



Command-Line Interface Reference Guide for Cisco TelePresence Immersive Systems

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Command-Line Interface Reference Guide for Cisco TelePresence Immersive Systems
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Preface

Revised: September 29, 2020

This preface describes the purpose, audience, organization, and conventions of the *Command-Line Interface Reference Guide for Cisco TelePresence Immersive Systems* and provides information on how to obtain related documentation or get help.

This preface contains the following topics:

- [General Description, page v](#)
- [Audience and Scope, page v](#)
- [New and Changed Information, page v](#)

General Description

This guide describes how to configure, maintain, and monitor immersive Cisco TelePresence Systems using command-line interface (CLI) commands, and includes the commands for all immersive software releases, including CTS, TX, and IX.

Use this guide with the [Cisco TelePresence System Administration Guide](#) for your release on Cisco.com.

Audience and Scope

This guide is directed to administrators who use the CTS CLI to monitor and maintain the CTS.

New and Changed Information

New and Changed Information September 2020

The following table describes the changes made for the September 2020 version of the document.

Command Family	Change
Call	<ul style="list-style-type: none"> • call add-in: syntax change • call send DTMF: new • call start: syntax change
Diag	<ul style="list-style-type: none"> • diag audio loopback enable status: new • diag audio loopback status: deprecated in IX 8.0 and later • diag audio speaker test: syntax change • diag camera switch: deprecated in IX 8.0 and later • diag display capture loopback: syntax change • diag display register dump: deprecated in IX 8.0 and later • diag system: new parameter
File	<ul style="list-style-type: none"> • file get cert: new
Set	<ul style="list-style-type: none"> • set audio level main: parameter change • set camera-zoom-step disable: deprecated in IX 8.0 and later • set camera-zoom-step enable: deprecated in IX 8.0 and later • set config: deprecated in IX 8.0 and later • set downrev-cucm disable: deprecated in IX 8.0 and later • set downrev-cucm enable: deprecated in IX 8.0 and later • set hardware doc-camera reset: deprecated in IX 8.0 and later • set network interface mtu: parameter range correction • set rate frame: deprecated in IX 8.0 and later • set snmp log_level: updated

Command Family	Change
Show	<ul style="list-style-type: none"> • show audio level main: new • show audio status: deprecated in IX 8.0 and later • show call statistics bfcf: new • show camera-zoom-step status: deprecated in IX 8.0 and later • show cert mic-ca: new • show hardware projector: deprecated in IX 8.0 and later • show meetings detail: typographical error in title; syntax change • show remote status: deprecated in IX 8.0 and later • show snp log_level: new • show touch switchmode: typographical errors • show video status: deprecated in IX 8.0 and later
Utils	<ul style="list-style-type: none"> • utils ipsla responder enable: parameter correction • utils logs generate: new • utils logs generate abort: deprecated in IX 8.0 and later • utils logs generate audio: deprecated in IX 8.0 and later • uils logs generate ftp: changed to utils logs ftp from IX 8.0.2.2 • utils logs generate other: deprecated in IX 8.0 and later • utils logs generate presentation: deprecated in IX 8,0 and later • utils logs generate recording: deprecated in IX 8.0 and later • utils logs generate scp: changed to utils logs scp in IX 80.2.2 • utils logs generate sftp: changed to utils logs sftp • utils logs generate video: deprecated in IX 8.0 and later • utils micgain set: parameter range change • utils upgrade recheck-peripherals: new





Using Cisco TelePresence Immersive System CLI Commands

Revised: April 22, 2020

This chapter explains how to use command-line interface (CLI) commands with your immersive Cisco TelePresence system. This chapter contains the following information:

- [Starting a CLI Session, page 1-1](#)
- [Managing Passwords, page 1-2](#)
- [CLI Basics, page 1-6](#)
- [Monitoring Performance Management, page 1-7](#)

Starting a CLI Session

You can only access the CLI remotely. Use Secure Shell (SSH) from a personal computer or workstation to connect securely to the system.

Before You Begin

Before you begin, be sure that you have the following information:

- System IP address
- Administrator ID and password

You will need this information to log into the system.



Note

The administrator ID and password can be changed in the Cisco Unified Communications Manager (Cisco Unified CM) device page. See the [Cisco Unified Communications Manager Configuration Guide for the Cisco TelePresence System](#) for more information.

Procedure

To start a CLI session, follow these steps:

Step 1 From a remote system, use SSH to connect securely to the system. In your SSH client, enter the following:

```
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**.

Step 2 Enter your administrator ID. The system prompts you for a password.

Step 3 Enter your password. The CLI prompt displays. The prompt represents the Administrator ID. For example:

```
admin:
```

Step 4 Proceed by entering CLI commands.

Managing Passwords

This section contains the following password information:

- [Password Aging, page 1-2](#)
- [Password Notices, page 1-3](#)
- [Resetting Your Password in Cisco Unified CM, page 1-4](#)
- [Resetting Your Password, page 1-4](#)
- [Password Character Support, page 1-5](#)
- [Login History, page 1-5](#)
- [Password Troubleshooting, page 1-5](#)

Password Aging

To ensure that your system is protected when using Cisco TelePresence Command Line Interface (CLI), you must periodically update your password. The system alerts you to the number of days remaining on your current password in the login banner when you log onto the system. The system issues a warning when 14 days remain on your current password, and so on until the password expires. You may get a message similar to the following at login:

“Password change required in 10 days.”



Warning

If the password is allowed to expire, the system will ignore the login attempt and you cannot access the system. You must create a new password using Cisco Unified Communications Manager. See the “[Resetting Your Password in Cisco Unified CM](#)” section on page 1-4 for more information.

In CTS Release 1.6.1, the password life (the maximum age, in days) can be configured using new fields on the Cisco Unified CM **Device > Phone > Product Specific Configuration Layout > Secure Shell Information** page:

- SSH Admin Life
- SSH Helpdesk User
- SSH Helpdesk Password
- SSH Helpdesk Life

The password expiration can be set to have a value between 0 and 365. A setting of 0 disables password aging, and the default is 60 days. Unless the configured life has been disabled (by being set to 0), password age is set to have 2 days remaining in the following situations:

- New installations and factory resets.
- Software upgrades (if the password age is less than the configured age).
- Password recovery (using the **pwrecovery** command).

Password Notices

When the password age has expired, a warning message is shown briefly on-screen before logging out. Notice information is printed at login when there are 14 days or less remaining on the current password.

When you log in, you will receive one of three banners:

Example 1-1 7 to 14-Day Warning

If your password is about to expire within 7 to 14 days, you will see a message similar to the following:

```
customer@mypc #1000:ssh admin@108.100.000.25
admin@108.100.000.25's password:
Command Line Interface is starting up, please wait ...

Welcome to the TelePresence Command Line Interface (version 1.1)

Last login: Wed Dec 9 22:22:58 PST 2009 from philly.cisco.com
Password change required in 10 days

admin:
```

Example 1-2 0 to 7-Day Warning

If your password is about to expire within 0 to 7 days, you will see a message similar to the following:

```
customer@mypc #1000:ssh admin@108.100.000.25
admin@108.100.000.25's password:
Command Line Interface is starting up, please wait ...

***** Warning *****
You must change your admin password in the next 2 days
***** Warning *****

Welcome to the TelePresence Command Line Interface (version 1.1)
Last login: Fri Nov 13 13:12:42 PST 2009 from mypc.cisco.com
Password change required in 2 days

admin:
```

Example 1-3 0 Days Remaining

If your password is expiring with 0 days remaining on the current password, the following banner is shown. The session waits for 10 seconds then disconnects.

```
customer@mypc #1000:ssh admin@108.100.000.25
admin@108.100.000.25's password:
Command Line Interface is starting up, please wait ...

***** Warning *****

You have not changed your admin password in more than 60 days
The admin account login has been disabled

*****
* *
* Please go to the CUCM and change the password *
* *
*****

***** Warning *****

Connection to 108.100.000.25 closed.
```

Resetting Your Password in Cisco Unified CM

See the [Cisco Unified Communications Manager Configuration Guide for Cisco TelePresence System](#) and follow these steps to create a new password:

-
- Step 1** Log into the Cisco Unified CM Administration application.
 - Step 2** Navigate to **Device > Phone > Product Specific Configuration Layout**.
 - Step 3** Scroll down to the **Secure Shell Information** window.
 - Step 4** Change your password using the following guidelines:
 - Maximum field length—64 characters
 - Minimum field length—6 characters
 - Step 5** Save your changes by clicking **Restart**. This enables the updated configuration to be read and applied to the system; and then Calling Service is restarted. Alternately you can click **Reset**, which causes the system to reboot. On startup, the system reads the Cisco Unified CM configuration and applies any changes.
-

Resetting Your Password

To reset your system codec password, follow these steps:

-
- Step 1** SSH into the codec from your laptop.
 - Step 2** Login with the following:
 - Username: **pwrecovery**
 - Password: **pwreset**

The following message appears in the SSH client window:

```
Could not chdir to home directory /nv/home/pwrecovery: No such file or directory
*****
*****
** **
** Welcome to password reset **
** **
*****
*****
Do you want to continue ? (y/n):y
Preparing the system...
Please enter the passcode:
```



Note

You must be in the room to read the passcode that shows on the main display.

If you encounter any difficulty, open a case with Technical Assistance Center (TAC) via the Internet at <https://www.cisco.com/c/en/us/support/index.html>, or contact your Cisco technical support representative and provide the representative with the information you have gathered about the problem.

Restoring Connectivity to the Codec

If you lose connectivity to the codec, refer to the Cisco TelePresence System Assembly, Use & Care, and Field-Replaceable Unit Guide for your system on Cisco.com:

Support > **Products** > **TelePresence** > **Cisco TelePresence System**

Password Character Support

Cisco CLI accepts the “\$” (currency) symbol in passwords, but other components of the Cisco TelePresence System do not support the “\$” symbol, including the immersive TelePresence endpoints and Cisco Unified CM. Therefore, Cisco recommends that you do not use the “\$” symbol in your CLI passwords.

Login History

For enhanced security, the system reports the most recent login history when you initially log into the system. The login history reports the user, time, and location of the last successful login.

Password Troubleshooting

See the [Cisco TelePresence System Troubleshooting Guide](#) for information about system passwords and troubleshooting the system and Cisco Unified CM Administration interfaces and related hardware components.

CLI Basics

The following sections contain basic tips for using the command-line interface:

- [Completing Commands, page 1-6](#)
- [Getting Help with Commands, page 1-6](#)
- [Ending a CLI Session, page 1-7](#)

Completing Commands

Use the **Tab** key to complete CLI commands and observe the following guidelines:

- Enter the start of a command and press **Tab** to complete the command. For example, if you enter **se** and press **Tab**, the **set** command 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.
- When a command is fully expanded using the **Tab** key, additional **Tab** key entries cause the current command line to repeat. This indicates that no additional expansion is available.

Getting Help with Commands

You can get two kinds of help on 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

Procedure

To get help with commands, follow these steps:

Step 1 To get detailed help, at the CLI prompt, enter the following:

```
help command
```

Where *command* specifies the command name or the command and parameter. See [Example 1-4](#).



Note

If you enter the **help** command without specifying the name of a particular command as the optional parameter, the system provides information about the CLI system.

Step 2 To query command syntax, enter the following at the CLI prompt:

```
command?
```

Where *command* represents the command name or the command and parameter. See [Example 1-5](#).

**Note**

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

Example 1-4 Detailed Help Example:

```
admin:help file list log

list log help:
This will list 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 log sysop detail
27 Oct,2008 22:19:04          4  sysop.bin
27 Oct,2008 21:14:31          67  sysop00000.log
28 Oct,2008 15:41:58       3,964  sysop00001.log
dir count = 0, file count = 3
```

Example 1-5 Query Example:

```
admin:file list log ?

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

Ending a CLI Session

At the CLI prompt, enter **quit**. You are logged off, and the SSH session is dropped.

Monitoring Performance Management

Networks are functionally dynamic and fluid and various systems share the infrastructure in measurable increments. Critical applications such as point of sale systems, trading systems, financials, and Cisco TelePresence require specialized service guarantees. These service guarantees are provided by internal IT or by outsourced managed service providers by using agreed upon service level agreements (SLA) or operational level agreements (OLA). It is common for the managed service provider to offer SLAs and OLAs as a value added service assurance. In some cases, if these SLAs/OLAs are not met, the provider might have to credit back portions of the managed service charges or allow the customer to

break the contract. Various methods are deployed to monitor and measure the agreed performance and availability levels for the agreed periods. Reviews of the performance and availability are typically performed monthly or quarterly.

Performance measuring techniques include monitoring various statistical items from devices in the infrastructure and using simulated traffic analysis or probe-based network packet analysis. Many organizations choose to use proactive simulated traffic analysis over packet level probes since they provide in-band analysis through the infrastructure by participating as a host.

Cisco provides a solution called Internet Protocol Service Level Agreement (IPSLA) for in-band simulated traffic analysis. The solution has two components:

- [IPSLA Initiators, page 1-8](#)
- [IPSLA Responders, page 1-8](#)

IPSLA Initiators

IPSLA initiators configure test probes, such as User Datagram Protocol (UDP) jitter probe, with an IPSLA responder destination. The initiator maintains the configuration and all collection history reporting information needed to generate traps (reaction triggers) and syslog messages. The IPSLA responder interacts with the initiator by responding to the initiators probe request based on the initiator configuration. There is little configuration on the IPSLA responder since IPSLA implements a control message (UDP port 1967) that dynamically configures the responder.

IPSLA functionality in the codec provides customers and service providers with a method available through Cisco to measure and monitor network performance without having to deploy additional equipment to support the Cisco TelePresence implementation. In addition, Cisco Unified Operations Manager (CUOM) supports IPSLA in the current releases. With the codec as a responder, the configuration is simplified because the codec already exists in the network as a host and has the designed QoS trust port settings.

IPSLA Responders

IPSLA responders are daemons that are enabled and disabled with CLI. The responder runs silently in the background under normal user priority and controls and supports the CLI interface and firewall integration for the IPSLA responder in the system.

To ensure preventive security measures, such as preventing random IPSLA initiators from querying the codec, the following security items are included:

- Host/Network based access control that directs which initiators can access the codec. This is controlled with the CLI using the **utils ipsla responder** commands in [Chapter 8, “Utils Commands.”](#)
When the IPSLA responder is started (enabled), an initiators list file will be loaded via `/usr/local/bin/firewall`.
- IPSLA responder is supported through the control message dynamic port allocation, which is based on the initiators configuration. A constraint option supplied to the **enable** command in the CLI limits the range of tcp/udp ports that are allowed. The user can configure the acceptable UDP/TCP port ranges for initiator requests. The responder code has been updated to deny any request that does not fall within the allowed range. The internal firewall blocks the incoming traffic if the system is not configured using the initiators list.

The IPSLA responder is disabled by default and the firewall blocks inbound requests. A persistent file is maintained in `/nv/usr/local/etc/ipsla_resp.allow` for the valid initiators and port ranges. The script `/etc/rc.d/init.d/ipsla` is called during system startup to check if the `ipsla_resp.allow` file exists with valid initiators. If true, IPSLA responder is started using the stored settings. If not true, IPSLA will not be started during system startup.



Call Commands

Revised: September 29, 2020

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

- [call add-in](#)
- [call answer](#)
- [call end](#)
- [call hold](#)
- [call resume](#)
- [call send DTMF](#)
- [call start](#)
- [call state](#)

call add-in

call add-in { word }

Syntax Description	<i>word</i>	Required. Directory number or SIP URI
Command Default	No default behavior or values.	
Command History	Release	Modifications
	1.9	This command was introduced.
	IX 9.0	Syntax updated
Usage Guidelines	Use this command to add an audio-only call to an existing conference. You must already be in a call to add an audio add-in.	
Examples	<pre>admin:call add-in 7890@cisco.com Starting add-in call to 7890@cisco.com; DONE Waiting for the call to be answered: DONE Trying to join the conference: DONE</pre>	
Related Commands	Command	Description
	call answer	Answers an incoming call.
	call end	Terminates the current call or calls.
	call start	Initiates a call to the specified address.

call answer

call answer [*line number*]

Syntax Description

<i>line number</i>	Optional. Specify line 1 or line 2.
--------------------	-------------------------------------

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
1.5	The line number argument was added.
1.5.10	The help option was added.

Usage Guidelines

Use this command to answer an incoming call. You can also enter **help** in the command string to answer the incoming call:

```
help call answer
```

Examples

If more than one call is in a state to be answered, you may specify a specific line:

```
admin:call answer line 1
```

Related Commands

Command	Description
call add-in	Adds an audio-only call to an existing conference.
call end	Terminates the current call or calls.
call start	Initiates a call to the specified address.

call end

call end [*id number*]

Syntax Description	id number	Optional. Retrieve the ID of the call to drop by entering the show call status command.
---------------------------	------------------	--

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.5	The <i>address</i> argument was changed to <i>line number</i> .
	1.5.10	The help option was added.
	TX 6.0 and CTS 1.10	Added the ability to end a call by entering the ID of the call as returned by the show call status command.

Usage Guidelines Use this command to end the current call or calls. You can also enter **help** in the command string to terminate a specified call:

```
help call end
```

Examples If the call has an audio add-in, you can end either the audio or the video portion of the call by entering the **show call status** command and entering the ID for the call as returned by that command:

```
admin:call end id 2
```

Related Commands	Command	Description
	call add-in	Adds an audio-only call to an existing conference.
	call answer	Answers s an incoming call.
	call start	Initiates a call to the specified address.
	show call status	Initiates a call to the specified address.

call hold

call hold [*line number*]

Syntax Description

line number	Optional. Specify line 1 or line 2.
--------------------	-------------------------------------

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Optional. Use this command to place a specified call on hold. If more than one call is in a state to be ended, you may specify a specific line.

Examples

```
admin:call hold line 1
```

Related Commands

Command	Description
call resume	Resumes a call.

call resume

call resume [*line number*]

Syntax Description	line number	Optional. Specify line 1 or line 2.
Command Default	No default behavior or values.	
Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The help option was added.
Usage Guidelines	Optional. Use this command to resume a call on a specified line. You can also enter help in the command string to resume the specified call.	
	help call resume	
Examples	If more than one call is about to end, you may specify a specific line: admin: call resume line 1	
Related Commands	Command	Description
	call hold	Places a call on hold.

call send DTMF

`call send DTMF {call-id} {signal}`

Syntax Description

call-id	callid of call where DTMF signal needs to be passed
signal	DTMF string to be sent

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.0.2.2	This command was introduced.

Usage Guidelines

Use this command to send DTMF signal such as passcode while joining conference. You can also enter help in the beginning of command to know more detailed usage.

`help call send DTMF`

Examples

```
admin: call send DTMF 1 1234#
Sending dtmf signal...DONE
```

Related Commands

Command	Description
call add-in	Adds an audio-only call to an existing conference.
call answer	Answers s an incoming call.
call start	Initiates a call to the specified address.

call start

call start {*word*}

Syntax Description

<i>word</i>	Required. Telephone number or SIP URI to dial.
-------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
1.5.10	The help option was added.
IX 8.0	Remove A.B.C.D parameter

Usage Guidelines

Use this command to initiate a call to the specified address. You can also enter **help** in the command string to initiate a call to the specified address:

help call start



Note

You may only make one call at a time and cannot place a call on hold or resume a call.

Examples

```
admin: call start 12345
OR
admin: call start 132345@domain.com
```

Related Commands

Command	Description
call add-in	Adds an audio-only call to an existing conference.
call answer	Answers an incoming call.
call end	Terminates the current call or calls.

call state

call state

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The help option was added.

Usage Guidelines Use this command to view the state of an active call. Enter **help** to list the SIP stack call state:
help call state

Examples

```
admin:call state
Line 1 state: ANSWERED
```




Diag Commands

Revised: September 29, 2020

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

- [diag audio loopback disable](#)
- [diag audio loopback enable](#)
- [diag audio loopback enable status](#)
- [diag audio loopback status](#)
- [diag audio measurement](#)
- [diag audio speaker test](#)
- [diag camera switch](#)
- [diag display capture loopback](#)
- [diag display color-bars disable](#)
- [diag display color-bars enable](#)
- [diag display loopback full disable](#)
- [diag display loopback full enable](#)
- [diag display loopback full status](#)
- [diag display register dump](#)
- [diag display temperature get](#)
- [diag display temperature set](#)
- [diag system](#)

diag audio loopback disable

`diag audio loopback disable`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The help option was added.

