa:cc:7d:a3:b1:2d:d7:ec:15:6e:eb:35
                  (SHA512):
a45055a8e3dcd4e060d14b82519f0f00f37b18e79c148bb12f617ac1d14408bfed4d3f708c101ec786379db1dcea196f090cabb764fa17e8aa55719e617547ef

Automatically switch versions if the upgrade is successful (yes/no): no

Start installation (yes/no):  yes
```

utils system upgrade (Release 14SU3 onwards)

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.
status	Displays the status of an upgrade.

Usage Guidelines

You can continue to upgrade with the existing Software Location configurations details for all the nodes in the cluster.

If you want to modify the existing Software Location configurations for any node in the same cluster, either use the CLI prompts on the local node or quit and login to use the **Software Upgrades > Cluster Software Location** menu from the Cisco Unified OS Administration user interface of a Unified CM publisher.

The wizard displays the software location details to configure all the nodes in the same cluster.

- Credentials Information—Displays the credentials of the server on which the upgrade image is saved.
- Upgrade file source—Displays the location for the server where your upgrade file is saved. You can upgrade from a local source (CD or DVD), or you can use FTP or SFTP to download a remote upgrade file, or if you want to resume an upgrade after a cancel operation, you can use the previously downloaded upgrade file through the local image source option.
- Continue with upgrade after download—Indicates the option selected whether you wanted the upgrade to proceed automatically once the upgrade file is downloaded (the default value is yes). If you had chosen to upgrade automatically, no checksum or SHA details get displayed. If you had set the value of to yes or no, the setting remains in the system.
- Version switching—Displays the option selected whether you wanted to switch to the new version automatically once the upgrade completes (the default value is no). If you had entered yes, the system switches to the new version and reboots automatically after the upgrade completes. If you had set the value to yes or no, the setting remains in the system.

Note (Applicable for only Cisco Unity Connection) During the CLI upgrade process, the system does not provide an option to automatically switch to the new version after the upgrade completes. You must manually switch to the new version, as the automatic version switch option is not available in the CLI upgrade workflow.

Requirements

Command privilege level: 0

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager.

Example:

```
admin:utils system upgrade initiate
Warning: Do not close this window without first canceling the upgrade.
Warning: Before upgrading the cluster Cisco recommends installing the latest Upgrade Readiness
 COP file. Refer to the Upgrade Guide on cisco.com for details.
```

```
Note: Below are the configurations used for the upgrade of current node.To review/modify
the configuration, navigate to Cisco unified OS Administration -> Software Upgrades ->
Cluster Software Location on publisher.
Source: Remote Filesystem via SFTP
Directory: /common/adminsftp/upgrade
Server: 10.77.30.197
User Name: root
Password: ******
Continue with upgrade after download (yes/no): yes
Switch-version server after upgrade [valid only for ISO] (yes/no): yes
Do you want to continue with these settings (yes/no) [no]: no
Note: To modify this node's Software Location details, either use the prompts below or quit
 and login to Cisco Unified Operating System Administration interface and navigate to
'Software Upgrades -> Cluster Software Location' page on the publisher.
Source:
1) Remote Filesystem via SFTP
2) Remote Filesystem via FTP
3) Local DVD/CD
4) Local Image <None>
q) quit
Please select an option (1 - 4 or "q" ): 1
Directory [/common/adminsftp/upgrade]: /common/adminsftp/fresh_install
Server [10.77.30.197]: 10.77.30.195
User Name [root]: root
Password [******]: ********
Please enter SMTP Host Server (optional):
Continue with upgrade after download (yes/no) [yes]: yes
Switch-version server after upgrade [valid only for ISO] (yes/no) [yes]: no
Checking for valid upgrades. Please wait...
Available options and upgrades in "10.77.30.195:/common/adminsftp/fresh_install":
1) UCSInstall_UCOS_14.0.1.13900-9001.iso
q) quit
Please select an option (1 - 1 or "q" ):
```

Example:

```
admin:utils system upgrade initiate
Warning: Do not close this window without first canceling the upgrade.
Warning: Before upgrading the cluster Cisco recommends installing the latest Upgrade Readiness
 COP file. Refer to the Upgrade Guide on cisco.com for details.
Note: Below are the configurations used for the upgrade of current node.To review/modify
the configuration, navigate to Cisco unified OS Administration -> Software Upgrades ->
Cluster Software Location on publisher.
Source: Remote Filesystem via SFTP
Directory: /common/adminsftp/upgrade
Server: 10.77.30.197
User Name: root
Password: ******
Continue with upgrade after download (yes/no): yes
Switch-version server after upgrade [valid only for ISO] (yes/no): yes
Do you want to continue with these settings (yes/no) [no]: yes
Checking for valid upgrades. Please wait...
Available options and upgrades in "10.77.30.197:/common/adminsftp/upgrade":
1) ciscocm.ciscossl7_upgrade_CSCwa48315_CSCwa77974_v1.0.k4.cop
2) ciscocm.ciscossl7_upgrade_CSCwa48315_CSCwa77974_v1.0.k4.cop.sha512
3) ciscocm.ucmap_platformconfig-v1.3.k3.cop.sgn
4) ciscocm.ucmap_platformconfig_relkey-v1.4.k4.cop.sha512
q) quit
Please select an option (1 - 4 or "q" ):
```

utils system upgrade cluster

This command allows you to install upgrades for cluster nodes (Unified Communications Manager and IM and Presence) and Cisco Option Package (COP) files from both local and remote directories.

utils system upgrade cluster { **initiate** | **cancel** | **status** }

Syntax Description

Parameters	Description
cancel	Cancels the active upgrade.
initiate	Starts a new upgrade wizard or assumes control of an existing cluster upgrade wizard. This option is available only for the Unified Communications Manager publisher and not for the Unified Communications Manager subscriber or IM and Presence nodes.
status	Displays the status of an upgrade for each node in the cluster with the following fields: • Node—The hostname of the node. • Role—The role of the node. • Step—The current Step number or the Total number of steps to be executed for upgrade completion. • Description—The current component which is currently upgrading for the particular node. • Historical Time—The amount of time taken to complete the current component/step for the respective node based on previous clusterwide upgrade runs. • Elapsed Time—The amount of time that passes from the start of the current component/step to its finish for the respective node.

Usage Guidelines

Before you begin to upgrade your system, use the **Software Upgrades > Cluster Software Location** menu from the Cisco Unified OS Administration user interface of a Unified CM publisher to add, edit, or modify any of the existing configurations for any node in the same cluster. In Release 14 SU2 and later, Software Location settings for all cluster nodes are centrally managed from the Publisher instead of locally on each cluster node.

The wizard displays the software location details to configure all the nodes in the same cluster.

- Credentials Information—Displays the credentials of the server on which the upgrade image is saved.
- Upgrade file source—Enter the location for the server where your upgrade file is saved. You can upgrade from a local source (CD or DVD), or you can use FTP or SFTP to download a remote upgrade file, or if you want to resume an upgrade after a cancel operation, you can use the previously downloaded upgrade file through the local image source option.

- Continue with upgrade after download—Indicates the option selected whether you wanted the upgrade to proceed automatically once the upgrade file is downloaded (the default value is yes). If you had chosen to upgrade automatically, no checksum or SHA details get displayed. If you had set the value of to yes or no, the setting remains in the system.
- Version switching—Displays the option selected whether you wanted to switch to the new version automatically once the upgrade completes (the default value is no). If you had entered yes, the system switches to the new version and reboots automatically after the upgrade completes. If you had set the value to yes or no, the setting remains in the system.

Requirements

Command privilege level: 0

Applies to: Unified Communications Manager and IM and Presence Service on Unified Communications Manager.

Example:

```
admin:utils system upgrade cluster initiate

Warning: CLI upgrade status is best viewed when in full screen view.
Warning: Do not close this window without first canceling the upgrade.
Warning: Before upgrading the cluster Cisco recommends installing the latest Upgrade Readiness
 COP file. Refer to the Upgrade Gui               de on cisco.com for details.
Note: Below are the configurations used for the upgrade of current node.To review/modify
the configuration, navigate to Cisco uni               fied OS Administration -> Software
Upgrades -> Cluster Software Location on publisher.

Source: Remote Filesystem via SFTP
Directory: /common/adminsftp/fresh_install
Server: 10.77.30.197
User Name: root
Password: ******
Continue with upgrade after download (yes/no): no
Switch-version server after upgrade [valid only for ISO] (yes/no): no

Do you want to continue with these settings (yes/no) [no]: yes

Checking for valid upgrades.  Please wait...