Usage Guidelines Use this command to terminate a full diagnostic display loopback. You can also enter **help** in the command string to terminate a diagnostic audio loopback running on any of the microphones:

```
help diag audio loopback disable
```

Examples `admin:diag audio loopback disable`

```
Stopping Audio Loopback
```

Related Commands	Command	Description
	diag audio loopback enable	Turns on audio loopback.
	diag audio loopback status	Gives the status of the audio loopback.

diag audio loopback enable

`diag audio loopback enable [center | left | right [timeout number]]`

Syntax Description

timeout <i>number</i>	Optional. Length of time loopback will run (in seconds). Value is 10 to 3600. Default is 60
center	Initiates a diagnostic audio loopback on the center microphone.
left	Initiates a diagnostic audio loopback on the left microphone.
right	Initiates a diagnostic audio loopback on the right microphone.

Command Default

60

Command History

Release	Modifications
1.5	This command was introduced.
1.5.10	The center , left , and right keywords were added. The help option was also added.

Usage Guidelines

Use this command to initiate a full diagnostic display loopback. You can also enter **help** in the commands string to initiate a diagnostic audio loopback on the center, left, or right microphone(s):

```
help diag audio loopback enable center
```



Note

You must first end Calling Services by entering [utils service stop calling_services](#). Be sure to restart calling services when done.

Examples

The following example sets the timeout to the default value of 60:

```
admin: diag audio loopback enable timeout 60
```

The following example sets the timeout to 60 on the left microphone:

```
admin: diag audio loopback enable left timeout 60
```

```
Loopback is now running
```

Related Commands

Command	Description
diag audio loopback disable	Cancels audio loopback.
diag audio loopback status	Gives the status of the audio loopback.
utils service stop	Terminates a service.

diag audio loopback enable status

`diag audio loopback enable status`

Syntax Description This command has no arguments or keywords

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.2.2	This command was introduced.

Usage Guidelines This will give the status of the diagnostic audio loopback:

Examples

```
admin: diag audio loopback status
Loopback is not running
```

Related Commands	Command	Description
	diag audio loopback enable	Initiates audio loopback
	diag audio loopback disable	Cancels audio loopback.

diag audio loopback status

diag audio loopback status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The help option was added.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to check the audio loopback status. Indicates whether audio loopback is running. You can also enter **help** in the command string to view the status of the diagnostic audio loopback:

```
help diag audio loopback status
```

Examples admin:diag audio loopback status

```
Loopback is not running
```

Related Commands	Command	Description
	diag audio loopback enable	Initiates audio loopback.
	diag audio loopback disable	Cancels audio loopback.

diag audio measurement

diag audio measurement [**rt60** | **soundpressure**]

Syntax Description	rt60	Stops call services to perform a sound pressure audio capture.
	soundpressure	Captures sound pressure audio.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to stop call services to measure audio output.

Examples

```
admin diag audio measurement rt60
```

```
This will stop call services. Are you ready to continue?
[yes/no] yes
```

```
admin diag audio measurement soundPressure
```

```
This will stop call services. Are you ready to continue?
[yes/no] yes
```

```
It is imperative that you remain silent during the audio capture. Are you ready to begin
audio capture now?
[yes/no] yes
```

```
capturing sound pressure audio now. This could take a while, please be patient...
```

Related Commands	Command	Description
	diag audio loopback enable	Turns on audio loopback.
	diag audio loopback status	Gives the status of the audio loopback.

diag audio speaker test

diag audio speaker test [nosubwoofer | subwoofer]

Syntax Description

nosubwoofer	Tests speakers without subwoofer.
subwoofer	Tests speakers with subwoofer.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.9.0	This command was introduced.
IX 8.0	Parameter change from 'right left' to 'nosubwoofer subwoofer'

Usage Guidelines

Use this command to test the speakers.

Examples

```
admin diag audio speaker test nosubwoofer
Running test now. Please be patient...
Result: 0
```

diag camera switch

diag camera switch [center | left | right]

Syntax Description	center	Initiates a switch focus to the center camera.
	left	Initiates a switch focus to the left camera.
	right	Initiates a switch focus to the right camera.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced on the CTS 1300.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0

Usage Guidelines Use this command to switches camera focus on the CTS 1300.

Examples The following example switches the center camera focus:

```
admin:diag camera switch center
```

diag display capture loopback

diag display capture loopback [center | right | left]

Syntax Description

center	Captures the video loopback frame for the center camera.
left	Captures the video loopback frame for the left camera.
right	Captures the video loopback frame for the right camera.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.
IX 8.0.2.2	Command modified from 'diag display capture loopback' to 'diag display capture loopback [center left right]'

Usage Guidelines

Use this command to create a still image of the meeting room environment exactly as seen from the CTS camera in loopback mode. This information in the form of a .bmp image file is then submitted with the system logs for use in installation verification, camera alignment, and further troubleshooting activities associated with a normal installation or a service request. When you initiate the tool, the system sends a confirmation pop-up in the SSH command window, which you can accept (allow capture) or decline (no capture will be made). See the [“Troubleshooting Using the Camera Image Capture Tool”](#) section on page 9-1.

Examples

```
admin:diag display capture loopback center
Loopback is not running. Please enable display loopback and try again
```

Related Commands

Command	Description
diag display loopback full enable	Initiates a full diagnostic display loopback.

diag display color-bars disable

`diag display color-bars disable [center | left | right]`

Syntax Description

center	Disables color bars on the center display.
left	Disables color bars on the left display.
right	Disables color bars on the right display.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.
1.5.10	The center , left , and right keywords were added. The help option was also added.

Usage Guidelines

Use this command to terminate diagnostic color bar display. You can also enter **help** in the command string to disable the color bars on the specified screen, center, left, or right:

```
help diag display color-bars disable center
```

Examples

```
admin:diag display color-bars disable
```

Related Commands

Command	Description
diag display color-bars enable	Initiates diagnostic color bar display.

diag display color-bars enable

diag display color-bars enable [center | left | right]

Syntax Description

center	Disables color bars on the center display.
left	Disables color bars on the left display.
right	Disables color bars on the right display.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.
1.5.10	The center , left , and right keywords were added. The help option was also added.

Usage Guidelines

Use this command to initiate diagnostic color bar display. You can also enter **help** in the command string to enable the color bars on the specified screen, center, left, or right:

```
help diag display color-bars enable center
```

Examples

```
admin:diag display color-bars enable
```

Related Commands

Command	Description
diag display color-bars disable	Terminates diagnostic color bar display.

diag display loopback full disable

`diag display loopback full disable`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.5.10	The help option was added.

Usage Guidelines Use this command to terminate a full diagnostic display loopback. You can also enter **help** in the command string to terminate a full diagnostic display loopback:

```
help diag display loopback full disable
```

Examples admin:`diag display loopback full disable`

```
Stopping Display Loopback
```

Related Commands	Command	Description
	diag display loopback full enable	Initiates a full diagnostic display loopback.
	diag display loopback full status	Gives the status of the full diagnostic display loopback.

diag display loopback full enable

`diag display loopback full enable [timeout number]`

Syntax Description	<code>timeout <i>number</i></code>	Length of time the loopback should run (in seconds). Value is 10 to 3600. Default is 60
--------------------	------------------------------------	---

Command Default	60
-----------------	----

Command History	Release	Modifications
	1.2	This command was introduced.
	1.5.10	The help option was added.

Usage Guidelines Use this command to initiate a full diagnostic display loopback. You can also enter **help** in the command string to initiate a full diagnostic display loopback:

```
help diag display loopback full enable
```



Note

You must first end Calling Services by entering [utils service stop calling_services](#). Be sure to restart calling services when done.

See the [“Troubleshooting Using the Camera Image Capture Tool”](#) section on page 9-1.

Examples

```
admin:diag display loopback full enable timeout 60
```

Loopback is now running

Related Commands	Command	Description
	diag display capture loopback	Initiates the camera image capture tool.
	diag display loopback full disable	Terminates a full diagnostic display loopback.
	diag display loopback full status	Displays status of the full diagnostic display loopback.

diag display loopback full status

`diag display loopback full status`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.5.10	The help option was added.

Usage Guidelines Use this command to view the status of the full diagnostic display loopback. You can also enter **help** in the command string to give the status of the full diagnostic display loopback:

```
help diag display loopback full status
```

Examples

```
admin:diag display loopback full status

Loopback is not running
```

Related Commands	Command	Description
	diag display loopback full disable	Terminates a full diagnostic display loopback.
	diag display loopback full enable	Initiates a full diagnostic display loopback.

diag display register dump

diag display register dump

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.1	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to download diagnostic display register information. To retrieve the diagnostic display register information, use the **utils logs generate** command. See [Chapter 8, “Utils Commands.”](#)



Note

The register dump can take up to two minutes to complete.

Examples `admin:diag display register dump`

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

diag display temperature get

diag display temperature get [center | left | right]

Syntax Description	center	Retrieves the temperature of the center display.
	left	Retrieves the temperature of the left display.
	right	Retrieves the temperature of the right display.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The center , left , and right keywords were added. The help option was also added.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to view the current display temperature. You can also enter **help** in the command string to retrieve the current temperature of the center display for the center, left, and right display:

```
help diag display temperature get center
```



Note

You must first end Calling Services by entering [utils service stop calling_services](#). Be sure to restart calling services when done.

Examples

```
admin:diag display temperature get

Current Display Temperature is: 3000K
```

Related Commands	Command	Description
	diag display temperature set	Sets the display color temperature.
	utils service stop	Terminates a service.

diag display temperature set

diag display temperature set [3000 | 3500 | 4000 | 5000 | 6500 | 7500] [center | left | right]

Syntax Description		
	3000	Sets color temperature to 3000.
	3500	Sets color temperature to 3500.
	4000	Sets color temperature to 4000.
	5000	Sets color temperature to 5000.
	6500	Sets color temperature to 6500.
	7500	Sets color temperature to 7500.
	center	Sets color temperature on the center display.
	left	Sets color temperature on the left display.
	right	Sets color temperature on the right display.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.5.10	The center , left , and right keywords were added. The help option was also added.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to set the display color temperature. You can also enter **help** in the command string to set the temperature of a specified display (center, left, right) to a specified temperature:

```
help diag display temperature set 3000 center
```



Note

You must first end Calling Services by entering [utils service stop calling_services](#). Be sure to restart calling services when you are done.

Examples admin:diag display temperature 3000

Related Commands	Command	Description
	diag display temperature get	Displays the current display temperature.

diag system

diag system [normal | quick | extensive]

Syntax Description

normal	Runs a complete diagnostic check of the system.
quick	Runs a quick check of the system.
extensive	Runs an extensive diagnostics check on the system.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.9	This command was introduced.
TX 6.0	Added the 'extensive' option.
	Note: 'extensive' option not available in 1.x releases.

Usage Guidelines

Use this command to retrieve full or partial system diagnostics. The quick iteration of this command returns a subset of the full iteration but takes less time to perform.

diag system normal



Note

- You must first end Calling Services by entering **utils service stop calling_services**. Be sure to restart calling services when you are done.
- Mic tests for the second row will fail in 1-row systems.

Examples

The following example shows output of the full iteration of this command:

```
admin:diag system normal
Host CPU Results
9FG830 Test                ==> PASS
I2C Scan All               ==> PASS
LM25066 Test All          ==> PASS
PCA9547 Test              ==> PASS
PCI Test                   ==> PASS
PEX8796 EEPROM Test       ==> PASS
PIC 1 GPIO Test 0         ==> PASS
PIC 1 GPIO Test 1         ==> PASS
PIC 1 GPIO Test 2         ==> PASS
PIC 1 GPIO Test 3         ==> PASS
PIC 1 GPIO Test 4         ==> PASS
PIC 1 GPIO Test 5         ==> PASS
PIC 1 GPIO Test 6         ==> PASS
PIC 2 SPI Test 0          ==> PASS
PIC 2 SPI Test 1          ==> PASS
PIC 2 SPI Test 2          ==> PASS
```

```

USB PIC 1 Test          ==> PASS
USB PIC 2 Test          ==> PASS
USB PT Test             ==> PASS

Camera Results
FPGA Clock Test 1      ==> PASS
FPGA Clock Test 2      ==> PASS
FPGA Clock Test 3      ==> PASS
FPGA Ping Test         ==> PASS
Get FPGA Version       ==> PASS
Get HW Version          ==> PASS
Get SW Version          ==> PASS
Get Temperature        ==> PASS
Get Vmetrics Dump      ==> PASS
I2C Test 0             ==> PASS
I2C Test 1             ==> PASS
I2C Test 2             ==> PASS
I2C Test 3             ==> PASS
Imager Test 1 Vid Type 0 ==> PASS
Imager Test 2 Vid Type 0 ==> PASS
Imager Test 3 Vid Type 0 ==> PASS
PFlash Quick Test      ==> PASS

Video Receiver Results
Clock Test             ==> PASS
Ctrl1 version          ==> PASS
PCI Link Speed         ==> PASS
PIC ADC Test           ==> PASS
PIC GPIO Test          ==> PASS
PIC SI5338 Test        ==> PASS
PIC TMP102 Test        ==> PASS
PIC TPS40422 Test      ==> PASS

Encoder/Decoder Results
Board Revision         ==> PASS
Clock Gx01             ==> PASS
Clock Gx23             ==> PASS
ECB ID                 ==> PASS
Outlet Fan ID         ==> PASS
PLX Switch ID         ==> PASS
System Power           ==> PASS

Audio Card Results
I2C Test               ==> PASS
Pic USB Test           ==> PASS
Plekton ch 0 Mic Detect Test ==> PASS
Plekton ch 0 i2c1 Test ==> PASS
Plekton ch 0 i2c2 Test ==> PASS
Plekton ch 0 i2c3 Test ==> PASS
Plekton ch 1 Mic Detect Test ==> FAILED
Plekton ch 1 i2c1 Test ==> FAILED
Plekton ch 1 i2c2 Test ==> FAILED
Plekton ch 1 i2c3 Test ==> FAILED
Plekton ch 2 Mic Detect Test ==> FAILED
Plekton ch 2 i2c1 Test ==> FAILED
Plekton ch 2 i2c2 Test ==> FAILED
Plekton ch 2 i2c3 Test ==> FAILED
SPI Test               ==> PASS

```

The following example shows output of the quick iteration of this command:

```

admin:diag system quick
stopping SSCD

```

```
Stopping sscd...
Stopping sscd... DONE
sscd status = 3
```

Tests running. Please be patient as this may take a while.

Host CPU Results

```
9FG830 Test           ==> PASS
I2C Scan All          ==> PASS
LM25066 Test All      ==> PASS
PCA9547 Test          ==> PASS
PCI Test              ==> PASS
PEX8796 EEPROM Test   ==> PASS
PIC 1 GPIO Test 0     ==> PASS
PIC 1 GPIO Test 1     ==> PASS
PIC 1 GPIO Test 2     ==> PASS
PIC 1 GPIO Test 3     ==> PASS
PIC 1 GPIO Test 4     ==> PASS
PIC 1 GPIO Test 5     ==> PASS
PIC 1 GPIO Test 6     ==> PASS
PIC 2 SPI Test 0      ==> PASS
PIC 2 SPI Test 1      ==> PASS
PIC 2 SPI Test 2      ==> PASS
USB PIC 1 Test        ==> PASS
USB PIC 2 Test        ==> PASS
USB PT Test           ==> PASS
```

Camera Results

```
FPGA Clock Test 1     ==> PASS
FPGA Clock Test 2     ==> PASS
FPGA Clock Test 3     ==> PASS
FPGA Ping Test        ==> PASS
Get FPGA Version      ==> PASS
Get HW Version         ==> PASS
Get SW Version         ==> PASS
Get Temperature       ==> PASS
Get Vmetrics Dump     ==> PASS
PFlash Quick Test     ==> PASS
```

Video Receiver Results

```
Clock Test            ==> PASS
Ctrl1 version         ==> PASS
PCI Link Speed        ==> PASS
PIC ADC Test          ==> PASS
PIC GPIO Test         ==> PASS
PIC SI5338 Test       ==> PASS
PIC TMP102 Test       ==> PASS
PIC TPS40422 Test     ==> PASS
```

Encoder/Decoder Results

```
Board Revision        ==> PASS
Clock Gx01            ==> PASS
Clock Gx23            ==> PASS
ECB ID                ==> PASS
Outlet Fan ID         ==> PASS
PLX Switch ID         ==> PASS
System Power          ==> PASS
```

Audio Card Results

```
I2C Test              ==> PASS
Plekton ch 0 Mic Detect Test ==> PASS
Plekton ch 0 i2c1 Test ==> PASS
Plekton ch 0 i2c2 Test ==> PASS
Plekton ch 0 i2c3 Test ==> PASS
```



```
Plekton ch 1 Mic Detect Test ==> FAILED
Plekton ch 1 i2c1 Test ==> FAILED
Plekton ch 1 i2c2 Test ==> FAILED
Plekton ch 1 i2c3 Test ==> FAILED
Plekton ch 2 Mic Detect Test ==> FAILED
Plekton ch 2 i2c1 Test ==> FAILED
Plekton ch 2 i2c2 Test ==> FAILED
Plekton ch 2 i2c3 Test ==> FAILED
```

Retrieve Log of Test Results With
file get log scp <username> <password> <destination> sysdiag/System_diag.log

Related Commands None.



File Commands

Revised: September 29, 2020

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

- [file get cert](#)
- [file get log ftp](#)
- [file get log scp](#)
- [file get log sftp](#)
- [file list log](#)
- [file list nvboot](#)
- [file tail log](#)
- [file tail nvboot](#)
- [file view log](#)
- [file view nvboot](#)

file get cert

file get cert {LSC | MIC | MIC-CA} {username} {password} {server} {target folder}

Syntax Description

<i>LSC MIC MIC-CA</i>	Certificate type to be downloaded.
<i>username</i>	SCP server username
<i>password</i>	SCP server password.
<i>server</i>	Target SCP server
<i>target folder</i>	Target folder in SCP server, where cert needs to be kept.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.0.2.2	This command was introduced.
IX 8.1.0	MIC-CA option added

Usage Guidelines

Use this command to download LSC/MIC/MIC-CA certificate from IX5000 to SCP server. You can also enter **help** in the command string:

help file get cert

Examples

```
admin:file get cert LSC user pass server /tmp/
```

```
Uploading LSC to server ...DONE
```

Related Commands

Command	Description
show cert lsc	Display the LSC certificate.
show cert mic	Display the MIC certificate.
show cert mic-ca	Display the MIC-CA certificate

file get log ftp

```
file get log ftp {word word word |A.B.C.D word [detail]}
```

Syntax Description

<i>word</i>	Required. Username of the FTP .
<i>word</i>	Required. Password of the FTP account.
<i>word</i> <i>A.B.C.D</i>	Required. Destination as a hostname or dotted IP address.
<i>word</i>	Required. Specific file(s) to get. The file spec may contain wildcards (*).
<i>detail</i>	Optional. Displays transfer status.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.

Usage Guidelines

Use this command to transfer the log file(s) to an external server using FTP. A directory path may be appended to the destination. For example: ftpserver/dir1/dir2 - dir1 and dir2 directories must exist and have write access. You can also enter **help** in the command string:

```
help file get log ftp
```



Note

The upload transfer rate of the file is artificially limited. The rate is based of the Cisco Unified CM quality setting.

To do an anonymous FTP with no password, use a pair of quotes for the password. For example:

```
utils logs ftp anonymous "" ftpserver
```

Examples

```
admin:file get log ftp anonymous "" ftpserver secm/*.log detail
```

```
rate limited to 500K bytes per second
File (*.log) sent successfully
```

```
admin:file get log ftp anonymous "" ftpserver/mydir cli/capture/netCapture.cap
```

```
rate limited to 500K bytes per second
File (netCapture.cap) sent successfully
```

Related Commands

Command	Description
file get log scp	SCPs the log file(s) to an external server.
file get log sftp	SFTPs the log file(s) to an external server.

file get log scp

```
file get log scp {word word word |A.B.C.D word [detail]}
```

Syntax Description

<i>word</i>	Required. Username of the SCP .
<i>word</i>	Required. Password of the SCP account.
<i>word</i> <i>A.B.C.D</i>	Required. Destination as a hostname or dotted IP address.
<i>word</i>	Required. Specific file(s) to get. The file spec may contain wildcards (*).
detail	Optional. Displays transfer status.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.

Usage Guidelines

Use this command to transfer the log file(s) to an external server using SCP. A directory path may be appended to the destination. For example: `scpserver/dir1/dir2` - dir1 and dir2 directories must exist and have write access. You can also enter `help` in the command string:

```
help file get log scp
```



Note

The upload transfer rate of the file is artificially limited. The rate is based of the Cisco Unified CM quality setting.

Examples

```
admin:file get log scp testuser testpass scpserver secm/*.log detail
```

```
rate limited to 500K bytes per second
File (*.log) sent successfully
```

```
admin:file get log scp testuser testpass scpserver/mydir cli/capture/netCapture.cap
```

```
rate limited to 500K bytes per second
File (netCapture.cap) sent successfully
```

Related Commands

Command	Description
file get log sftp	SFTPs the log file(s) to an external server.
file list log	FTPs the log file(s) to an external server.

file get log sftp

```
file get log sftp {word word word |A.B.C.D word [detail]}
```

Syntax Description

<i>word</i>	Required. Username of the SFTP .
<i>word</i>	Required. Password of the SFTP account.
<i>word</i> A.B.C.D	Required. Destination as a hostname or dotted IP address.
<i>word</i>	Required. Specific file(s) to get. The file spec may contain wildcards (*).
detail	Optional. Displays transfer status.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.

Usage Guidelines

Use this command to transfer the log file(s) to an external server using SFTP. A directory path may be appended to the destination. For example: `sftpserver/dir1/dir2` - dir1 and dir2 directories must exist and have write access. You can also enter `help` in the command string:

```
help file get log sftp
```



Note

The upload transfer rate of the file is artificially limited. The rate is based of the Cisco Unified CM quality setting.

To do an anonymous SFTP with no password, use a pair of quotes for the password. For example:

```
utils logs sftp anonymous "" sftpserver
```

Examples

```
admin:file get log sftp testuser testpass sftpserver secm/*.log detail
```

```
rate limited to 500K bytes per second
File (*.log) sent successfully
```

```
admin:file get log sftp anonymous "" sftpserver/mydir cli/capture/netCapture.cap
```

```
rate limited to 500K bytes per second
File (netCapture.cap) sent successfully
```

Related Commands

Command	Description
file get log scp	SCPs the log file(s) to an external server.
file list log	FTPs the log file(s) to an external server.

file list log

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

Syntax Description

<i>file-spec</i>	Required. File to view. You can use * as a wildcard.
page	Optional. Pause output.
detail	Optional. Show detailed listing.
reverse	Optional. Sort in reverse order.
date	Optional. Sort by date.
size	Optional. Sort by size.
remote	Optional. Remote log file to list.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to list logging files.

Examples

```
admin:file list log sysop detail
```

```
24 Apr,2009 01:26:06          4  sysop.bin
24 Apr,2009 01:23:34          67  sysop00000.log
24 Apr,2009 17:30:49       7,324  sysop00001.log
dir count = 0, file count = 3
```


file list nvboot

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

Syntax Description	<i>file-spec</i>	Required. File to view. You can use * as a wildcard.
	page	Optional. Pause output.
	detail	Optional. Show detailed listing.
	reverse	Optional. Sort in reverse order.
	date	Optional. Sort by date.
	size	Optional. Sort by size.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to list NV bootlog files.

Examples

```
admin:file list nvboot * detail

09 Nov,2008 03:59:56      46,150  cfsync.log
09 Nov,2008 03:59:57      34,858  cfupgrade.log
09 Nov,2008 04:00:01     132,641  rc.log
09 Nov,2008 03:59:58      23,152  uiNotification.log
28 Oct,2008 17:55:48      34,604  upgPeripheral.log
dir count = 0, file count = 5
```

file tail log

file tail log *{file-spec [hex]}*

Syntax Description

<i>file-spec</i>	Required. File to tail.
<i>hex</i>	Optional. Hexadecimal.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to tail the contents of a file in the logging area. Press Control-C to stop the command.

Examples

```
admin:file tail log sysop/sysop00001.log
```

```
Rx Pkts Late                0
Rx Pkts AuthFail           0
Rx Jitter/Call              0
Rx Jitter/Period            0
Control-C pressed
```

file tail nvboot

file tail nvboot *{file-spec [hex]}*

Syntax Description	<i>file-spec</i>	Required. File to tail.
	<i>hex</i>	Optional. Hexadecimal.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to tail the contents of a file in the NV bootlog area. Press Control-C to stop the command

Examples

```
admin:file tail nvboot rc.log

Starting keyExchange... DONE
Starting cca...
Starting cca... DONE
Starting HDMI Monitor Main Rx...
....
trimming bootlog files
file /nv/bootlog/cfsync.log trimmed to 985 lines
file /nv/bootlog/cfupgrade.log trimmed to 995 lines
file /nv/bootlog/upgPeripheral.log left at 993 lines
file /nv/bootlog/uiNotification.log trimmed to 999 lines
file /nv/bootlog/rc.log trimmed to 3996 lines
Control-C pressed
```

file view log

file view log {*file-spec* [*hex*]}

Syntax Description

<i>file-spec</i>	Required. Log file to view.
<i>hex</i>	Optional. Hexadecimal.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.
TX 6.0 and CTS 1.10	Added the ability to view the sysop log with the file view log sysop/sysop00000.log iteration of this command.

Usage Guidelines

Use this command to view the contents of a file in the logging area. To view the data, use the following keystroke controls:

- Enter key; Move forward one line
- Space bar: Move forward one page
- b: Move backward one page
- s : Move to the start of the file
- e: Move to the end of the file
- q: Quit the command

Examples

```
admin:file view log sysop/sysop00001.log
```

```
2008-10-27 22:19:04,261 - admin CLI login from 191.74.232.125:43776
2008-10-27 22:19:06,651 - admin CLI logout (forced) from 191.74.232.125:43776
2008-10-27 22:19:43,262 - build UI version mismatch. phone:1.0.7, cts:1.0.8
2008-10-27 22:20:08,686 - CTL updated
....
2008-10-27 22:46:07,205 - Local Hold
2008-10-27 22:46:08,412 - Resume Call
More data : enter, space, b, s, e or q
```

file view nvboot

file view nvboot {*file-spec* [*hex*]}

Syntax Description		
	<i>file-spec</i>	Required. File to view.
	<i>hex</i>	Optional. Hexadecimal.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view the contents of a file in the NV bootlog area. To view the data, use the following keystroke controls:

- Enter key: Move forward one line
- Space bar: Move forward one page
- b: Move backward one page
- s : Move to the start of the file
- e: Move to the end of the file
- q: Quit the command

Examples

```
admin:file view nvboot rc.log

---NEXT_ENTRY---
*** Processing rcS
Sun Jan 1 00:00:00 GMT 2006
*** Mounting proc
....
Creating CiscoSyslogFifo
Starting /usr/sbin/syslogd
More data : enter, space, b, s, e or q
```




Set Commands

Revised: September 29, 2020

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

- [set activecontrolmode](#)
- [set audio aec](#)
- [set audio codec](#)
- [set audio level main](#)
- [set audio mute](#)
- [set audio noise cancellation](#)
- [set audio source](#)
- [set autoanswer disable](#)
- [set autoanswer enable](#)
- [set autoanswer external disable](#)
- [set autoanswer external enable](#)
- [set call hold](#)
- [set call idle](#)
- [set call econoqual](#)
- [set camera 50Hz-Flicker-Reduction](#)
- [set camera-sync-inhibit](#)
- [set camera-zoom-step disable](#)
- [set camera-zoom-step enable](#)
- [set cdp](#)
- [set cert web](#)
- [set config](#)
- [set ctstype](#)
- [set directory alternate](#)
- [set directory clear](#)
- [set display disable](#)

- set display enable
- set dot1x
- set downrev-cucm disable
- set downrev-cucm enable
- set dtls version
- set firewall xmlrpc
- set hardware acu reset
- set hardware camera
- set hardware dmp audio
- set hardware doc-camera reset
- set hardware lights
- set hardware projector default
- set license broadcast disable
- set license broadcast enable
- set license satellite disable
- set license satellite enable
- set logging disable
- set logging enable
- set network interface mtu
- set network IP dhcp
- set network IP static
- set nwfaildet
- set osd-alt
- set output disable
- set output enable
- set password admin
- set pip-default
- set presentation auto-share
- set rate frame
- set reinvoke-wait
- set security authstring
- set snmp log_level
- set syslog facility
- set syslog heartbeat facility
- set syslog heartbeat interval
- set syslog heartbeat msg
- set syslog heartbeat severity
- set syslog remote_server severity

- set syslog timezone
- set syslog version
- set timezone
- set tls version
- set upgrade audio
- set upgrade auxiliary-ctrl
- set upgrade camera
- set upgrade display
- set upgrade firmware
- set upgrade graphic-driver
- set upgrade graphic-icons
- set upgrade micro-controller
- set vad threshold
- set video h265
- set video quality
- set video source

set activecontrolmode

set activecontrolmode {on|off}

Syntax Description

on	Active control is enabled.
off	Active control is disabled.

Command Default

No default behavior or values.

Usage Guidelines

Beginning with IX 9.0.0, Active control mode is enabled by default on the IX system. Use this command to disable or enable Active Control Mode.

Execution of this command will restart calling services.

Examples

```
admin:set activecontrolmodeoff
WARNING: This will cause calling services to restart.
Enter "yes" to set the active control mode or any other key to abort...
yes
A restart of the calling services has been requested. If you are in a
call,
the request will be executed at the end of the call
```

Related Commands

Command	Description
show activecontrolmode	Show activecontrolmode.

set audio aec

set audio aec [disable | enable]

Syntax Description

disable	Disables Audio Echo Cancellation (AEC)
enable	Enables AEC

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.1	This command was introduced.
TX 6.0 and CTS 1.10	The noise cancellation part of this command was removed and added to the set audio noise cancellation command.

Usage Guidelines

Use this command to enable or disable acoustic echo cancellation (AEC).



Note If you change the AEC state, you must restart the calling service for it to take effect. Use the [utils service restart calling_services](#) command to restart the calling service.

Examples

```
admin:set audio aec disable
AEC support state changed to disabled
```

Related Commands

Command	Description
set audio noise cancellation	Enables or disables noise cancellation.
utils service restart	Restarts a service.

set audio codec

set audio codec {all | AAC | L16 | G729 | G711} {enable | disable}

Syntax Description

all	Enables or disables all audio codecs.
AAC	Enables or disables the Advanced Audio Coding (AAC) audio codec.
L16	Enables or disables the L16 audio codec.
G729	Enables or disables the G729 audio codec.
G711	Enables or disables the G711 audio codec.
enable	Enables audio on the specified source.
disable	Disables audio on the specified source.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable audio various types of audio encoding.

Examples

The following are examples of the **set audio codec** command:

```
admin:set audio codec all enable
admin:set audio codec all disable
admin:set audio codec AAC enable
admin:set audio codec AAC disable
admin:set audio codec L16 enable
admin:set audio codec L16 disable
admin:set audio codec G729 enable
admin:set audio codec G729 disable
admin:set audio codec G711 enable
admin:set audio codec G711 disable
```

Related Commands

Command	Description
set audio source	Enables or disables audio on the specified source: left, center, right.
set audio mute	Enables or disables audio mute.

set audio level main

`set audio level main {1-10}`

Syntax Description	<i>1-10</i>	The audio level to be set.
---------------------------	-------------	----------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	IX 8.0.2.2	Command introduced

Usage Guidelines	Use this command to set the audio level of your system from 1 to 10.
-------------------------	--

Examples	<pre>admin:set audio level main 5 setting audio level to 5....DONE</pre>
-----------------	--

Related Commands	Command	Description
	show audio level main	Display the audio level.

set audio mute

set audio mute {enable | disable}

Syntax Description

enable	Enables audio on the specified source.
disable	Disables audio on the specified source.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable audio mute. Enter the following commands to enable or disable the audio source specified:

- **help set audio mute enable**
- **help set audio mute disable**

Examples

The following are examples of the **set audio source** command:

```
admin:set audio mute enable
admin:set audio mute disable
```

Related Commands

Command	Description
set audio source	Enables or disables audio on the specified source: left, center, right.
set audio codec	Enables or disables the specified audio codec.

set audio noise cancellation

set audio noise cancellation [disable | enable]

Syntax Description

disable	Disables audio noise cancellation.
enable	Enables audio noise cancellation.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.1	This command was introduced.
TX 6.0 and CTS 1.10	Added the ability to turn off noise cancellation separately using the set audio noise cancellation command.

Usage Guidelines

Use this command to disable acoustic echo cancellation (AEC).



Note If you change the AEC state, you must restart the calling service for it to take effect. Use the [utils service restart calling_services](#) command to restart the calling service.

Examples

```
admin:set audio aec disable
AEC support state changed to disabled
```

Related Commands

Command	Description
set audio noise cancellation	Enables or disables noise cancellation.
utils service restart	Restarts a service.

set audio source

set audio source {left | center | right} | {aux} {enable | disable}

Syntax Description

left	Enable or disable the left audio source.
center	Enable or disable the center audio source.
right	Enable or disable the right audio source.
aux	Enable or disable the auxiliary audio source.
enable	Enables audio on the specified source.
disable	Disables audio on the specified source.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable audio on the specified source: left, center, or right. Enter the following commands to enable or disable the audio source specified:

help set audio source

The following are examples of the **set audio source** command:

```
admin:set audio source left enable
admin:set audio source left disable
admin:set audio source center enable
admin:set audio source center disable
admin:set audio source right enable
admin:set audio source right disable
admin:set audio source aux enable
admin:set audio source aux disable
```

Related Commands

Command	Description
set audio mute	Enables or disables audio mute.
set audio codec	Enables or disables the specified audio codec.

set autoanswer disable

set autoanswer disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to disable answering incoming calls. If you execute this command when you are configured to use Cisco Unified Communications Manager (Cisco Unified CM), it will be overwritten by the Cisco Unified CM configuration when you reset or restart from Cisco Unified CM.

Examples admin:set autoanswer disable

Related Commands	Command	Description
	set autoanswer enable	Automatically enables answering incoming calls.

set autoanswer enable

set autoanswer enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.2	This command was introduced.

Usage Guidelines Use this command to answer incoming calls. If you execute this command when you are configured to use Cisco Unified Communications Manager (Cisco Unified CM), it will be overwritten by the Cisco Unified CM configuration when you reset or restart from Cisco Unified CM.

Examples `admin:set autoanswer enable`

Related Commands	Command	Description
	set autoanswer disable	Automatically disables answering incoming calls.

set autoanswer external disable

set autoanswer external disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to disable answering incoming calls. If you execute this command when you are configured to use Cisco Unified Communications Manager (Cisco Unified CM), it will be overwritten by the Cisco Unified CM configuration when you reset or restart from Cisco Unified CM.

Examples admin:set autoanswer external disable

Related Commands	Command	Description
	set autoanswer external enable	Automatically enables answering external incoming calls.

set autoanswer external enable

set autoanswer external enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to answer incoming calls. If you execute this command when you are configured to use Cisco Unified Communications Manager (Cisco Unified CM), it will be overwritten by the Cisco Unified CM configuration when you reset or restart from Cisco Unified CM.

Examples `admin:set autoanswer external enable`

Related Commands	Command	Description
	set autoanswer external disable	Automatically disables answering external incoming calls.

set call hold

`set call hold {enable | disable}`

Syntax Description	enable	Disables the call hold feature.
	disable	Enables the call hold feature.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to enable or disable the call hold feature.

Examples `admin:set call hold enable`

set call idle

set call idle {**redirect** *value*| **reset**}

Syntax Description

redirect *value*

reset

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable the call idle redirect feature.

Examples

```
admin: set call idle redirect
```

set call econoqual

set call econoqual {enable | disable}

Syntax Description

enable	Enable the call economy quality feature.
disable	Disable the call economy quality feature.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable the call economy quality feature.

Examples

```
admin:set call econoqual disable
```

set camera 50Hz-Flicker-Reduction

```
set camera 50Hz-Flicker-Reduction {enable | disable}
```

Syntax Description

disable	Disables 50Hz flicker reduction.
enable	Enables 50Hz flicker reduction.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.0.3	This command was introduced.

Usage Guidelines

Use this command if your country uses a power source with a 50Hz frequency. The default settings assume a 60Hz-based power source. Using the default setting can cause flickering with florescent lighting ballasts with a 50Hz-based power source.

Examples

```
admin: set camera 50Hz-Flicker-Reduction
```


set camera-sync-inhibit

set camera-sync-inhibit {enable | disable}

Syntax Description

enable disable	Enables or disables support for Camera Sync Inhibit.
-------------------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to control Camera Sync Inhibit.

Examples

```
admin:set camera-sync-inhibit disable
```

```
Camera Sync Inhibit state changed to disabled.
```

set camera-zoom-step disable

set camera-zoom-step disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.6.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to disable camera zoom step mode and return it to continuous zoom. The zoom can be continuous (default) or it can be zoomed in steps.



Note

A restart of the Telephone_Srvr is required for this to take effect.

You can also enter `help` in the command string to disable step mode:

help set camera-zoom-step disable

Examples

```
admin:set camera-zoom-step disable
```

```
Document Camera step zoom mode changed to disabled.
```

Related Commands

Command	Description
set camera-zoom-step enable	Sets the document camera step zoom mode to enabled.
show camera-zoom-step status	Indicates whether the camera step zoom mode is enabled.

set camera-zoom-step enable

set camera-zoom-step enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.6.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0

Usage Guidelines Use this command to enable the camera zoom to be in stepped mode rather than being continuous. The zoom can be continuous (default) or it can be zoomed in steps.



Note

A restart of the Telephone_Srvr is required for this to take effect.

You can also enter `help` in the command string to enable step mode:

help set camera-zoom-step enable

Examples `admin:set camera-zoom-step enable`

Document Camera step zoom mode changed to enabled.

Related Commands	Command	Description
	set camera-zoom-step disable	Sets the document camera step zoom mode to disabled.
	show camera-zoom-step status	Indicates whether the camera step zoom mode is enabled.

set cdp

set cdp {enable | disable}

Syntax Description

enable	Enables the Cisco Discovery Protocol feature.
disable	Disables the Cisco Discovery Protocol feature.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.1.0	This command was introduced.

Usage Guidelines

Use this command to enable or disable the Cisco Discovery Protocol (CDP) feature.



Note This command restarts the system and the IP address may change.

Examples

```
admin: set cdp enable
```

```
WARNING: This will cause the system to reboot and may change the IP address.
Are you sure you want to enable CDP? [yes/no]yes
Rebooting system now...
```

set cert web

Command	Description
set audio noise cancellation	Enables or disables noise cancellation.
utils service restart	Restarts a service.

`set cert web`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to regenerate the Web Interface Certificate.

Examples `admin:set cert web`

set config

`set config {auto | single | double | triple}`

Syntax Description

auto

single

double

triple

Command Default

No default behavior or values.

Command History

Release	Modifications
1.8	This command was introduced.
IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines

Use this command to override the current configuration.

Examples

```
admin: set config single
```

set ctstype

`set ctstype {word} [force]`

Syntax Description	<i>word</i>	Required. Cisco TelePresence System. Valid CTS type values: <ul style="list-style-type: none"> • 500-32 • 500-37 • 1000 • 1100 • 1300 • 1300-47 • 1310-65 • 3000 • 3010 • 3200 • 3210 • TX9000 • TX9200
	force	Optional. Bypasses the “Are you sure” prompt to force setting the CTS type.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.6.0	This command was modified with the <i>word</i> and force options. The help option was also added.

Usage Guidelines Use this command to define the Cisco TelePresence System (CTS) model. You are prompted to verify this operation; this can be bypassed with the **force** option. You can also add **help** to the command string:

help set ctstype



Note

This command will cause the calling services to restart. If the CTS can get a valid configuration file from Cisco Unified CM, it will override this command.

Examples `admin:set ctstype 1000`

Are you sure you want to set the CTS type ?

```
This will cause a calling services to restart !  
Enter "yes" to set the CTS type or any other key to abort  
continue: yes  
Setting CTS type to 1300  
Restarting Calling_Services, please wait...
```


set directory alternate

`set directory alternate address`

Syntax Description	<i>address</i>	IP address of Cisco Unified Communications Manager (Cisco Unified CM) server.
---------------------------	----------------	---

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.5	This command was introduced.
	1.8	This command was removed.

Usage Guidelines	Use this command to define the Cisco Unified CM server to which you wish your directory to point.
-------------------------	---

Examples	<code>admin:set directory alternate 192.0.2.0</code>
-----------------	--

set directory clear

set directory clear

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.8	This command was removed.

Usage Guidelines Use this command to clear the directory.