Available CUCM options and upgrades in "10.77.30.197:/common/adminsftp/fresh_install":

 1) UCSInstall_UCOS_14.0.1.11900-9000.iso
 2) UCSInstall_UCOS_14.0.1.12900-9003.iso
 3) ciscocm.ucmap_platformconfig_relkey-v1.4.k4.cop.sha512
 q) quit

Please select an option (1 - 3 or "q" ): 2


Available IMP options and upgrades in "10.77.30.197:/common/adminsftp/fresh_install":

 1) UCSInstall_CUP_12.5.1.16000-9004.iso
 2) UCSInstall_CUP_14.0.1.11900-7.sha512.iso
 3) UCSInstall_CUP_14.0.1.12600-9002.iso
 4) ciscocm.ucmap_platformconfig_relkey-v1.4.k4.cop.sha512
 q) quit

Please select an option (1 - 4 or "q" ): 3
```

```
Processing the cluster wide download...


CUCM-35                                  Download complete
CUCM-34                                  Download complete
IMP-37                                   Download complete
IMP-36                                   Download complete

Cluster wide Download complete

A system reboot is required when the upgrade process is complete or cancelled.This will
ensure the services affected by the upgra              de process are functioning properly


  Downloaded UCM Image: UCSInstall_UCOS_14.0.1.12900-9003.iso
  File version: 14.0.1.12900-9003
  File checksum : (MD5): 3d:46:a5:d6:41:6e:9a:93:56:aa:56:d0:4b:4a:1b:9d
                  (SHA512):
0d2bb7d49752179eeb2555f3a983e166be0c097185c207e581f741bcde026d526cc4bea13ce1ec8cd4249b6cd4c926285e92e
               27704bf61d7062af18ac4e0a2d0

  Downloaded IMP Image: UCSInstall_CUP_14.0.1.12600-9002.iso
  File version: 14.0.1.12600-9002
  File checksum : (MD5): e0:0c:f8:b9:a3:a1:d3:2e:02:68:51:78:b1:31:04:4c
                  (SHA512):
e7e22a1d5068b3189148d343d41379dc0efe1a3a4b0c764ec7040d1a18de2b45d6bd307f0880af68c96b060255fe77be1795c
               162878070b47b340a210873c36b

The IMP servers in the cluster must be rebooted after Unified CM publisher is switched to
the new version, even IF IMP servers ar               e not being being upgraded

Automatically switch versions if the upgrade is successful (yes/no): no

Start installation (yes/no):  yes
Cluster-wide upgrade has been initiated...


Node                           Role             Step   Description                Historical
 Time       Elapsed Time
----                            ----              ----   -----------
-----------------      ------------

CUCM-35                         CUCM Subscriber  3/22   setup                       00:01:15
              00:01:14
CUCM-34                         CUCM Publisher   3/22   setup                       00:01:15
              00:01:12
IMP-37                          IM&P Subscriber  4/21   verify                      00:00:13
              00:00:09
IMP-36                          IM&P Publisher   4/21   verify                      00:00:13
              00:00:15
Cluster                         -                -      Overall cluster progress    04:30:22
              00:01:18
```

utils system enableAdministration

Configuration changes are not permitted during an upgrade; however, you can use this command to enable emergency provisioning during an upgrade.

Caution Once you begin the upgrade process, configuration changes are not permitted until the upgrade is complete and you have performed all of the post-upgrade tasks. Configuration changes include:

- changes made through any of the Unified Communications Manager or IM and Presence Service graphical user interfaces (GUI), the command line interface (CLI), or the AXL API
- LDAP synchronizations, including incremental synchronizations that are pushed to Unified Communications Manager from an Oracle LDAP
- automated jobs
- devices attempting to autoregister

Any configuration changes that you make during an upgrade may be lost, and some configuration changes can cause the upgrade to fail.

utils system enableAdministration

Command Modes Administrator (admin:)

Requirements

Command privilege level: 1 and 4

utils update dst

This command updates the daylight saving time (DST) rules for the current year.

utils update dst

Command Modes Administrator (admin:)

Usage Guidelines This command takes a backup of the existing DST rules file and creates a new DST rules file for the current year.

Caution Restart the phones after you execute the command. Not restarting the phones results in wrong DST start and stop dates.

Requirements

Command privilege level: 0

Allowed during upgrade: No

Applies to Unified Communications Manager and IM and Presence Service.

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 Unified Communications Manager

utils vmtools refresh

This command refreshes the currently installed VMware Tools to the latest version that is prescribed by the ESXi host for that VM.

Note After the initial reboot, VMware Tools are in the **`running`** state. When you upgrade to a newer version of VMware Tools, selinux may initially block the installation. In this case, the system still allows VMware Tools to install, but a new dynamic policy is generated to suppress any additional selinux blockage. You can view the new dynamic policy with the **utils os secure dynamic-policies list** command. For more information, see the **utils os secure dynamic-policies** CLI command.

Note This is applicable for native vmtools.

utils vmtools refresh

Command Modes

Administrator (admin:)

Usage Guidelines

To update the current version of the VMware Tools, select **Guest** > **Install/Upgrade VMWare Tools** > **Interactive Tools Upgrade**.

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:utils vmtools refresh
VMware Tools match host. Upgrade allowed, though not required.

***   W A R N I N G   ***
Running this command will update your current version of VMware Tools
to the latest version prescribed by the ESXi host on which this VM is
running. The tools install will cause your system to reboot twice.
```