Examples admin: `set directory clear`

set display disable

set display disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Command	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to turn off the display.

Examples
admin:`set display disable`

Related Commands	Command	Description
	set display enable	Turns on the display.

set display enable

set display enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to turn on the display.

Examples admin: `set display enable`

Related Commands	Command	Description
	set display disable	Turns off the display.

set dot1x

set dot1x {disable | enable}

Syntax Description

disable	Disables 802.1x authentication.
enable	Enables 802.1x authentication.

Command Default

No default behavior or values.

Command History

Release	Modifications
TX 6.1.3	This command was introduced.

Usage Guidelines

Use this command to disable or enable 802.1x authentication.

Examples

```
admin:set dot1x enable
802.1x configured to "enable" after system restart
Are you sure you want to perform a System Restart ?
Enter "yes" to Restart the System or any other key to abort
continue: yes

The System is going down for a forced restart
```

Related Commands

None

set downrev-cucm disable

set downrev-cucm disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to disable the Cisco Unified Communications Manager (Cisco Unified CM) Down Revision support state. The Cisco Unified CM Down Revision feature enables or disables the Cisco TelePresence System (CTS) 3200 from working with Cisco Unified CM Release 5.x and later releases.

Examples

```
admin: set downrev-cucm disable
```

Unified CM Down Revision support state changed to disabled

Related Commands	Command	Description
	set downrev-cucm enable	Enables the CTS 3200 to work with Cisco Unified CM Release 5.x and later releases.
	set downrev-cucm disable	Displays the current Cisco Unified CM Down Revision support state.

set downrev-cucm enable

set downrev-cucm enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to enable the Cisco Unified Communications Manager (Cisco Unified CM) Down Revision support state. The Cisco Unified CM Down Revision feature enables or disables the Cisco TelePresence System (CTS) 3200 from working with Cisco Unified CM Release 5.x and later releases.

Examples

```
admin:set downrev-cucm enable

Unified CM Down Revision support state changed to enabled
```

Related Commands	Command	Description
	set downrev-cucm disable	Disables the CTS 3200 from working with Cisco Unified CM Release 5.x and later releases.
	show downrev-cucm status	Displays the current Cisco Unified CM Down Revision support state.

set dtls version

set dtls version {dtlsv1_0 | dtlsv1_2} {disable | enable}

Syntax Description

dtlsv1_0	Support for DTLSv1.0
dtlsv1_2	Support for DTLSv1.2
disable	Disables given protocol
enable	Enables given protocol

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.3.1.1	This command was introduced.

Usage Guidelines

Beginning with IX 8.3.1.1, both DTLSv1.0 and DTLSv1.2 are supported by default. Use this command to disable either of the DTLS versions, but not both.

Entering this command ends any active calls and causes the system to reboot.

Examples

```
admin:set dtls version dtlsv1_0 disable
WARNING: This will end active calls and cause the system to reboot.
Are you sure you want to change DTLS protocol?[yes/no] yes
===DTLSV1_0 disabled===
Rebooting system now...
```

Related Commands

Command	Description
show dtls version	Show the DTLS version.

set firewall xmlrpc

set firewall xmlrpc {open | close}

Syntax Description

open close	Opens or closes the firewall for XmlRpc traffic.
---------------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.

Usage Guidelines

Use this command to open or close the firewall for XmlRpc traffic.

Examples

```
admin:set firewall xmlrpc open
```

set hardware acu reset

set hardware acu reset

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to reset the auxiliary control unit.

Examples admin: `set hardware acu reset`

Related Commands	Command	Description
	set hardware camera	Resets the camera.
	set hardware doc-camera reset	Resets the document camera.

set hardware camera

set hardware camera [on | off | reset]

Syntax Description	on off reset	Turns on, off, or resets the camera.
---------------------------	-------------------------	--------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines	Use this command to turn off, turn on, or reset the camera.
-------------------------	---

Examples	<pre>admin:set hardware camera reset Main camera is reset successfully.</pre>
-----------------	---

Related Commands	Command	Description
	set hardware acu reset	Resets the auxiliary control unit.
	set hardware doc-camera reset	Resets the document camera.

set hardware dmp audio

set hardware dmp audio {mute | unmute}

Syntax Description

mute	Mute DMP audio
unmute	Unmute DMP audio

Command Default

No default behavior or values.

Command History

Release	Modifications
1.8	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to mute or unmute Digital Media Player (DMP) audio.

Examples

```
admin: set hardware dmp audio mute
```

set hardware doc-camera reset

set hardware doc-camera reset

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to reset the document camera.

Examples admin: `set hardware doc-camera reset`

Related Commands	Command	Description
	set hardware acu reset	Resets the auxiliary control unit.
	set hardware camera	Resets the document camera.

set hardware lights

set hardware lights [on | off]

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.

Usage Guidelines Use this command to reset the document camera.

Examples admin: `set hardware lights off`

Related Commands	Command	Description
	set hardware acu reset	Resets the auxiliary control unit.
	set hardware camera	Resets the document camera.

set hardware projector default

set hardware projector default

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to set the projector peripheral to default.



Note

If you change the satellite state, you must restart the calling service using the [utils service restart calling_services](#) command for the change in state to take effect.

Examples `admin:set hardware projector default`

Related Commands	Command	Description
	utils service restart	Restarts a service.

set license broadcast disable

set license broadcast disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.8	This command was introduced.

Usage Guidelines Use this command to disable the License feature for Broadcast.



Note

If you change the satellite state, you must restart the calling service using the [utils service restart calling_services](#) command for the change in state to take effect.

Examples

```
admin:set license broadcast disable
License for Broadcast feature changed to disabled
```

Related Commands	Command	Description
	set license broadcast enable	Enables the License feature for Broadcast.
	utils service restart calling_services	Restarts the calling service.

set license broadcast enable

set license broadcast enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.8	This command was introduced.

Usage Guidelines Use this command to enable the License feature for Broadcast.



Note

If you change the satellite state, you must restart the calling service using the [utils service restart calling_services](#) command for the change in state to take effect.

Examples

```
admin:set license broadcast enable
License for Broadcast feature changed to enabled
```

Related Commands	Command	Description
	set license broadcast disable	Disables the License feature for Broadcast.
	utils service restart calling_services	Restarts the calling service.

set license satellite disable

set license satellite disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to disable the License feature for Satellite.



Note

If you change the satellite state, you must restart the calling service using the [utils service restart calling_services](#) command for the change in state to take effect.

Examples

```
admin:set license satellite disable

License for Satellite feature changed to disabled
```

Related Commands	Command	Description
	set license satellite enable	Enables the License feature for Satellite.
	utils service restart calling_services	Restarts the calling service.

set license satellite enable

set license satellite enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to enable the License feature for Satellite.



Note

If you change the satellite state, you must restart the calling service using the [utils service restart calling_services](#) command for the change in state to take effect.

Examples

```
admin:set license satellite enable

License for Satellite feature changed to enabled
```

Related Commands	Command	Description
	set license satellite disable	Disables the License feature for Satellite.
	utils service restart calling_services	Restarts the calling service.

set logging disable

set logging disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.7.0	This command was removed.

Usage Guidelines Use this command to control (disable) the logging level to the CLI logs.

Examples `admin:set logging disable`

Related Commands	Command	Description
	set logging enable	Enables logging for the current admin accounts.
	set output disable	Disables the output of CLI data in Bellcore TL1 format.
	set output enable	Enables the output of CLI data in Bellcore TL1 format.

set logging enable

set logging enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.7.0	This command was removed.

Usage Guidelines Use this command to control (enable) the logging level to the CLI logs.

Examples `admin:set logging enable`

Related Commands	Command	Description
	set logging disable	Disables logging for the current admin accounts.
	set output disable	Disables the output of CLI data in Bellcore TL1 format.
	set output enable	Enables the output of CLI data in Bellcore TL1 format.

set network interface mtu

set network interface mtu [*value*]

Syntax Description	<i>value</i>	Required. Numeric value from 1350 to 1504.
---------------------------	--------------	--

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.5	This command was introduced.
IX 8.0	Documentation change to correct values from '1350 to 1550' to '1350 to 1504'.	

Usage Guidelines	Use this command to set the network interface Maximum Transmission Unit (MTU).
-------------------------	--

Examples	<pre>admin:set network interface mtu 1350</pre> <p>MTU set to 1350</p>
-----------------	--

Related Commands	Command	Description
	set network IP static	Sets new network IP static values.
set output disable	Sets network IP DHCP values.	

set network IP dhcp

```
set network IP dhcp {full | mixed {ipaddr | netmask}}
```

Syntax Description

full	Required. xxxx
mixed	Required. xxxx
<i>ipaddr</i>	New system IP address.
<i>netmask</i>	New system IP netmask.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to set network IP DHCP values. Enter “yes” to continue or any other key to abort.



Note This command requires a system restart.

Examples

```
admin:set network IP dhcp full
```

```
This command will restart the system, do you want to continue?
Enter "yes" to continue or any other key to abort
```

Related Commands

Command	Description
set network interface mtu	Sets the network interface Maximum Transmission Unit (MTU).
set network IP static	Sets new network IP static values.

set network IP static

set network IP static {*ipaddr* | *netmask* | *gateway* [*dns1 addr1*] [*dns2 addr2*] [*domain dname*]}

Syntax Description

<i>ipaddr</i>	Required. New system IP address.
<i>netmask</i>	Required. New system IP netmask.
<i>gateway</i>	Required. New system IP gateway.
<i>dns1</i>	Optional. IP address of DNS server 1.
<i>dns2</i>	Optional. IP address of DNS server 2.
<i>domain</i>	Optional. Name of the domain the system is in

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to set new network IP static values.



Note This command requires a system restart.

Examples

```
admin:set network IP static gateway
```

This command will require a restart of the system

Related Commands

Command	Description
set network interface mtu	Sets the network interface Maximum Transmission Unit (MTU).
set output disable	Sets network IP DHCP values

set nwfaildet

set nwfaildet {**enable** | **disable** | **warnThreshold** *value* | **errThreshold** *value* }

Syntax Description	enable	Disable network failure detection.
	disable	Disable network failure detection.
	warnThreshold <i>value</i>	Configures the latency at which a warning about network errors displays. The variable <i>value</i> is the number of milliseconds of latency, and must be between 50 and 500.
	errThreshold <i>value</i>	Configures the latency at which a call will be dropped. The variable <i>value</i> is the number of milliseconds of latency, and must be between 100 and 800.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.8	This command was introduced.

Usage Guidelines Use this command to configure the network failure detection feature. Network failure detection, when enabled, will display a warning if network latency reaches a threshold, and will drop a call if network latency reaches the error threshold.

Examples `admin:set nwfaildet enable`

set osd-alt

set osd-alt [*value*]

Syntax Description	<i>value</i>	Optional. Setting of the alternate file. Valid options are ALT1 or default.
---------------------------	--------------	---

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.8	This command was introduced.

Usage Guidelines	Use this command to select which alternate file to use for the OSD service.
-------------------------	---



Note

Running this command will cause the OSD service to restart, which may affect calls in progress.

Examples

```
admin:set osd-alt ALT1
WARNING: Running the command will restart the OSD service.
Enter "yes" to continue or any other key to abort.
continue:yes

Saving the alternate OSD setting...DONE
Resetting the OSD service...DONE
```

set output disable

set output disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to disable the output of CLI data in Bellcore TL1 format.

Examples
admin:`set output disable`

Related Commands	Command	Description
	set output enable	Enables output to echo the response in Bellcore TL1 format.

set output enable

set output enable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to enable output of CLI data in Bellcore TL1 format. Using this command provides easier remote CLI interface scripting.

Examples `admin:set output enable`

Related Commands	Command	Description
	set output disable	Disables Bellcore TL1 mode.

set password admin

set password admin

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to set a new admin password. The system will prompt you for old and new passwords.



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

This command is available only if you are not using Cisco Unified Communications Manager (Cisco Unified CM).

Examples

```
admin:set password admin
```

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

set pip-default

set pip-default [main | presentation]

Syntax	Description
main	Sets the initial Presentation-in-Picture (PiP) setting to have the main video in the PiP window.
presentation	This will set the initial default PiP setting to have the presentation in the PiP window.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to have either your presentation or the video to be maximized in the main window.



Note You must restart calling services for this change to take effect.

Examples

```
admin: set password admin
```

```

Please enter the old password :*****
Please enter the new password :*****
re-enter new password to confirm :*****

```

set presentation auto-share

set presentation auto-share [enable | disable]

Syntax Description

enables	Enables the automatic sharing of presentations when you connect a presentation source.
disable	Disables the automatic sharing of presentations when you connect a presentation source.

Command Default

Auto-share is enabled by default.

Command History

Release	Modifications
TX6.1	This command was introduced.

Usage Guidelines

Use this command to enable or disable the automatic sharing of presentations after you connect a presentation source.

Examples

```
admin:set presentation auto-share enable
Setting auto share to enabled...DONE
```

NOTE: Calling service will need to be restarted for this setting to take effect. Calling services may be restarted with the following command:

```
"utils service restart Calling_Services"
admin:
```

set rate frame

set rate frame {auto | 60 | 30 | 15} {enable | disable}

Syntax Description

auto	Enables or disables automatic frame rate.
60	Sets the frame rate to 60 fps.
30	Sets the frame rate to 30 fps.
15	Sets the frame rate to 15 fps.
enable	Enables the auto frame rate.
disable	Disables the auto frame rate.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.
IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines

Use this command to enable or disable automatic frame rate. Enter the following commands to view current settings:

- **help status** (auto)
- **help set rate frame 60**
- **help set rate frame 30**
- **help set rate frame 15**

Examples

The following are examples of the **set rate frame** command:

```
admin: set rate frame auto enable
admin: set rate frame auto disable
admin: set rate frame 60 enable
admin: set rate frame 60 disable
admin: set rate frame 30 enable
admin: set rate frame 30 disable
admin: set rate frame 15 enable
admin: set rate frame 15 disable
```


set reinvite-wait

set reinvite-wait {enable | disable}

Syntax Description	disable	enable
	Disable the reinvite wait feature.	Enable the reinvite wait feature.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.8	This command was introduced.

Usage Guidelines Use this command to enable or disable the reinvite wait feature.



Note

You must restart calling services for this change to take effect.

Examples `admin:set reinvite-wait enable`

set security authstring

`set security authstring {numeric_string}`

Syntax Description	<i>numeric_string</i>	Required. Numeric authorization string that matches the Cisco Unified Communications Manager (Cisco Unified CM) device setting.
---------------------------	-----------------------	---

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines	Use this command to set the Certificate Authority Proxy Function (CAPF) authentication string.
-------------------------	--



Note

The authentication string must be greater than four digits and numerical in value.

Examples	<code>admin:set security authstring 123456</code>
-----------------	---

set snmp log_level

```
set snmp log_level {numeric_string}
```

Syntax Description

<i>numeric_string</i>	Required. Numeric authorization string that matches the Cisco Unified Communications Manager (Cisco Unified CM) device setting.
-----------------------	---

Command Default

By default log_level set to 4, which is LOG_WARNING.

Command History

Release	Modifications
1.2	This command was introduced.
IX 8.0	Parameters, guidelines, and example updated

Usage Guidelines

Use this command set snmp log level different logging levels are -

- *0 Emergencies - System is unusable
- *1 Alerts - Immediate action needed
- *2 Critical - Critical conditions
- *3 Errors - Error conditions
- *4 Warnings - Warning conditions
- *5 Notifications - Informational messages
- *6 Informational - Normal but significant conditions
- *7 Debugging - Debugging messages

Examples

```
admin:set snmp log_level 0
```

set syslog facility

`set syslog facility {facility}`

Syntax Description	<i>facility</i>	Required. Sets the output version of the syslog messages. Choose local0 to local7 .
---------------------------	-----------------	---

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines	Use this command to set the default facility used for syslog messages.
-------------------------	--



Note

You must restart the system for the change to take effect.

Examples	<code>admin:set syslog facility local7</code>
-----------------	---

set syslog heartbeat facility

`set syslog heartbeat facility {facility}`

Syntax Description	<i>facility</i>	Required. Sets the facility for heartbeat messages. Choose local0 to local7 .
---------------------------	-----------------	---

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines	Use this command to specify the standard syslog facility used for heartbeat messages. Default is the syslog default facility.
-------------------------	---

Examples	<code>admin:set syslog heartbeat facility local1</code>
-----------------	---

Related Commands	Command	Descriptions
	set syslog heartbeat interval	Sets the heartbeat interval in minutes.
	set syslog heartbeat msg	Sets the heartbeat message string which will be used when generating the heartbeat message.
	set syslog heartbeat severity	Specifies the heartbeat message standard syslog severity.

set syslog heartbeat interval

```
set syslog heartbeat interval {interval}
```

Syntax Description	<i>interval</i>	Required. Sets the heartbeat interval in minutes. Choose 0 to 2880. Default is 0 to disable the heartbeat message.
Command Default	0—Disables heartbeat messages.	
Command History	Release	Modifications
	1.5	This command was introduced.
Usage Guidelines	Use this command to set the heartbeat interval in minutes. Heartbeat messages are sent every time this interval has elapsed. Setting interval to “0” disables heartbeat messages.	
Examples	<pre>admin:set syslog heartbeat interval 5</pre> <p>Setting interval to 5 minutes</p> <p>*Use “utils service restart Cisco_Log” to have changes take effect *It will take up to 3 minutes to take effect after restarting Cisco_Log *Restarting Cisco_Log will reset sequence numbers</p> <pre>admin:utils service restart Cisco_Log</pre> <p>Cisco_Log Restarting...done</p>	
Related Commands	Command	Descriptions
	set syslog heartbeat facility	Specifies the standard syslog facility used for heartbeat messages.
	set syslog heartbeat msg	Sets the heartbeat message string which will be used when generating the heartbeat message.
	set syslog heartbeat severity	Specifies the heartbeat message standard syslog severity.

set syslog heartbeat msg

`set syslog heartbeat msg text`

Syntax Description	<i>text</i>	Required. Text string for heartbeat message must have quotation marks in the following format: "text."
---------------------------	-------------	--

Command Default	"Syslog heartbeat message."
------------------------	-----------------------------

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines	Use this command to specify the heartbeat message string which will be used when generating the heartbeat message. Heartbeat messages will have the APPNAME of CLOGD and MSGID of HEARTBEAT.
-------------------------	--

Examples	<pre>admin:set syslog heartbeat msg</pre> <p>"This is a syslog heartbeat message, generated every 5 minutes."</p>
-----------------	---

Related Commands	Command	Descriptions
	set syslog heartbeat facility	Specifies the standard syslog facility used for heartbeat messages.
	set syslog heartbeat interval	Sets the heartbeat interval in minutes.
	set syslog heartbeat severity	Specifies the heartbeat message standard syslog severity.

set syslog heartbeat severity

```
set syslog heartbeat severity {severity}
```

Syntax Description	<i>severity</i>	Sets the severity level for heartbeat messages. Choose 0 to 7, where 0 indicates emergency and 7 is debug. Default is INFO (6).
Command Default	INFO (6)	
Command History	Release	Modifications
	1.5	This command was introduced.
Usage Guidelines	Use this command to specify the heartbeat message standard syslog severity.	
Examples	admin: set syslog heartbeat severity 7	
Related Commands	Command	Descriptions
	set syslog heartbeat facility	Specifies the standard syslog facility used for heartbeat messages.
	set syslog heartbeat interval	Sets the heartbeat interval in minutes.
	set syslog heartbeat msg	Sets the heartbeat message string which will be used when generating the heartbeat message.

set syslog remote_server severity

```
set syslog remote_server severity {severity}
```

Syntax Description

<i>severity</i>	Sets the severity level for remote syslog server messages. Choose 0 to 7, where 0 indicates emergency and 7 is debug. Default is INFO (6).
-----------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.8	This command was introduced.

Usage Guidelines

Use this command to set the severity for remote syslog server messages.

Examples

```
admin:set syslog remote_server severity 7
```

set syslog timezone

```
set syslog timezone {timezone}
```

Syntax Description

timezone

Required. Sets the timezone used for syslog message timestamps. Select either:

- local: the local timezone
- gmt: Greenwich mean time

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to set the timezone used for syslog message timestamps.