utils vmtools status

This command displays the type and the version of currently installed VMware Tools.

utils vmtools status

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

utils vmtools switch open

This command uninstalls the currently installed native VMware Tools and installs the open VMware Tools.

utils vmtools switch open

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

utils vmtools switch native

This command uninstalls the currently installed open VMware Tools and installs the native VMware Tools.

utils vmtools switch native

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

utils system boot status

This command shows the location where the system boot messages are to be sent. The location is either console or serial port one.

utils system boot status

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

utils system upgrade dataexport initiate

This command exports the nodes configuration and user data to a remote SFTP server, for use in a later fresh install with data import.

utils system upgrade dataexport initiate

Syntax Description

Parameters	Description
Export Data Directory	Remote directory
Remote Server Name or IP	Remote SFTP
Remote Server Login ID	Username of remote server

Parameters	Description
Remote Server Password	Password for remote server
New Hostname	Destination hostname
New IP Address	Destination IP

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

Note This command should be executed on Publisher first followed by all subscriber nodes in the cluster. Same SFTP Remote server details should be configured for all nodes in the cluster.

utils system upgrade dataexport status

This command displays the status of the dataexport operation for this cluster node.

utils system upgrade dataexport status

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

utils system upgrade dataexport cancel

This command cancels the ongoing dataexport operation.

utils system upgrade dataexport cancel

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

utils ucmgmt agent disable

This command will disable the agent, stop it from running, and prevent it from restarting.

utils ucmgmt agent disable

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 Unity Connection

Example

```
admin:utils ucmgmt agent disable
Stopping cloud_agent (via systemctl):  [  OK  ]
```

utils ucmgmt agent enable

This command will start the agent and enable the watchdog process to ensure that it is running.

utils ucmgmt agent enable

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:utils ucmgmt agent enable
Agent watchdog activated.
Agent will start up shortly(~ 5 minutes).
```

utils ucmgmt agent remove

This command will remove the agent and all of its configurations. This is equivalent to running the uninstall cop file.

utils ucmgmt agent remove

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 Unity Connection

Example

```
admin:utils ucmgmt agent remove
Removing agent..
Starting removal of UC Management Agent
Agent removal complete.
```

utils ucmgmt agent restart

This command will restart a running agent immediately, and force the agent to register with the cloud service.

utils ucmgmt agent restart

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 Unity Connection

Example

```
admin:utils ucmgmt agent restart
Stopping agent..
Agent is restarting. Check agent status with 'utils ucmgmt agent status'.
```

utils ucmgmt agent status

This command display status information about the agent.

utils ucmgmt agent status

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 Unity Connection

Example

```
admin:utils ucmgmt agent status
Agent Config Information:
   Verification Code: ZUSXXXP9
   Installed UCMGMT Agent version: 20210831-VOS
   Agent's organization id: XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX


Agent Runtime Information:
   Agent process is not running.
   To start up the agent, run 'utils ucmgmt agent restart'.
   Agent process is enabled.
   Agent watchdog is enabled.
   Agent is not verified in Webex Control Hub.
```

utils ucmgmt agent verification

This command displays the verification code of the successfully installed agent.

utils ucmgmt agent verification

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 Unity Connection

Example

```
admin:utils ucmgmt agent verification

Verification Code: XXXXXXXX
```

utils ucmgmt config export

This command creates an agent configuration string for import into an unconfigured agent node.

utils ucmgmt config export

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 Unity Connection

Example

```
admin:utils ucmgmt config export

Organization and proxy configuration processing complete.