Examples

```
admin: set syslog timezone local
```

Setting to local timezone

set syslog version

set syslog version {*version*}

Syntax Description	<i>version</i>	Sets the output version of the syslog messages. Select either: <ul style="list-style-type: none"> • 0 for CiscoLog Version 1.1 format • 1 for RFC Syslog Protocol Version 1 format 				
Command Default	No default behavior or values.					
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modifications</th> </tr> </thead> <tbody> <tr> <td>1.5</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Release	Modifications	1.5	This command was introduced.	
Release	Modifications					
1.5	This command was introduced.					
Usage Guidelines	Use this command to set the output format version of the syslog messages to either CiscoLog Version 1.1 or RFC Syslog Version 1.					
Examples	admin: set syslog version 0					

set timezone

set timezone *zone*

Syntax Description

zone

Required. Identifies the timezone. Select either:

- local: the local timezone
- gmt: Greenwich mean time

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to uniquely identify the timezone.

Examples

```
admin: set timezone local
```

```
Setting to local timezone
```

set tls version

```
set tls version {client | server | client_server} {tlsv1_0 | tlsv1_1 | tlsv1_2}
```

Syntax Description

client	Sets the TLS version for the client.
server	Sets the TLS version for the server.
client_server	Sets the TLS version for both the client and the server.
tlsv1_0	Sets the IX system to support TLSv1.0, TLSv1.1, and TLSv1.2.
tlsv1_1	Sets the IX system to support TLSv1.1 and TLSv1.2 only.
tlsv1_2	Sets the IX system to support TLSv1.2 only. This is the default value.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.2.2	This command was introduced.

Usage Guidelines

Beginning with IX 8.2.2, TLSv1.2 is the only version supported by default. If the client or server are using earlier versions of TLS, then secure communications cannot be guaranteed. Use this command to set the IX system to support earlier TLS versions on the client or server interfaces.

Entering this command ends any active calls and causes the system to reboot.

Examples

```
admin: set tls version client tlsv1_0
WARNING: This will end active calls and cause the system to reboot.
Are you sure you want to change the TLS protocol?[yes/no] yes

===TLSV1_0 enabled for client interfaces===

Rebooting system now...
```

Related Commands

Command	Descriptions
show tls version	Displays the TLS version being used for client and server interfaces.

set upgrade audio

set upgrade audio

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the audio peripheral. You can see if a peripheral is set for a forced upgrade by running entering the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F.” You can unmark the peripheral with the **unset upgrade** command.

Examples

```
admin:set upgrade audio

Setting forced audio upgrade
```

Related Commands	Command	Descriptions
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.
	unset upgrade audio	Clears a forced upgrade of the audio peripheral.
	unset upgrade auxiliary-ctrl	Clears a forced upgrade of the auxiliary-ctrl peripheral.
	unset upgrade camera	Clears a forced upgrade of the camera peripheral.
	unset upgrade display	Clears a forced upgrade of the display peripheral.
	unset upgrade firmware	Clears a forced upgrade of the firmware peripheral.

Command	Descriptions
<code>unset upgrade graphic-driver</code>	Clears a forced upgrade of the graphic driver.
<code>unset upgrade graphic-icons</code>	Clears a forced upgrade of the of the graphic icons.

set upgrade auxiliary-ctrl

set upgrade auxiliary-ctrl

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the auxiliary-ctrl peripheral.

Examples

```
admin: set upgrade auxiliary-ctrl

Setting forced auxiliary-ctrl upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.

set upgrade camera

set upgrade camera

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the camera peripheral.

Examples

```
admin:set upgrade camera

Setting forced camera upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.

set upgrade display

set upgrade display

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the display peripheral.

Examples

```
admin: set upgrade display

Setting forced display upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.

set upgrade firmware

set upgrade firmware

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the firmware peripheral.

Examples

```
admin:set upgrade firmware
```

Setting forced firmware upgrade

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.

set upgrade graphic-driver

set upgrade graphic-driver

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced as set upgrade disp-driver-2 .
	1.4.0	The command, set upgrade disp-driver-2 , was replaced with set upgrade graphic-driver .
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the graphic driver.

Examples

```
admin:set upgrade graphic-driver

Setting forced graphic driver upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-icons	Forces an upgrade of the graphic icons.

set upgrade graphic-icons

set upgrade graphic-icons

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced as set upgrade disp-driver-1 .
	1.4.0	The command, set upgrade disp-driver-1 , was replaced with set upgrade graphic-icons .
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of graphic icons.

Examples

```
admin:set upgrade graphic-icons

Setting forced graphic icons upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.

set upgrade micro-controller

set upgrade micro-controller

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced as set upgrade disp-driver-1 .
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to force an upgrade of the micro-controller.

Examples

```
admin: set set upgrade micro-controller
Setting forced pic upgrade
```

Related Commands	Command	Descriptions
	set upgrade audio	Forces an upgrade of the audio peripheral.
	set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
	set upgrade camera	Forces an upgrade of the camera peripheral.
	set upgrade display	Forces an upgrade of the display peripheral.
	set upgrade firmware	Forces an upgrade of the firmware peripheral.
	set upgrade graphic-driver	Forces an upgrade of the graphic driver.

set vad threshold

set vad threshold [*value*]

Syntax Description

value Optional. Enter a threshold value between 0 and 100.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to change voice activity detection threshold. Enter **help set vad threshold** view the current voice activity detection threshold settings.

Examples

```
admin:set vad threshold 40

Setting threshold to 40...
Left Center Right
-----
40    40    40
Done
```

set video h265

set video h265 {enable | disable}

Syntax Description

disable	Disables the H.265 High Efficiency Video Coding (HEVC) standard.
enable	Enables the H.265 standard.

Command Default

For IX release 8.0.3, H.265 is disabled by default.

Command History

Release	Modifications
IX 8.0.3	This command was introduced.

Usage Guidelines

Use this command to enable or disable the H.265 HEVC standard.

This command resets calling services, which drops all calls in progress. Use this command during a time of low or no call activity.

Because H.265 uses a higher compression ratio than H.264, any packet loss when using the H.265 standard can result in more video degradation and a greater loss in perceived quality than using the H.264 standard on the same network.

Examples

The following enabled the H.265 standard.

```
admin: set video h265 enable
```

Related Commands

Command	Descriptions
show video h265	Shows the status of the H.265 standard.

set video quality

set video quality {*quality_value*}

Syntax Description	<i>quality_value</i>	Sets the video quality. Valid values are highest, higher, high, medium, low, lower, and lowest.
---------------------------	----------------------	---

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to set video quality. Enter **help set quality value** to list all the available video quality designations:

- Highest
- Higher
- High
- Medium
- Low
- Lower
- Lowest

Examples admin: `set video quality highest`

Related Commands	Command	Descriptions
	set video source	Enables or disables video on the specified source.

set video source

set video source {main_rx | main_tx | aux_rx_or_dvi | aux_tx}

Syntax Description

main_rx	Enables or disables the video source main_rx.
main_tx	Enables or disables the video source main_tx.
aux_rx_or_dvi	Enables or disables the video source aux_rx_or_dvi.
aux_tx	Enables or disables the video source aux_tx.
enable	Enables video on the specified source.
disable	Disables video on the specified source.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.7.0	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to enable or disable video on the specific source. Enter the following help commands to view the current settings:

- **help set video source main_rx enable**
- **help set video source main_rx disable**
- **help set video source aux_rx_or_div enable**
- **help set video source aux_rx_or_div disable**
- **help set video source aux_tx enable**
- **help set video source aux_tx disable**

Examples

The following are examples of the **set video source** command:

admin:

```
admin: set video source main_rx enable
admin: set video source main_rx disable
admin: set video source aux_rx_or_div enable
admin: set video source aux_rx_or_div disable
admin: set video source aux_tx enable
admin: set video source aux_tx disable
```

Related Commands

Command	Descriptions
set video quality	Sets video quality.



Show Commands

Revised: September 29, 2020

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

- [show activecontrolmode](#)
- [show audio level main](#)
- [show audio status](#)
- [show bronzecard version](#)
- [show call econoqual](#)
- [show call hold](#)
- [show call idle](#)
- [show call statistics addin](#)
- [show call statistics all](#)
- [show call statistics audio](#)
- [show call statistics bfc](#)
- [show call statistics video](#)
- [show call status](#)
- [show camera status](#)
- [show camera cablestatus](#)
- [show camera-sync-inhibit status](#)
- [show camera-zoom-step status](#)
- [show cdp interface](#)
- [show cdp neighbors](#)
- [show cdp status](#)
- [show cert lsc](#)
- [show cert mic](#)
- [show cert mic-ca](#)
- [show cert web](#)
- [show config all](#)

- show config phone
- show config switch
- show config system
- show config touch
- show display diags
- show display display_status
- show display errors
- show display hdmi
- show display port
- show directory alternate
- show dot1x status
- show dtls version
- show firewall status
- show downrev-cucm status
- show firewall status
- show firewall xmlrpc
- show gpu version
- show hardware all
- show hardware audio
- show hardware backplane
- show hardware display
- show hardware encoder
- show hardware lcu
- show hardware projector
- show hardware system
- show hardware video
- show inventory
- show license status
- show meetings detail
- show meetings summary
- show myself
- show network all
- show network eth0
- show network route
- show network status
- show nwfaildet
- show osd-alt
- show peripherals version

- `show pip-default`
- `show presentation auto-share`
- `show reinvoke-wait status`
- `show remote status`
- `show secondary status`
- `show security authstring`
- `show security info`
- `show security trustlist`
- `show sessions`
- `show snmp log_level`
- `show status`
- `show syslog facility`
- `show syslog heartbeat facility`
- `show syslog heartbeat interval`
- `show syslog heartbeat msg`
- `show syslog heartbeat severity`
- `show syslog remote_server`
- `show syslog server`
- `show syslog timezone`
- `show syslog version`
- `show tech network`
- `show tech runtime`
- `show tech system`
- `show timezone config`
- `show timezone list`
- `show tls version`
- `show touch switchmodel`
- `show upgrade`
- `show version`
- `show video h265`
- `show video status`

show activecontrolmode

show activecontrolmode

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Usage Guidelines Use this command to display the current active control mode setting on IX system.

Examples

```
admin:show activecontrolmode
ActiveControl is currently enabled
```

Related Commands	Command	Description
	set activecontrolmode	Set activecontrolmode.

show audio level main

show audio level main

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.2.2	This command was introduced.

Usage Guidelines Use this command to display the audio level.

Examples

```
admin:show audio level main
Audio Level: 7
```

Related Commands	Command	Description
	set audio level main	Set the audio level

show audio status

show audio status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to view audio status.

Examples admin:`show audio status`

Related Commands	Command	Description
	show video status	Displays video status.

show bronzecard version

show bronzecard version

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays the bronzecard driver version.

Examples

```
admin:show bronzecard version
Active Bronze Card Version
second pegasus at top port current version 0.49.0 upgrade version 0
first pegasus at top port current version 0.49.0 upgrade version 0
second pegasus at btm port current version 0.49.0 upgrade version 0
first pegasus at btm port current version 0.49.0 upgrade version 0
```

show call econoqual

show call econoqual

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	The command was introduced.

Usage Guidelines Use this command to view call economy quality feature settings.

Examples

```
admin:show call econoqual

The current state of the Call Economy Quality: disabled
```

Related Commands	Command	Description
	show call hold	Displays call hold feature settings.
	show call idle	Displays call idle redirect settings.

show call hold

show call hold

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	The command was introduced.

Usage Guidelines Use this command to view call hold feature settings.

Examples

```
admin:show call hold

The current state of the Call Hold: disabled
```

Related Commands	Command	Description
	show call idle	Displays call idle redirect settings.
	show call econoqual	Displays call economy quality feature settings.

show call idle

show call idle

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	The command was introduced.

Usage Guidelines Use this command to view call idle redirect settings.

Examples

```
admin:show call idle

The current value of Call Idle Redirect is: Normal
```

Related Commands	Command	Description
	show call hold	Displays call hold feature settings.
	show call econoqual	Displays call economy quality feature settings.

show call statistics addin

show call statistics addin [detail | page]

Syntax Description	detail	Optional. Displays detailed call statistics.
	page	Optional. Pages through the output.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	The command was introduced.

Usage Guidelines Use this command to retrieve the audio-addin statistics of the call.

Examples

```
admin:show call statistics addin
      Call Statistics
Registered to Cisco Unified Call Manager : Yes
Call in Progress      : Yes

Call Type      : Audio/Video Call   Call Start Time: Jul 12 11:40:35 2007
Duration (sec) : 53                  Direction      : Outgoing
Local Number   : 12345                Remote Number  : 23456
State          : Answered              Bit Rate      : 4000000 bps,1080p

-- Audio Add-in --
IP Addr  Src : 11.17.126.73:16386      Dst      : 0.0.0.0:0
Latency  Avg : 1                      Period   : 0

Statistics          Left      Center      Right      Aux
Tx Bytes            0
Tx Packets          0
Rx Bytes            0
Rx Packets          0
Rx Packets Lost    0
```

Related Commands	Command	Description
	show call statistics all	Displays all the statistics of the call.
	show call statistics audio	Displays the audio statistics of the call.
	show call statistics video	Displays the video statistics of the call.

show call statistics all

show call statistics all [detail | page]

Syntax Description	detail	Optional. Display more detailed call statistics.
	page	Optional. Pages through the output.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	The command was introduced.

Usage Guidelines Use this command to retrieve all the statistics of the call.

Examples

```
admin:show call statistics all
      Call Statistics
Registered to Cisco Unified Call Manager : Yes
Call in Progress      : Yes

Call Type      : Audio/Video Call   Call Start Time: Jul 12 11:40:35 2007
Duration (sec) : 53                 Direction      : Outgoing
Local Number   : 12345              Remote Number  : 23456
State          : Answered           Bit Rate      : 4000000 bps,1080p

-- Audio --
IP Addr  Src : 11.17.126.73:16386    Dst   : 11.17.126.42:16384
Latency  Avg : 1                    Period : 0

Statistics          Left           Center           Right           Aux
Tx Bytes            7655120        7655283         7655114         0
Tx Packets          45839         45840           45840           0
Rx Bytes            7491593        7582158         7467858         0
Rx Packets          45131         45678           44988           0
Rx Packets Lost     45             65              13              0

-- Video --
IP Addr  Src : 11.17.126.73:16386    Dst   : 11.17.126.42:16384
Latency  Avg : 1                    Period : 0

Statistics          Left           Center           Right           Aux
Tx Bytes            216305260      196115964       288648018       0
Tx Packets          221717         198464           290134           0
Rx Bytes            219270020      223672084       152227219       0
Rx Packets          205040         208662           158232           0
Rx Packets Lost     5069           6798             914              0

-- Audio Add-in --
IP Addr  Src : 11.17.126.73:16386    Dst   : 0.0.0.0:0
Latency  Avg : 1                    Period : 0
```

Statistics	Left	Center	Right	Aux
Tx Bytes		0		
Tx Packets		0		
Rx Bytes		0		
Rx Packets		0		
Rx Packets Lost		0		

Related Commands

Command	Description
show call statistics addin	Displays audio-addin statistics of the call.
show call statistics audio	Displays audio statistics of the call.
show call statistics video	Displays video statistics of the call.

show call statistics audio

show call statistics audio [detail | page]

Syntax Description

detail	Optional. Displays detailed call statistics.
page	Optional. Pages through the output.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	The command was introduced.

Usage Guidelines

Use this command to retrieve the audio statistics of the call.

Examples

```
admin:show call statistics audio
      Call Statistics
Registered to Cisco Unified Call Manager : Yes
Call in Progress      : Yes

Call Type      : Audio/Video Call   Call Start Time: Jul 12 11:40:35 2007
Duration (sec) : 53                 Direction      : Outgoing
Local Number   : 12345              Remote Number  : 23456
State          : Answered           Bit Rate      : 4000000 bps,1080p

-- Audio --
IP Addr  Src : 11.17.126.73:16386    Dst   : 11.17.126.42:16384
Latency  Avg : 1                    Period : 0

Statistics          Left           Center          Right           Aux
Tx Bytes            7655120        7655283        7655114         0
Tx Packets          45839          45840          45840            0
Rx Bytes            7491593        7582158        7467858         0
Rx Packets          45131          45678          44988            0
Rx Packets Lost     2               3               1                0
```

Related Commands

Command	Description
show call statistics addin	Displays audio-addin statistics of the call.
show call statistics all	Displays all the statistics of the call.
show call statistics video	Displays video statistics of the call.

show call statistics bfcf

show call statistics bfcf

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.2.2	This command was introduced.

Usage Guidelines Use this command to check BFCF presentation statistics in a call.

Examples

```
admin:show call statistics bfcf
      Call Statistics
Registered to Cisco Unified Communications Manager : Yes
Call Connected          : No

      -- BFCF --
IP Addr      Src : :0          Dst      : :0
Jitter      Period : 0
Latency     Avg : 0          Period : 0
Currently Active : No

Statistics
Tx Media Type          Presentation (1 or 5 FPS)          Presentation (30FPS)
Tx Frames Per Second   N/A                      0
Tx Bytes               0                      0
Tx Bit Rate Per Call   0                      0
Tx Bit Rate Per Period 0                      0
Tx Packets             0                      0
Rx Media Type          N/A                      N/A
Rx Frames Per Second   0                      0
Rx Bytes               0                      0
Rx Bit Rate Per Call   0                      0
Rx Bit Rate Per Period 0                      0
Rx Packets             0                      0
Rx Packets Lost        0                      0
```

Related Commands	Command	Description
	show call statistics addin	Displays audio-addin statistics of the call.
	show call statistics all	Displays all the statistics of the call.

Command	Description
show call statistics audio	Displays audio statistics of the call.
show call statistics video	Displays video statistics of the call.

show call statistics video

show call statistics video [detail | page]

Syntax Description	detail	Optional. Displays detailed call statistics.
	page	Optional. Pages through the output.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	The command was introduced.

Usage Guidelines Use this command to retrieve the video statistics of the call.

Examples

```
admin:show call statistics video
```

```

Call Statistics
Registered to Cisco Unified Call Manager : Yes
Call in Progress      : Yes

Call Type           : Audio/Video Call   Call Start Time: Jul 12 11:40:35 2007
Duration (sec)     : 49                  Direction       : Outgoing
Local Number       : 12345                Remote Number   : 23456
State              : Answered            Bit Rate       : 4000000 bps,1080p

```

```

-- Video --
IP Addr  Src : 11.17.126.73:16388      Dst   : 11.17.126.42:16388
Latency  Avg : 0                      Period : 0

```

Statistics	Left	Center	Right	Aux
Tx Bytes	216305260	196115964	288648018	0
Tx Packets	221717	198464	290134	0
Rx Bytes	219270020	223672084	152227219	0
Rx Packets	205040	208662	158232	0
Rx Packets Lost	5	6	4	0

Related Commands	Command	Description
	show call statistics addin	Displays audio-addin statistics of the call.
	show call statistics all	Displays all the statistics of the call.
	show call statistics audio	Displays audio statistics of the call.

show call status

show call status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.2	This command was introduced.
	TX 6.0 and CTS 1.10	The Call Id output was added.

Usage Guidelines Use this command to retrieve the status of the call and the caller ID.

Examples

```
admin:show call status
```

```

Call Status
Registered to Cisco Unified Communications Manager : Yes
Call Connected          : Yes

Call Type      : Audio/Video Call   Call Start Time   : Jan 24 10:28:10 2013
Duration (sec) : 139                Direction         : Outgoing
Local Number   : 81122701           Remote Number     : 81122704
State         : Answered            Actual Bit Rate   : 4000000 bps, 0x0
Security Level : Non-Secure         Negotiated Bit Rate: 4000000 bps
Call Id       : 2

Call Type      : Audio-Only Call    Call Start Time   : Jan 24 10:30:13 2013
Duration (sec) : 16                Direction         : Outgoing
Local Number   : 81122701           Remote Number     : 85250779
State         : Answered
Security Level : Non-Secure         Negotiated Bit Rate: 4000000 bps
Call Id       : 4

```

Related Commands	Command	Description
	set camera-zoom-step disable	Sets the document camera step zoom mode to disabled.
	set camera-zoom-step enable	Enables the camera zoom to be in stepped mode rather than being continuous.
	call end	Ends one of more endpoints in a call.

show camera status

show camera status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays camera status information.

Examples

```
admin:show camera status
DP Status (1--1) vid_test_dp 0 (aux_idx: 701c8) (lnk_clk: 149.99)
-----
enbl pwr_stat lnk_bw cnt stat phy_stat msah msav w | pf hf pwr lock vres hres fps chg_cnt
-----|-----
 1 normal 5.4Gbps 4 7777 00f000ff 4096 2160 4 | 0 0 1 yes 3840 2160 60 1
-----
DP_SYMBOL_ERRORS: 0-0-0-0
```

show camera cablestatus

show camera cablestatus

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays camera cable status information.

Examples