This config can be imported into an unconfigured destination node by running (if available):
'utils ucmgmt config import [[2SedFCjFJiXYUuzwYrxf9mlY9FdH_....==]]'
```

utils ucmgmt config import

This command imports a configured agent and enables this agent. The agent still needs to be verified in Control Hub.

utils ucmgmt config import

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 Unity Connection

Example

```
admin:utils ucmgmt config import
[[2SedFCjFJiXYUuzwYrxf9mlY9FdH_U2FsdGVkX18QtlFwVd4dYKIQqnlLLuvilAGRhTapcaKxWdEFPmhsWIzApSmrymrkYHJq4.....
HE0AUZBfkjBvDpnq5incYdS8SOPTfVilxcKk7x/BIzuSYAIpcRKu+uP6XNQ318z/KigrDClCN03Z+bjrCrxg6ySzrPzA=]]
Found compatible org in config (XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX).

Configuration import is complete.
Agent service will auto-start in the next 5 minutes.
To start the UCMGMT agent immediately run 'utils ucmgmt agent restart'
```

utils ucmgmt organization

This command sets the Control Hub organization ID for the agent if it is not already set.

utils ucmgmt organization

Syntax Description

Parameters	Description
organization_id	Organization ID can be found on the Control Hub. This is a mandatory field.

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 Unity Connection

Example

```
min:utils ucmgmt organization
XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX
```

utils ucmgmt proxy add

This command will validate the cloud controller access by using the supplied proxy information. If successful, the proxy is added to the ucmgmt proxy list.

utils ucmgmt proxy add

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 Unity Connection

Example

```
admin:utils ucmgmt proxy add http://proxy.proxy-example.com:8080 test
(Optional) Validating Proxy Password (won't display):
Re-enter Proxy Password (won't display):

Attempting to contact UCMGMT Cloud Controller... please wait (upto 30 seconds).
Successfully contacted controller.
{"serviceName": "Lookup Service", "serviceType":
"REQUIRED", "serviceState": "online", "message": "Healthy",
"lastUpdated": "2022-10-04T22:49:53", "upstreamServices": []}

Adding proxy.proxy-example.com:8080 to proxy list.
```

Example

```
admin:utils ucmgmt proxy add http://proxy.proxy-example.com:80

Attempting to contact UCMGMT Cloud Controller... please wait (upto 30 seconds).
Successfully contacted controller.
{"serviceName": "Lookup Service", "serviceType": "REQUIRED",
"serviceState": "online", "message": "Healthy",
"lastUpdated": "2022-10-06T17:10:30", "upstreamServices": []}

Adding http://proxy.proxy-example.com:80 to proxy list.
```

utils ucmgmt proxy clear

This command will clear all the proxies stored for this node.

utils ucmgmt proxy clear

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 Unity Connection

Example

```
admin:utils ucmgmt proxy clear
```

utils ucmgmt proxy force add

This command will add an unvalidated proxy to the agent configured. Proxy will be added to the ucmgmt proxy list without access validation.

utils ucmgmt proxy force add

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 Unity Connection

Example

```
admin:utils ucmgmt proxy force add http://staged.proxy.example.com:8080 user1
(Optional) Validating Proxy Password (won't display):
Re-enter Proxy Password (won't display):

Adding http://staged.proxy.example.com:8080 to proxy list.
```

Example

```
admin:utils ucmgmt proxy force add http://proxy.proxy-example.com:80

Adding http://proxy.proxy-example.com:80 to proxy list.
```

utils ucmgmt proxy list

This command lists all the proxies stored for this node. Authenticating proxy credentials listings will redact passwords.

utils ucmgmt proxy list

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 Unity Connection

Example

```
admin:utils ucmgmt proxy list
    "http://proxy.example.com:80"
    "http://user1:<REDACTED>@staged.proxy.example.com:8080"
```