```
admin:show camera cablestatus
Camera Cable Status: polling for sym_err_cnt values, at time Fri Jan 20 07:04:02 2017
 0: (00-00-00-00 3-3-3-3) err_cnt:  0  0  0  0      (totals:  0  0  0
0) (chg_cnt 1)
 1: (00-00-00-00 3-3-3-3) err_cnt:  0  0  0  0      (totals:  0  0  0
0) (chg_cnt 1)
.
totals: lane0:0  lane1:0  lane2:0  lane3:0  delta_chg_cnt:0 CABLE PASSED
```

show camera-sync-inhibit status

show camera-sync-inhibit status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Shows the Camera Sync Inhibit support state.

Examples

```
admin:show camera-sync-inhibit status
```

The current state of the Camera Sync Inhibit: disabled

show camera-zoom-step status

`show camera-zoom-step status`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.6.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Indicates whether the camera step zoom mode is enabled. The zoom can be continuous (default) or it can be zoomed in steps.



Note

A restart of the Telephone_Srvr is required for this to take effect.

Examples

```
admin:show camera-zoom-step status
```

The current state of the Document Camera step zoom mode is: enabled.

Related Commands

Command	Description
set camera-zoom-step disable	Sets the document camera step zoom mode to disabled.
set camera-zoom-step enable	Enables the camera zoom to be in stepped mode rather than being continuous.

show cdp interface

show cdp interface

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to display the CDP interface and configuration.

Examples

```
admin:show cdp interface

Interface: eth0
Sending CDP packets every 60 seconds
Holdtime is 180 seconds
```

Related Commands	Command	Description
	show cdp neighbors	Displays details about CDP neighbors.
	cdp-forward interface	Configures the egress interface for this ingress interface.
	show cdp-forward	Outputs the CDP Forwarding Table.
	show cdp-forward egress-interface	Outputs the contents of the CDP Forwarding Table pertaining to this egress interface

show cdp neighbors

`show cdp neighbors [detail]`

Syntax Description	<i>detail</i>	Optional. Displays detailed information.
---------------------------	---------------	--

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines	Use this command to display information about CDP neighbors entries.
-------------------------	--

Examples

```
admin:show cdp neighbors
```

```
Device ID Capability Platform Port ID
```

```
-----  
sjc18-tsbu-gw.cisco.com 41 cisco WS-C6506-E GigabitEthernet6/15  
SEP001EF7C35814 1168 Cisco IP Phone 7971 Port 1
```

Related Commands	Command	Description
	show cdp interface	Displays the CDP interface.
	cdp-forward interface	Configures the egress interface for this ingress interface.
	show cdp-forward	Outputs the CDP Forwarding Table.
	show cdp-forward egress-interface	Outputs the contents of the CDP Forwarding Table pertaining to this egress interface

show cdp status

show cdp status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines Use this command to show whether CDP is enabled or disabled.

Examples

```
admin:show cdp status
```

CDP is currently enabled.

show cert lsc

show cert lsc

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display the contents of the Locally Significant Certificate (LSC).

Examples

```
admin:show cert lsc

Certificate:
Data:
Version: 3 (0x2)
Serial Number: 4 (0x4)
Signature Algorithm: sha1WithRSAEncryption
Issuer: O=Cisco, ST=CA, L=San Jose, C=US, CN=CAPF-113c2418, OU=TSBU
Validity
Not Before: Sep 3 18:27:19 2010 GMT
Not After : Sep 2 18:27:18 2015 GMT
Subject: C=US, O=Cisco, OU=TSBU, CN=SEP001DA238A88D
Subject Public Key Info:
Public Key Algorithm: rsaEncryption
RSA Public Key: (1024 bit)
Modulus (1024 bit):
00:cd:28:f9:51:f1:83:73:11:fb:24:57:e1:a7:5b:
da:18:e1:2a:e2:99:e1:0a:e0:e2:fe:db:96:a9:41:
4e:94:01:d3:d7:23:bb:48:a1:f8:46:89:7c:b1:16:
b5:55:cb:d1:af:cc:c5:87:80:db:e8:41:66:78:0b:
fc:cf:4a:23:30:18:6c:4d:12:d4:ed:dc:c2:81:b2:
96:83:74:0c:69:ae:c7:21:37:90:6c:32:32:db:b6:
ce:22:3d:b3:13:8a:66:ec:b7:a2:e7:e6:83:8f:7d:
4b:f3:58:2b:c4:ea:e7:bc:d1:1e:43:62:94:12:93:
ba:26:c6:a8:ad:0c:1b:83:c5
Exponent: 65537 (0x10001)
X509v3 extensions:
X509v3 Key Usage: critical
Digital Signature
X509v3 Extended Key Usage:
TLS Web Server Authentication, TLS Web Client Authentication, IPsec End System
Signature Algorithm: sha1WithRSAEncryption
47:6d:8b:0d:7a:8c:51:70:1c:5e:cf:d8:27:4e:be:82:bf:4b:
9f:96:21:07:63:ee:d1:7e:31:eb:37:85:6f:dc:af:29:fa:55:
f2:f4:f0:ef:89:80:0e:4a:f4:b5:12:71:55:6f:eb:bf:38:c8:
4b:66:61:05:a6:8b:ff:a9:03:48:87:d5:aa:fb:01:41:37:50:
e2:50:d2:c8:da:a1:0b:a6:2c:8b:68:15:78:9c:1c:30:f0:80:
```

```

49:ae:2e:b9:e3:dc:0e:d5:4f:13:3b:74:dc:a0:8c:ff:c9:2e:
a7:b2:87:56:34:99:db:60:a6:ba:4a:c3:6e:e5:b8:6a:d6:5c:
07:cf
SHA1 Fingerprint=A1:99:3A:59:21:D6:2C:89:6B:8D:FA:28:D4:6D:AC:3E:63:EE:11:1A
-----BEGIN CERTIFICATE-----
MIICWzCCAcSgAwIBAgIBBDANBgkqhkiG9w0BAQUFADBkMQ4wDAYDVQQKEwVDaXNj
bzELMAkGA1UECBMCQ0ExETAPBgNVBACtCFNhb3N1MQswCQYDVQQGEwJVUzEW
MBQGA1UEAxMNQ0FQRi0xMTNjMjQxODENMAsGA1UECXMVFNVCVTAeFw0xMDA5MMDMx
ODI3MTlaFw0xNTA5MDIxODI3MThaMEYxCzAJBgNVBAYTA1VTMQ4wDAYDVQQKEwVd
aXNjbzENMAsGA1UECXMVFNVCVTEYMBYGA1UEAxMPU0VQMDAxREEYmzhBODhEMIGf
MA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDNKPlR8YNzEfskV+GnW9oY4SrimeEK
4OL+25apQU6UAdPXI7tIofhGiXyxFrVVy9GvzMWHgNvoQWZ4C/zPSiMwGGxNEtTt
3MKBspaDdAxprschN5BsMjLbts4iPbMTimbst6Ln5oOPfUvzWCvE6ue80R5DYpQS
k7omxqitDBuDxQIDAQABozswOTAOBgNVHQ8BAf8EBAMCB4AwJwYDVR01BCAwHgYI
KwYBBQUHAWEGCCsGAQUFBwMCBggrBgEFBQcDBTANBgkqhkiG9w0BAQUFAA0BgQBH
bYsNeoxRcBxez9gnTr6Cv0uflieHY+7RfjHrN4Vv3K8p+lXy9PDviYAOsvS1EnFV
b+u/OMhLZmEFpov/qQNIh9Wq+wFBN1DiUNLI2qELpiyLaBV4nBww8IBJri6549w0
1U8TO3TcoIz/yS6nsodWNJnbyKa6SsNu5bhq1lwHzw==
-----END CERTIFICATE-----
admin:

```

Related Commands

Command	Description
show cert mic	Displays the contents of the Manufacturing Installed Certificate (MIC).
show cert web	Displays the contents of the Web Interface Certificate.

show cert mic

show cert mic

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.2	The command was introduced.

Usage Guidelines Use this command to display the contents of the Manufacturing Installed Certificate (MIC).

Examples

```
admin:show cert mic
```

```
Certificate:
```

```
Data:
```

```
Version: 3 (0x2)
Serial Number:
    70:54:8f:23:00:00:00:12:4f:d9
Signature Algorithm: sha1WithRSAEncryption
Issuer: O=Cisco Systems, CN=Cisco Manufacturing CA
Validity
    Not Before: Mar 17 12:59:06 2007 GMT
    Not After : Mar 17 13:09:06 2017 GMT
Subject: CN=CTS-CODEC-PRIM-SEP0019AA043ABF
Subject Public Key Info:
    Public Key Algorithm: rsaEncryption
    RSA Public Key: (1024 bit)
        Modulus (1024 bit):
            00:a3:b0:d8:a3:4b:0a:e1:85:13:a9:78:d4:3f:24:
            c8:52:0f:11:f9:f2:bf:19:2b:9b:84:85:5e:0c:fd:
            ee:86:43:06:7b:64:54:1d:05:5a:27:d3:95:1f:d5:
            bb:c4:01:e8:b0:24:2a:6a:86:53:cb:85:b7:d4:70:
            84:63:c1:92:1b:3e:cd:d9:21:29:1b:36:4c:2f:03:
            8f:ad:6f:a9:94:2f:88:0a:d3:19:6a:1d:75:e3:f2:
            9f:19:5e:dd:c8:fc:54:d6:01:2a:73:f6:3c:9d:3e:
            74:74:72:a1:cc:30:f2:7d:d9:38:f3:4a:6b:f6:52:
            f0:20:0a:6e:7e:1f:a5:a4:49
        Exponent: 65537 (0x10001)
X509v3 extensions:
    X509v3 Key Usage: critical
        Digital Signature, Key Encipherment
    X509v3 Subject Alternative Name:
        email:test@cisco.com
    X509v3 Subject Key Identifier:
        2A:AA:EF:DC:4C:A9:47:44:F2:43:8F:AE:FF:7B:8C:B1:A5:C9:04:FF
    X509v3 Authority Key Identifier:
        keyid:D0:C5:22:36:AB:4F:46:60:EC:AE:05:91:C7:DC:5A:D1:B0:47:F7:6C
```

```

X509v3 CRL Distribution Points:
  URI:http://www.cisco.com/security/crl/cmca.crl

Authority Information Access:
  CA Issuers - URI:http://www.cisco.com/security/certs/cmca.cer

1.3.6.2.4.1.311.20.2:
  .0.I.P.S.E.C.I.n.t.e.r.m.e.d.i.a.t.e.O.f.f.l.i.n.e
Signature Algorithm: sha1WithRSAEncryption
  83:26:d7:c5:0f:f9:04:40:d5:e5:42:fe:dc:86:95:3d:af:99:
  da:92:f1:c1:fc:8c:31:9f:8d:1e:8b:75:e2:f3:61:e9:9c:5f:
  0d:93:00:80:75:05:ff:5c:d5:ad:14:cc:bf:ea:1e:79:a0:b1:
  b9:43:32:7e:2a:bb:fa:7b:89:47:7a:46:2d:db:20:13:6f:dd:
  26:de:21:6f:6c:7c:a5:26:1f:fb:15:ef:df:48:ca:9f:e3:1c:
  25:b2:39:1a:f4:ba:a7:a5:a5:26:90:bb:28:d3:d6:7b:bd:e5:
  5f:49:e8:39:6a:39:8f:97:18:3b:fe:fd:71:50:72:8b:e5:c8:
  a5:98:a3:f3:df:4b:da:2e:46:d5:9d:62:41:19:9e:09:bd:8f:
  61:04:ed:1f:0d:0d:d5:e2:64:ae:c0:fe:ab:a8:f3:c4:1b:a9:
  d3:3f:7e:41:35:c6:e9:1b:ec:79:7b:42:e4:a5:49:2f:e9:f6:
  71:79:8c:e2:67:7c:df:67:60:eb:3b:12:2a:49:66:68:46:b8:
  b7:0b:c8:da:29:8d:31:2c:86:38:07:43:89:9a:bc:60:ab:46:
  cf:d0:5f:5f:25:4f:ca:60:de:0b:9e:42:b1:aa:7f:2c:1f:17:
  dd:0a:5f:ca:6c:eb:28:95:b1:26:07:81:5b:31:76:e9:8d:44:
  af:16:22:d1
SHA1 Fingerprint=6D:B6:56:A9:EA:07:5C:A8:92:5D:59:D9:F0:BA:E2:CC:F7:60:45:4E
-----BEGIN CERTIFICATE-----
MIIDmzCCAorgAwIBAgIKcFSPiWAAABFP2TANBgkqhkiG9w0BAQUFADA5MRYwFAFD
VQQKEw1DaXNjbyBTeXN0ZW1zMR8wHQYDVQDExZDaXNjbyBNYW51ZmFjdHVyaW5n
IENBMB4XDTA3MDMxNzEyNTkwNl0XDTE3MDMxNzEzMDkwNl0KTEnMCUGA1UEAxMe
Q1RTLUNPREVDLVBSSU0tU0VQMDAxOUFBMDQzQUJGMIGfMA0GCSqGSIb3DQEBAQUA
A4GNADCBiQKBgQCjsNmjSwrhRopeNQ/JMhSDxH58r8ZK5uEhV4M/e6GQwZ7ZFQ
BVon05Uf1bvEAeiwJCpqhlPLhbfUcIRjwZiBPs3ZISkbNkvwA4+tb6mUL4gK0x1q
HXXj8p8Zxt3I/FTWASpz9jydPnR0cqHMMPJ92TjzSmv2UvAgCm5+H6WksQIDAQAB
o4IBNzCCATMwDgYDVR0PAQH/BAQDAgWgMBkGA1UdEQQSMBCBDRlc3RAY2l1zY28u
Y29tMB0GA1UdDgQWBQqqu/cXK1HRPJDj67/e4yxpcKE/zAfBgNVHSMEGDAWgBTQ
xSImq09GYOyuBZHH3FrRsef3bDA7BgNVHR8ENDAYMDcGqLqAshipodHRwOi8vd3d3
LmNpc2NvLmNvbS9zZW51cm10eS9jcmwvY21jYS5jcmwvSAYIKwYBBQUHAQEEDPA6
MDgGCCsGAQUFBzAChixodHRwOi8vd3d3LmNpc2NvLmNvbS9zZW51cm10eS9jZXJ0
cy9jbWNhLmNlcjA/BgkrBgEEAYI3FAIEMh4wAEkAUABTAEUAQwBJAG4AdAB1AHIA
bQB1AGQAaQBhAHQAZQBPAZAZgBsAGkAbgBlMA0GCSqGSIb3DQEBBQUAA4IBAQCd
Jte1D/kEQNX1Qv7chpU9r5nakvHB/Iwxn40ei3Xi82HpnF8NkwCAQX/XNwTFMY/
6h55oLG5QzJ+Krv6e41HekYt2yATb90m3iFvbHylJh/7Fe/fSMqf4xwlsjka9Lqn
paUmkLso09Z7veVfSeg5ajmPlxg7/v1xUHKL5cilmKPz30vaLkbVnWJBGZ4JvY9h
BO0fDQ3V4mSuwP6rqPPEG6nTP35BNcbpG+x5e0LkpUkv6fZxeYziZ3zfZ2DrOxIq
SWZoRri3C8jaKY0xLIY4B00Jmrxgq0bP0F9fJU/KYN4LnkKxqn8sHxfdCl/KbOso
lbEmB4FbMXbpjUSvfiLR
-----END CERTIFICATE-----

```

Related Commands

Command	Description
show cert lsc	Displays the contents of the Locally Significant Certificate (LSC).
show cert mic-ca	Displays the contents of the MIC CA Certificate
show cert web	Displays the contents of the Web Interface Certificate.

show cert mic-ca

show cert mic-ca

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	IX 8.1.0	The command was introduced.

Usage Guidelines Use this command to check content of SUDI MIC CA certificates.

Examples

```
admin:show cert mic-ca
Certificate:
  Data:
    Version: 3 (0x2)
    Serial Number:
      61:09:6e:7d:00:00:00:00:00:0c
    Signature Algorithm: sha1WithRSAEncryption
    Issuer: O=Cisco Systems, CN=Cisco Root CA 2048
    Validity
      Not Before: Jun 30 17:56:57 2011 GMT
      Not After : May 14 20:25:42 2029 GMT
    Subject: O=Cisco, CN=ACT2 SUDI CA
    Subject Public Key Info:
      Public Key Algorithm: rsaEncryption
      Public-Key: (2048 bit)
      Modulus:
        00:d2:6e:65:dd:31:c8:c4:0f:6d:37:f8:52:e6:a4:
        7f:e9:46:51:a5:d7:7e:f5:a1:36:25:b1:64:36:38:
        6d:ea:07:c7:29:de:3b:ec:09:12:e5:70:2d:52:ce:
        68:c4:36:15:b7:fc:c4:6e:c9:59:ab:7f:8b:47:aa:
        ab:a8:a2:90:56:ee:89:62:f1:f4:e5:46:0b:06:a0:
        a3:df:cb:3b:e8:d2:e4:e7:7f:74:e5:6c:e9:f6:94:
        5c:99:10:8f:b9:7f:9a:ea:d1:c5:fe:a4:6e:3a:22:
        78:e2:67:5e:0d:86:68:de:a3:c2:a7:1c:e9:ad:62:
        43:3d:c9:4c:e2:26:0a:1e:e9:8c:40:ca:a6:82:68:
        3e:c6:08:47:22:8a:16:4b:cd:01:39:c7:62:ca:71:
        1b:78:fe:6b:67:ba:91:b9:ec:0a:32:99:75:4e:22:
        37:59:d0:4d:8d:98:e7:a5:f8:e0:eb:a1:7e:3f:84:
        9a:0e:41:9b:05:77:46:8f:5d:e8:55:e1:7e:13:21:
        56:2e:b1:63:8f:de:df:2f:6f:bc:a1:ab:95:e3:74:
        2b:be:77:f7:77:f1:9f:a9:78:fb:7b:0f:b3:fe:c5:
        e5:5e:d1:0e:8d:25:c9:51:1b:32:30:48:f9:dd:17:
        5d:f6:d2:70:1e:4c:bc:9d:e6:a9:b3:34:be:af:e9:
        1d:55
      Exponent: 65537 (0x10001)
    X509v3 extensions:
      X509v3 Key Usage:
```



```

    Digital Signature, Non Repudiation, Certificate Sign, CRL Sign
X509v3 Subject Key Identifier:
    48:D8:F1:F1:C2:70:D5:5B:BB:7C:73:09:93:AF:B8:B8:30:03:F8:7F
X509v3 Authority Key Identifier:
    keyid:27:F3:C8:15:1E:6E:9A:02:09:16:AD:2B:A0:89:60:5F:DA:7B:2F:AA

X509v3 CRL Distribution Points:

    Full Name:
      URI:http://www.cisco.com/security/pki/crl/crca2048.crl

    Authority Information Access:
      CA Issuers - URI:http://www.cisco.com/security/pki/certs/crca2048.cer

X509v3 Certificate Policies:
    Policy: 1.3.6.1.4.1.9.21.1.12.0
      CPS: http://www.cisco.com/security/pki/policies/index.html

X509v3 Basic Constraints: critical
    CA:TRUE, pathlen:0
Signature Algorithm: sha1WithRSAEncryption
    68:75:a9:c9:6b:f6:dc:78:87:35:a0:0c:44:66:df:bd:72:7a:
    e1:26:a9:c2:1f:8b:d6:fd:f8:66:cc:48:96:e2:64:77:3f:09:
    c0:a5:d2:52:6e:d1:af:73:4d:70:3d:c3:8e:c7:f7:fb:7a:95:
    e7:6e:1b:16:f8:59:e2:f1:73:00:a2:52:0b:c5:b4:26:b9:d4:
    89:25:b7:c9:cd:6d:c2:98:ff:87:70:d5:ec:7e:ed:a9:80:4d:
    44:0e:e1:08:20:20:4e:bb:c1:52:0f:bb:a6:e0:00:4d:c9:6b:
    f9:d1:4b:7c:4a:61:29:e3:f0:7e:53:7a:18:a6:05:2b:fa:4c:
    40:a2:8b:98:d4:84:e5:ab:c8:02:b8:75:5a:3c:84:28:e4:8c:
    49:33:bb:7b:9f:05:32:5a:a6:7b:fc:f6:0f:4e:13:e1:f7:54:
    a3:38:2f:ef:ca:76:45:0e:fb:9d:9d:8c:52:a7:87:29:78:ed:
    de:dc:65:1e:03:63:82:c8:b8:53:36:3f:50:2c:f1:8c:a3:ce:
    83:69:2b:fb:ab:49:12:35:e1:67:48:96:99:51:d6:71:fb:28:
    d0:e5:e7:ad:7c:c9:f5:4f:d0:81:49:64:11:ab:a2:80:91:06:
    33:92:c0:5b:fc:72:95:82:6e:65:9d:3d:a0:90:4f:69:f0:22:
    34:df:63:c7
SHA1 Fingerprint=F6:96:9B:BD:48:E5:F6:12:5B:93:4D:01:E7:1F:E9:C2:7C:6F:54:7E
-----BEGIN CERTIFICATE-----
MIIEPDCAYsGAWIBAgIKYQ1ufQAAAAAADANBgkqhkiG9w0BAQUFADA1MRyWfAYD
VQQKEw1DaXNjbyBTeXN0ZW1zMRswGQYDVQQDExJDaXNjbyBSb290IENBIDwNDGw
HhcNMTEwNjMwMTc1NjU3WhcNMjkwNTEOMjAyNTQyWjAnMQ4wDAYDVQQKEwVDaXNj
bzEVMBMGA1UEAxMQUm51I3R0IHR5eS5qR/6UZRpdd+9aE2JbFknjht6gfHKd477Aks
5XAtUs5oxDYVt/zEbs1Zq3+LR6qrqKKQVu6JYvH05UYLBqCj38s76NLk53905Wzp
9pRcmRCPuX+a6tHF/qRu0iJ44mdeDYzo3qPCpxzprWJDPclM4iYKHuMMQmgmg+
xghHIOoWS80BOcdiynEbeP5rZ7qRuewKmpl1TiI3WdBNjZjnpfjg66F+P4SaDkGb
BXdGj13oVeF+EyFWLrFjj97fL2+8oauV43Qrvnf3d/GfQXj7ew+z/sXlXtEOjSXJ
URsyMEj53Rdd9tJwHky8neapszS+r+kdvQIDAQABo4IBWjCCAVYwCwYDVR0PBAQD
AgHGMB0GA1UdDgQWBRI2PHxwnDVW7t8cwmTr7i4MAP4fzAfBgNVHSMEGDAWgBQn
88gVHm6aAgkWrSugiWbF2nsvqjBDBgNVHR8EPDA6MDIqNqA0hjJodHRwOi8vd3d3d3
LmNpc2NvLmNvbS9zZW51cm10eS9wa2kvY3JsL2NyY2EyMDQ4LmNybDBQBggrBgEF
BQcBAQREMEIwQAYIKwYBBQUHMAKGh0dHA6Ly93d3cuY2l2Y28uY29tL3N1Y3Vy
aXR5L3BraS9jZkZ0cy9jcmNhMjA0OC5jZkZ0cy9jZkZ0cy9jZkZ0cy9jZkZ0cy9j
AQwAMEMwQQYIKwYBBQUHAgEWNWh0dHA6Ly93d3cuY2l2Y28uY29tL3N1Y3VyYXR5
L3BraS9w2xpY2l1cy9pbmRleC5odG1sMBIGA1UdEwEB/wQIMAYBAf8CAQAwDQYJ
KoZlhcNAQEFBQADggEBAGh1qc1r9tx4hzWgDERm37lyeuEmqcIfi9b9+GbMSJbi
ZHc/CcCl0lJu0a9zTXA9w47H9/t6leduGxb4WeLxcwCiUgvFtCa51Ik1t8nNbcKY
/4dw1ex+7amATUQO4QggIE67wVIPu6bgAE3Ja/nRS3xKYSnj8H5TehimBSv6TECi
i5jUhOWryAK4dVo8hCjkjEkzu3ufBTJapnv89g90E+H3VKM4L+/KdkUO+52djFkn
hy147d7cZR4DY4LIuFM2P1As8YyjoNpK/urSRI14WdIlplR1nH7KND15618yFVP
0IFJZBGrooCRBjOSwFv8cpwCbWdPaCQT2nwIjTfy8c=
-----END CERTIFICATE-----
Certificate:
    Data:

```

```

Version: 3 (0x2)
Serial Number:
    5f:f8:7b:28:2b:54:dc:8d:42:a3:15:b5:68:c9:ad:ff
Signature Algorithm: sha1WithRSAEncryption
Issuer: O=Cisco Systems, CN=Cisco Root CA 2048
Validity
    Not Before: May 14 20:17:12 2004 GMT
    Not After : May 14 20:25:42 2029 GMT
Subject: O=Cisco Systems, CN=Cisco Root CA 2048
Subject Public Key Info:
    Public Key Algorithm: rsaEncryption
    Public-Key: (2048 bit)
    Modulus:
        00:b0:9a:b9:ab:a7:af:0a:77:a7:e2:71:b6:b4:66:
        62:94:78:88:47:c6:62:55:84:40:32:bf:c0:ab:2e:
        a5:1c:71:d6:bc:6e:7b:a8:aa:ba:6e:d2:15:88:48:
        45:9d:a2:fc:83:d0:cc:b9:8c:e0:26:68:70:4a:78:
        df:21:17:9e:f4:61:05:c9:15:c8:cf:16:da:35:61:
        89:94:43:a8:84:a8:31:98:78:9b:b9:4e:6f:2c:53:
        12:6c:cd:1d:ad:2b:24:bb:31:c4:2b:ff:83:44:6f:
        b6:3d:24:77:09:ea:bf:2a:a8:1f:6a:56:f6:20:0f:
        11:54:97:81:75:a7:25:ce:59:6a:82:65:ef:b7:ea:
        e7:e2:8d:75:8b:6e:f2:dd:4f:a6:5e:62:9c:cf:10:
        0a:64:d0:4e:6d:ce:2b:cc:5b:f5:60:a5:27:47:8d:
        69:f4:7f:ce:1b:70:de:70:1b:20:d6:6e:cd:a6:01:
        a8:3c:12:d2:a9:3f:a0:6b:5e:bb:8e:20:8b:7a:91:
        e3:b5:68:ee:a0:e7:c4:01:74:a8:53:0b:2b:4a:9a:
        0f:65:12:0e:82:4d:8e:63:fd:ef:eb:9b:1a:db:53:
        a6:13:60:af:c2:7d:d7:c7:6c:17:25:d4:73:fb:47:
        64:50:81:80:94:4c:e1:bf:ae:4b:1c:df:92:ed:2e:
        05:df
    Exponent: 3 (0x3)
X509v3 extensions:
    X509v3 Key Usage:
        Digital Signature, Certificate Sign, CRL Sign
    X509v3 Basic Constraints: critical
        CA:TRUE
    X509v3 Subject Key Identifier:
        27:F3:C8:15:1E:6E:9A:02:09:16:AD:2B:A0:89:60:5F:DA:7B:2F:AA
        1.3.6.1.4.1.311.21.1:
        ...
Signature Algorithm: sha1WithRSAEncryption
    9d:9d:84:84:a3:41:a9:7c:77:0c:b7:53:ca:4e:44:50:62:ef:
    54:7c:d3:75:17:1c:e8:e0:c6:48:4b:b6:fe:4c:3a:19:81:56:
    b0:56:ee:19:96:62:aa:5a:a3:64:c1:f6:4e:54:33:c6:77:fe:
    c5:1c:ba:e5:5d:25:ca:f5:f0:93:9a:83:11:2e:e6:cb:f8:74:
    45:fe:e7:05:b8:ab:e7:df:cb:4b:e1:37:84:da:b9:8b:97:70:
    1e:f0:e2:8b:d7:b0:d8:0e:9d:b1:69:d6:2a:91:7b:a9:49:4f:
    7e:e6:8e:95:d8:83:27:3c:d5:68:49:0e:d4:9d:f6:2e:eb:a7:
    be:eb:30:a4:ac:1f:44:fc:95:ab:33:06:fb:7d:60:0a:de:b4:
    8a:63:b0:9c:a9:f2:a4:b9:53:01:87:d0:68:a4:27:7f:ab:ff:
    e9:fa:c9:40:38:88:67:b4:39:c6:84:6f:57:c9:53:db:ba:8e:
    ee:c0:43:b2:f8:09:83:6e:ff:66:cf:3e:ef:17:b3:58:18:25:
    09:34:5e:e3:cb:d6:14:b6:ec:f2:92:6f:74:e4:2f:81:2a:d5:
    92:91:e0:e0:97:3c:32:68:05:85:4b:d1:f7:57:e2:52:1d:93:
    1a:54:9f:05:70:c0:4a:71:60:1e:43:0b:60:1e:fe:a3:ce:81:
    19:e1:0b:35
SHA1 Fingerprint=DE:99:0C:ED:99:E0:43:1F:60:ED:C3:93:7E:7C:D5:BF:0E:D9:E5:FA
-----BEGIN CERTIFICATE-----
MIIDQzCCAiugAwIBAgIQX/h7KctU3I1CoxW1aMmt/zANBgkqhkiG9w0BAQUFADA1
MRYwFAYDVQQKEw1DaXNjbyBTeXN0ZW1zMRswGQYDVQQDEkJDaXNjbyBSb290IENB
IDIwNDgwHhcnMDQwNTEOMjAxNzEyWhcnMjkwNTEOMjAyNTQyWjA1MRYwFAYDVQQK
Ew1DaXNjbyBTeXN0ZW1zMRswGQYDVQQDEkJDaXNjbyBSb290IENBIDIwNDgwggEg
MA0GCSqGSIb3DQEBAQUAA4IBDQAwggEIAoIBAQCwrmrmp68Kd6ficba0ZmKUeIhH

```

```

xmJVhEAYv8CrLqUccda8bnuoqrpu0hWlSEWdovyD0My5j0AmaHBKeN8hF570YQXJ
FcjPFto1YYmUQ6iEqDGYeJu5Tm8sUxJsZr2tKyS7McQr/4NEb7Y9JHcJ6r8qqB9q
VvYgDxFU14F1pyXOWWqCZe+36ufijXWLBvLdT6ZeYpzPEApk0E5tzivMW/VgpSdH
jWn0f84bcN5wGyDWbs2mAag8EtKpP6BrXruOIIt6ke01a06g58QBdKhTCytKmg91
Eg6CTY5j/e/rmxrbU6YTYK/CfdfHbBcl1HP7R2RQgYCUTOG/rksc35LtLgXfAgED
o1EwTzALBgNVHQ8EBAMCAYYwDwYDVR0TAQH/BAUwAwEB/zAdBgNVHQ4EFgQUUJ/PI
FR5umgIJFq0roIlgX9p7L6owEAYJKwYBBAGCNxUBBAMCAQAwDQYJKoZIhvcNAQEF
BQADggEBAJ2dhISjQa18dwy3U8pORFbi71R803UXHOjgXkhLtv5MOhmBvrbW7hmW
Yqpao2TB9k5UM8Z3/sUcuuVdJcr18JOagxEu5sv4dEX+5wW4q+ffY0vhN4TauYuX
cB7w4ovXsNgOnbFp1iqRe6lJT37mjpXYgyc81WhJDtSd9i7rp77rMKSsH0T81asz
Bvt9YAretIpjsJyp8qS5UwGH0GikJ3+r/+n6yUA4iGe00caEb1fJU9u6ju7AQ7L4
CYNu/2bPPu8Xs1gYJQk0XuPL1hs27PKSb3TkL4Eq1ZKR4OCXPDJoBYVL0fdX41Id
kxpUnwVvwEpxYB5DC2Ae/qPOgRnhCzU=
-----END CERTIFICATE-----

```

Related Commands

Command	Description
show cert lsc	Displays the contents of the Locally Significant Certificate (LSC).
show cert mic	Displays the contents of the MIC Certificate
show cert web	Displays the contents of the Web Interface Certificate.

show cert web

show cert web

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modification
	1.2	This command was introduced.

Usage Guidelines Use this command to display the contents of the Web Interface Certificate.

Examples

```
admin:show cert web
Certificate:
  Data:
    Version: 3 (0x2)
    Serial Number: 1 (0x1)
    Signature Algorithm: md5WithRSAEncryption
    Issuer: O=Cisco Systems Inc., OU=TSBU, CN=TelePresence-webadmin
    Validity
      Not Before: Jan  1 00:00:13 2006 GMT
      Not After : Jan  1 00:00:13 2026 GMT
    Subject: O=Cisco Systems Inc., OU=TSBU, CN=TelePresence-webadmin
    Subject Public Key Info:
      Public Key Algorithm: rsaEncryption
      RSA Public Key: (1024 bit)
        Modulus (1024 bit):
          00:97:37:5f:7c:7b:8b:af:5f:a0:5d:b7:4e:0d:37:
          cc:f5:f4:c1:28:4a:5b:13:ba:99:d3:df:c7:53:5d:
          87:10:01:c1:bb:d7:e6:c7:88:bd:dd:d5:2f:b5:08:
          e8:a3:42:6e:1f:3e:50:be:f8:2e:18:8d:1f:c0:0d:
          31:f2:c0:d2:b0:cf:9b:f9:ae:a3:19:80:75:56:df:
          98:9d:c5:3a:b4:65:43:71:33:bc:d3:15:30:10:21:
          d2:f0:d7:5c:00:68:8d:87:f1:35:28:14:e6:13:ae:
          a3:d5:fb:9d:bf:34:7d:a9:c2:cd:94:10:5e:ce:ea:
          86:84:41:ff:e4:ce:d6:77:79
        Exponent: 65537 (0x10001)
      Signature Algorithm: md5WithRSAEncryption
        09:c7:0f:df:fd:df:d0:0b:30:da:60:42:50:cc:4a:4f:f6:a1:
        19:61:3b:a2:9a:b2:5c:1b:ca:f6:80:28:9b:95:f6:12:da:48:
        fa:5e:d9:7a:de:98:1a:7b:b7:79:f7:5b:30:77:ac:d2:65:f7:
        29:40:10:4b:4f:d6:97:04:33:42:ae:17:48:36:cb:4e:b6:5f:
        d7:6b:fc:67:a1:72:2d:a8:c3:cd:44:3a:c8:22:e3:ae:e0:f2:
        05:f4:c8:81:37:73:42:0d:47:0d:9d:43:a1:9f:0a:b3:bb:50:
        00:0a:35:b0:9d:2d:3d:c8:76:69:00:24:9a:42:72:5c:e7:47:
        da:d6
    MD5 Fingerprint=4A:60:E5:98:FC:FF:F7:1B:FA:87:21:53:37:65:A1:6F
    -----BEGIN CERTIFICATE-----
    MIICDCCAXWgAwIBAgIBATANBgkqhkiG9w0BAQQFADBMMRswGQYDVQQKEExJDaXNj
```

```

byBTeXN0ZW1zIEluYy4xDtALBgNVBAStBFRTQ1UxHjAcBgNVBAMTFVR1bGVQcmVz
ZW5jZS13ZWJhZG1pbjAeFw0wNjAxMDEwMDAwMTNaFw0yNjAxMDEwMDAwMTNaMEwx
GzAZBgNVBAoTEkNpc2NvIFN5c3R1bXMgSW5jLjENMAsgA1UECxMEVFNVCVTEeMBwG
A1UEAxMVGsZVByZXN1bmNlLXd1YmFkbWluMIGfMA0GCsqGSIb3DQEBAQUAA4GN
ADCBiQKBgQCXN198e4uvX6Bdt04NN8z19MEoS1sTupnT38dTXycQAcG71+bHiL3d
1S+1COijQm4fP1C++C4YjR/ADThywNKwz5v5rcMZgHVW35idxTq0ZUNxM7zTFTAQ
IdLw11wAaI2H8TUoFOYTrqPV+52/NH2pws2UEF706oaEQf/kztZ3eQIDAQABMA0G
CSqGSIb3DQEBAUAA4GBAAnHD9/939ALMNpgQ1DMSk/2oRlh06KaslwyvaAKJuV
9hLaSPpe2XremBp7t3n3WzB3rNJ19ylAEEtPlpcEM0KuF0g2y062X9dr/Gehci2o
w81EOsgI467g8gX0yIE3c0INRw2dQ6GfCrO7UAAKNbCdLT3IdmkAJJpCc1znR9rW
-----END CERTIFICATE-----

```

Related Commands

Command	Description
show cert lsc	Displays the contents of the Locally Significant Certificate (LSC).
show cert mic	Displays the contents of the Manufacturing Installed Certificate (MIC).

show config all

show config all [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.2.1	This command was modified to include configuration information about the Touch 10 device and switch information.

Usage Guidelines	Use this command to retrieve the configuration information.
-------------------------	---

Examples

```
admin:show config all
```

```
Switch Config:
```

```
swfront is configured with proper IP 169.254.1.15 and MAC c4:72:95:01:69:c0
```

```

System Config
CCM Mode           : CCM
Model              : Cisco TelePresence IX5000
Type               : 6 seats
IP Address         : 10.107.195.115
Displays           : 3
Load Image         : IX.8-2-1-4D-K9.P3
Time Zone          : India Standard Time
Phone Number       : 33115
Web Access         : Enabled
Conference Room    :
Max Call Duration  : CUCM limit
Quality            : Highest Detail, Best Motion: 1080p
Main Display FPS   : 60 fps Main Display
Presentation FPS   : 30 fps Presentation
CTS Auto Answer    : Follow CUCM DN setting
Advertise G.722 Codec : Use System Default
External SYSLOG Address :
Alt CUCM Dir Addr  :
http://10.107.195.85/tms/public/external/phonebook/phonebookservice.asmx
Max Self View Time : 120
Enable Call Term Ring : Enabled
Live Support Number :
Ext CTS Log Address :
Ext CTS Log Protocol : scp
Ext CTS Log User    :
Ext CTS Log Period  : never
Ext CTS Log Start   :

```

```
Touch Config:
Touch#      IP          MAC
   1       169.254.1.101  88:43:e1:c5:f1:77  Established
```

Related Commands

Command	Description
show config phone	Displays phone configuration information.
show config system	Displays system configuration information.

show config phone

show config phone [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines	Use this command to retrieve the phone configuration information.
-------------------------	---

Examples	<pre>admin:show config phone Phone Config Phone Number : 12500 Phone IP : 10.00.00.100 Phone Connection : Uplink</pre>
-----------------	--

Related Commands	Command	Description
	show config all	Displays all configuration information.
show config system	Displays system configuration information.	

show config switch

show config switch [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines	Use this command to display switch configuration information.
-------------------------	---

Examples

```
admin:show config switch
swleft is configured properly with IP 169.254.1.17 and MAC c4:72:95:01:5e:c0
swright is configured properly with IP 169.254.1.16 and MAC c4:72:95:01:49:c0
swfront is configured properly with IP 169.254.1.15 and MAC c4:72:95:01:69:c0
```

show config system

show config system [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.2.1	This command was modified to include additional display information.

Usage Guidelines Use this command to retrieve the system configuration information.

Examples

```
admin:show config system
```

```
System Config
CCM Mode           : CCM
Model              : Cisco TelePresence IX5000
Type               : 6 seats
IP Address         : 10.107.195.115
Displays          : 3
Load Image         : IX.8-2-1-4D-K9.P3
Time Zone          : India Standard Time
Phone Number       : 33115
Web Access         : Enabled
Conference Room    :
Max Call Duration  : CUCM limit
Quality            : Highest Detail, Best Motion: 1080p
Main Display FPS   : 60 fps Main Display
Presentation FPS   : 30 fps Presentation
CTS Auto Answer    : Follow CUCM DN setting
Advertise G.722 Codec : Use System Default
External SYSLOG Address :
Alt CUCM Dir Addr  :
http://10.107.195.85/tms/public/external/phonebook/phonebookservice.aspx
Max Self View Time : 120
Enable Call Term Ring : Enabled
Live Support Number :
Ext CTS Log Address :
Ext CTS Log Protocol : scp
Ext CTS Log User    :
Ext CTS Log Period  : never
Ext CTS Log Start   :
```

show config touch

show config touch [page]

Syntax Description

page	Optional. Pages through the output.
-------------	-------------------------------------

Command Default

No default behavior or values.

Command History

Release	Modifications
1.8	This command was introduced.
IX 8.2.1	This command was modified to include additional display information.

Usage Guidelines

Use this command to retrieve the Cisco TelePresence Touch 12 or Touch 10 configuration information.

Examples

```
admin:show config touch
```

```
Touch Config:
```

```
Touch#      IP           MAC           Established
  1         169.254.1.101 88:43:e1:c5:f1:77
```

show directory alternate

show directory alternate

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.
	1.8	This command was removed.

Usage Guidelines Use this command to display the configured alternate directory server. If none are defined, then the default Cisco Unified Communications Manager (Cisco Unified CM) directory server is used.

Examples `admin:show directory alternate`

show display diags

show display diags

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.

Usage Guidelines Use this command to return the diagnostics for the display.

Examples

```
admin:show display diags
Return value of display diags = 0
Display has no failures
```

Related Commands	Command	Description
	show display display_status	Returns status of the display.
	show display errors	Returns errors for the display.
	show display hdmi	Returns HDMI port information for the display.

show display display_status

show display display_status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to display the status of the display (if it is off or on standby, for example).

Examples

```
admin:show display display_status
display is STANDBY
```

Related Commands	Command	Description
	show display diags	Returns diagnostics for the display.
	show display errors	Returns errors for the display.
	show display hdmi	Returns HDMI port information for the display.

show display errors

show display errors

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to show any errors that are associated with the display and display power supply.

Examples

```
admin:show display errors
Error status = 0
Power supply has no failures
```

Related Commands	Command	Description
	show display diags	Returns diagnostics for the display.
	show display display_status	Returns status of the display.
	show display hdmi	Returns HDMI port information for the display.

show display hdmi

show display hdmi

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to show information about the HDMI ports of the display.

Examples

```
admin:show display hdmi
admin:show display hdmi
Main Tx:
Port Address: 0x72.
VENDOR_ID=0x01
DEV_ID=0x9134
DEV_REV=0x1
Aux Tx:
Port Address: 0x76.
VENDOR_ID=0x01
DEV_ID=0x9134
DEV_REV=0x1
Main Rx:
Port Address: 0x60.
VENDOR_ID=0x01
DEV_ID=0x9135
DEV_REV=0x4
Aux Rx:
Port Address: 0x62.
VENDOR_ID=0x01
DEV_ID=0x9135
DEV_REV=0x4
```

Related Commands

Command	Description
show display diags	Returns diagnostics for the display.
show display display_status	Returns status of the display.
show display errors	Returns errors for the display.

show display port

show display port

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays the display port information.

Examples

```
admin:show display port
DFP1: Left Aux
DFP2: Center Aux
DFP3: Right Aux
DFP5: Right Main
DFP6: Center Main
DFP7: Left Main
```

show dot1x status

`show dot1x status`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.

Usage Guidelines Use this command to show the status of the 802.1x protocol.

Examples

```
admin:show dot1x status
Not required
```

show downrev-cucm status

show downrev-cucm status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.

Usage Guidelines Use this command to display the current Cisco Unified Communications Manager (Cisco Unified CM) Down Revision support state. The Cisco Unified CM Down Revision feature enables or disables the Cisco TelePresence System (CTS) 3200 from working with Cisco Unified CM Release 5.x and later releases.

Examples

```
admin:show downrev-cucm status
```

The current state of the CUCM Down Revision support: enabled

Related Commands	Command	Description
	set downrev-cucm disable	Disables the CTS 3200 from working with Cisco Unified CM.
	set downrev-cucm enable	Enables the CTS 3200 to work with Cisco Unified CM.

show dtls version

show dtls version

Syntax Description this command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.3.1.1	This command was introduced.

Usage Guidelines Use this command to display the current dtls settings on IX system.

Examples

```
admin:set dtls version
DTLSv1_0 disabled
DTLSv1_2 enabled
```

Related Commands	Command	Description
	set dtls version	Set the DTLS version.

show firewall status

show firewall status [detail | page]

Syntax Description	detail	Optional. Displays detailed network information.
	page	Optional. Pages through the output.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5.10	This command was introduced.

Usage Guidelines Use this command to display firewall entries.

Examples

```
admin:show firewall status

Chain INPUT (policy DROP)
target prot opt source destination
ACCEPT all -- anywhere anywhere
ACCEPT icmp -- anywhere anywhere
ACCEPT all -- anywhere anywhere state RELATED,ESTABLISHED
ACCEPT tcp -- anywhere anywhere state NEW tcp dpt:sip
ACCEPT tcp -- anywhere anywhere state NEW tcp dpt:8081
ACCEPT tcp -- anywhere anywhere state NEW tcp dpt:8082
....
Chain ipsla_resp (1 references)
target prot opt source destination
Chain video_rtcp (1 references)
target prot opt source destination
Chain video_rtp (1 references)
target prot opt source destination
```

show firewall xmlrpc

`show firewall xmlrpc`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to display the current firewall settings for XmlRpc ports.

Examples

```
admin:show firewall xmlrpc
```

XmlRpc ports are open

show gpu version

show gpu version

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays the Graphics Processing Unit (GPU) driver version.

Examples

```
admin:show gpu version
Active GPU Versions:
ii fglrx          2:14.502-1039B1  amd64      Video driver for the AMD graphics
accelerators
ii fglrx-amdcccle 2:14.502-1039B1  amd64      Catalyst Control Center for the AMD
graphics accelerators
ii fglrx-core     2:14.502-1039B1  amd64      Minimal video driver for the AMD
graphics accelerators
ii fglrx-dev      2:14.502-1039B1  amd64      Video driver for the AMD graphics
accelerators (devel files)
```


show hardware all

show hardware all

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display all hardware information.

Examples

```
admin:show hardware all

Display Serial Number      : 44048101420563
Display Hardware Version   : 0400
Display Model              : Unknown
Display Boot Code Version  : INFO:Display is unsupported
Display App Code Version   : INFO:Display is unsupported
```

Related Commands	Command	Description
	show hardware audio	Displays all audio-related hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware lcu	Displays information about the light control unit (LCU).
	show hardware system	Displays all system-related hardware information.
	show hardware video	Displays all video hardware information.

show hardware audio

show hardware audio

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display all audio-related hardware information.

Examples

```
admin:show hardware audio

Audio Hardware Version : 4
Audio CPLD Version    : 6
Audio DSP Build ID    : 00.09.000b
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware lcu	Displays information about the light control unit (LCU).
	show hardware system	Displays all system-related hardware information.
	show hardware video	Displays all video hardware information.

show hardware backplane

show hardware backplane

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines This command displays backplane information, including bit values and their signals, of each port on the PICs.

Examples

```
admin:show hardware backplane
```

```
Titanium1 PIC1:
PORT 1: 0x00008018
12V_PS_OK           : 1
SHB_PS_ON           : 0
IOB_PWR_GOOD        : 1
SHB_PWR_GOOD        : 1
PIC2_PIC1_ALERT     : 0

PORT 2: 0x0000601e
FAN_ALERT           : 1
SWITCH_INTR         : 1
PERST               : 1
ECB_A_EN            : 1
ECB_B_EN            : 1
ECB_C_EN            : 1
```

show hardware display

show hardware display

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.

Usage Guidelines Use this command to show all hardware information for the system display.

Examples

```
admin:show hardware display

MANUFACTURER: XYZ(0x0000)
PRODUCT_CODE: 0xf015
SERIAL_NUMBER: 0x1234567a
WEEK_MANUFACTURE: 37
YEAR_MANUFACTURE: 2010
VERSION_NUMBER: 1
REVISION_NUMBER: 3
VIDIO_INPUT_DEFINITION: Digital Signal
MAX_HORIZONTAL_DISPLAY_LENGTH: 520 mm
MAX_VERTICAL_DISPLAY_LENGTH: 320 mm
DISPLAY_GAMMA: 2.20
DISPLAY_TYPE: unknown(0xee)
HARDWARE_VERSION: 8L
PID:
VID:
S/N:
TAN:
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware audio	Displays all audio-related hardware information.
	show hardware lcu	Displays information about the light control unit (LCU).
	show hardware system	Displays all system-related hardware information.
	show hardware video	Displays all video hardware information.

show hardware encoder

show hardware encoder

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines This command displays information about Encoder.

Examples

```
admin:show hardware encoder

encoder ECB:
  STATUS_WORD           : 0x3809   Expected 0x3849.
  POWER_GOOD = 1
  OFF-bit asserted if MOSFET is not on
  STATUS_VOUT           : 0
  STATUS_INPUT          : 0x14     Expected 0x10.
  STATUS_TEMPERATURE    : 0
  STATUS_MFR_SPECIFIC   : 0x10
  READ_VIN              : 12
  READ_VOUT              : 12
  READ_TEMP_1           : 36
  VOUT_UV_WARN_LIMIT    : 0
  OT_FAULT_LIMIT        : 150
  OT_WARN_LIMIT         : 125
  VIN_OV_WARN_LIMIT     : 18
  VIN_UV_WARN_LIMIT     : 0
```

show hardware lcu

show hardware projector

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	TX 6.0 and CTS 1.10	This command was introduced.

Usage Guidelines Use this command to display information about the light control unit (LCU).

Examples

```
admin:show hardware lcu
Serial Baud Rate: Unable to communicate with light control unit
System Up Time: Unable to communicate with light control unit
Heartbeat Timer: Unable to communicate with light control unit
SN: Unable to communicate with light control unit
PID: Unable to communicate with light control unit
VID: Unable to communicate with light control unit
Firmware Version: Unable to communicate with light control unit
Model: Unable to communicate with light control unit
Reset reason: Unable to communicate with light control unit

Executed command unsuccessfully
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware audio	Displays all audio-related hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware system	Displays all system-related hardware information.
	show hardware video	Displays all video hardware information.

show hardware projector

show hardware projector

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to display projector hardware information.

Examples

```
admin:show hardware projector

Projector Model : 0:Sanyo PLV-Z4
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware lcu	Displays information about the light control unit (LCU).
	show hardware system	Displays all system-related hardware information.
	show hardware video	Displays all video hardware information.

show hardware system

show hardware system

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display all system hardware information.

Examples

```
admin:show hardware system

Display Hardware Version      : 0400
DisplaySerial Number        : FSJC0537527
DisplayProduct ID           : CTS-CODEC-PRIM
...
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware audio	Displays all audio-related hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware lcu	Displays information about the light control unit (LCU).
	show hardware video	Displays all video hardware information.

show hardware video

show hardware video

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display all video hardware information.

Examples

```
admin:show hardware video
```

```
Display Camera Brand           : Lumenera/pulsar
Display Camera Model          : 1.0D
Display Camera Hardware Version : 2
Display Camera Firmware Version : 306:521
Display Camera Firmware Image Date : Wed Apr 13 16:21:16 EST 2009
...
```

Related Commands	Command	Description
	show hardware all	Displays all hardware information.
	show hardware audio	Displays all audio-related hardware information.
	show hardware display	Displays all system-related hardware information.
	show hardware leu	Displays information about the light control unit (LCU).
	show hardware system	Displays all system-related hardware information.

show inventory

show inventory

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to retrieve the platform inventory information.

Examples

```
admin:show inventory
```

```
NAME: "ciscoTSPri", DESCR: "Cisco TelePresence Primary Codec"  
PID: CTS-CODEC-PRIM=, VID: V01, SN:FHH1059M00M
```

show license status

show license status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view license status.



Note

If the status shows that the feature is enabled but not currently running, you may need to restart the calling services.

Examples admin:`show license status`

```
License feature status
satellite:
  Valid license found
  License feature is enabled
  Feature is currently running
```

Related Commands	Command	Description
	utils service restart	Restarts a service.

show meetings detail

show meetings detail [*id meetingid*]

Syntax Description	<i>meetingid</i>	Optional argument. Display meeting details about supplied meeting ID only.
---------------------------	------------------	--

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Add 'id' to parameter.

Usage Guidelines	Use this command to view meeting details.
-------------------------	---

Examples	admin: show meetings detail
-----------------	------------------------------------

```
Meeting ID: 644
Start Time: Sep 07 10 22:00:00
End Time: Sep 07 10 22:30:00
Subject: recurring max
Dial Number: 40094
Coordinator: atat amei
Coordinator Email:
Conference ID:
Private : FALSE
Security: Unknown
Admin:
```

show meetings summary

show meetings summary

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to view meeting summary and details.

Examples

```
admin:show meetings summary
```

```
Meeting ID Start Time End Time Subject Dial # Coordinator
```

```
=====
```

```
199 Oct 26 09 21:00:00 Oct 26 09 21:30:00 Staff Meeting Alan Gee
112 Oct 26 09 22:25:00 Oct 26 09 22:55:00 Process Engineering 81000 Bill
130 Oct 27 09 08:00:00 Oct 27 09 08:30:00 Customers issue 81000 Tim
133 Oct 28 09 08:00:00 Oct 28 09 08:30:00 All-hands 81000 CEO
```

show myself

show myself

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to view information about the current account.

Examples

```
admin:show myself
```

```
Machine Name      : SEP0019AA043ABF
Account name     : test
Privilege level  : 1
Output setting   : disabled
Logging setting  : disabled
```

show network all

`show network all [detail | page]`

Syntax Description	detail	Optional. Displays detailed network information.
	page	Optional. Pages through the output.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to retrieve all basic platform network information. It will concatenate the [show network eth0](#), [show network route](#), and [show network status](#) commands.

Examples

```
admin:show network all
```

```
Ethernet 0 - Primary
DHCP          : enabled          Link Status: up
IP Address    : 12.32.49.141     IP Mask      : 255.255.255.0
MAC Address   : 00:19:AA:04:3A:BF VLAN      : 300
Mode          : Auto enabled, full duplex, 1000MB/s

Ethernet eth0:1
IP Address    : 192.168.0.1      IP Mask      : 255.255.255.0

Ethernet eth0:2
IP Address    : 192.168.1.1      IP Mask      : 255.255.255.0

Ethernet eth2
IP Address    : 192.168.2.1      IP Mask      : 255.255.255.0

Ethernet eth3
IP Address    : 192.168.3.1      IP Mask      : 255.255.255.0

DNS
Primary       : 171.58.226.120   Secondary    : 171.70.168.183
Domain        : cisco.com
Gateway       : 12.32.49.1 on Ethernet eth0.300

192.168.3.0/24 dev eth3 proto kernel scope link src 192.168.3.1
192.168.2.0/24 dev eth2 proto kernel scope link src 192.168.2.1
192.168.1.0/24 dev eth0 proto kernel scope link src 192.168.1.1
192.168.0.0/24 dev eth0 proto kernel scope link src 192.168.0.1
10.32.49.0/24 dev eth0.300 proto kernel scope link src 12.32.49.141
default via 12.32.49.1 dev eth0.300

Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address          Foreign Address         State
```

show network all

```

tcp      0      0 SEP0019AA043:TSCMA_Ctrl SEP0019AA043ABF:58108 ESTABLISHED
tcp      0      0 SEP0019AA043ABF:58108 SEP0019AA043:TSCMA_Ctrl ESTABLISHED
tcp      0      0 localhost:TSCCA_Ctrl   localhost:59800      ESTABLISHED
tcp      0      0 localhost:59800        localhost:TSCCA_Ctrl ESTABLISHED
tcp      0      0 localhost:TSCCA_Ctrl   localhost:60457      ESTABLISHED
tcp      0      0 localhost:60457        localhost:TSCCA_Ctrl ESTABLISHED
tcp      0      0 localhost:TSCCA_Ctrl   localhost:60453      ESTABLISHED
tcp      0      0 localhost:60453        localhost:TSCCA_Ctrl ESTABLISHED
tcp      0      0 localhost:TSCCA_Ctrl   localhost:60455      ESTABLISHED
tcp      0      0 localhost:60455        localhost:TSCCA_Ctrl ESTABLISHED
tcp      0      0 SEP0019AA043:TSCCA_Ctrl SEP0019AA043ABF:57079 ESTABLISHED
tcp      0      0 SEP0019AA043ABF:57079 SEP0019AA043:TSCCA_Ctrl ESTABLISHED
tcp      0      0 localhost:TSCMA_Ctrl   localhost:52003      ESTABLISHED
tcp      0      0 localhost:52003        localhost:TSCMA_Ctrl ESTABLISHED
tcp      0      0 localhost:61463        localhost:52896      ESTABLISHED
tcp      0      0 localhost:52896        localhost:61463      ESTABLISHED
tcp      0      0 localhost:61463        localhost:52900      ESTABLISHED
tcp      0      0 localhost:52900        localhost:61463      ESTABLISHED
tcp      0      0 localhost:61463        localhost:52891      ESTABLISHED
tcp      0      0 localhost:52891        localhost:61463      ESTABLISHED
tcp      1      0 localhost:53219        localhost:61449      CLOSE_WAIT
tcp      0      0 localhost:45221        localhost:61448      TIME_WAIT
tcp      0      0 SEP0019AA043:TSOSD_Ctrl SEP0019AA043ABF:45634 ESTABLISHED
tcp      0      0 SEP0019AA043ABF:45634 SEP0019AA043:TSOSD_Ctrl ESTABLISHED
tcp      0      0 localhost:61448        localhost:49006      ESTABLISHED
tcp      0      0 localhost:49006        localhost:61448      ESTABLISHED
tcp      0      0 localhost:61448        localhost:49037      ESTABLISHED
tcp      0      0 localhost:49037        localhost:61448      ESTABLISHED
tcp      0      0 localhost:61448        localhost:49047      ESTABLISHED
tcp      0      0 localhost:49047        localhost:61448      ESTABLISHED
tcp      0      0 localhost:61448        localhost:49048      ESTABLISHED
tcp      0      0 localhost:49048        localhost:61448      ESTABLISHED
tcp      0      0 SEP0019AA043ABF:42734 tsbu-de-cm4p.cisco.:sip ESTABLISHED
tcp      342    0 localhost:43719        localhost:61460      CLOSE_WAIT
tcp      342    0 localhost:43715        localhost:61460      CLOSE_WAIT
tcp      342    0 localhost:43679        localhost:61460      CLOSE_WAIT
tcp      342    0 localhost:43702        localhost:61460      CLOSE_WAIT
tcp      0      0 localhost:TSCMR_Ctrl   localhost:44730      ESTABLISHED
tcp      0      0 localhost:44730        localhost:TSCMR_Ctrl ESTABLISHED
tcp      0      0 SEP0019AA043ABF:61458 tbipp.local:38853     ESTABLISHED
tcp      0      0 localhost:33035        localhost:61464      TIME_WAIT
tcp      0      0 localhost:33034        localhost:61464      TIME_WAIT
tcp      0      0 localhost:33037        localhost:61464      TIME_WAIT
tcp      0      0 localhost:33036        localhost:61464      TIME_WAIT
tcp      0      0 localhost:33038        localhost:61464      TIME_WAIT
tcp      0      0 localhost:61448        localhost:33694      ESTABLISHED
tcp      0      0 localhost:33694        localhost:61448      ESTABLISHED
tcp      0      0 localhost:61452        localhost:34870      ESTABLISHED
tcp      0      0 localhost:34870        localhost:61452      ESTABLISHED
tcp      0      0 localhost:61454        localhost:36427      ESTABLISHED
tcp      0      0 localhost:36427        localhost:61454      ESTABLISHED
tcp      0      0 SEP0019AA043ABF:42313 tbipp.local:www      TIME_WAIT
tcp      0      0 SEP0019AA043ABF:42304 tbipp.local:www      TIME_WAIT
tcp      0      0 SEP0019AA043ABF:42306 tbipp.local:www      TIME_WAIT
tcp      0      0 SEP0019AA043ABF:61457 tbipp.local:22562     ESTABLISHED

```

Active UNIX domain sockets (w/o servers)

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	9	[]	DGRAM		1324	/dev/log
unix	2	[]	DGRAM		3407	/tmp/secCmdSock
unix	2	[]	DGRAM		3409	/tmp/secSrvrSock
unix	2	[]	DGRAM		37105	
unix	2	[]	DGRAM		9775	
unix	2	[]	DGRAM		3366	
unix	2	[]	DGRAM		3317	


```
unix 2      [ ]      DGRAM      3280
unix 2      [ ]      DGRAM      2738
unix 2      [ ]      DGRAM      2373
unix 2      [ ]      DGRAM      1332
```

Related Commands

Command	Description
show network eth0	Displays basic platform network information about Ethernet 0.
show network route	Displays basic platform network route information.
show network status	Displays basic platform network status information.

show network eth0

show network eth0 [detail]

Syntax Description	detail	Displays detailed network information about Ethernet port 0.
---------------------------	---------------	--

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines	Use this command to retrieve basic platform network information about Ethernet port 0.
-------------------------	--

Examples	<pre>admin:show network eth0 Ethernet 0 DHCP : no Status : UP IP Address : 192.0.2.0 IP Mask : 255.255.255.000 Link Detected: yes Mode : Auto off, Full, 100MB/s DNS Primary : 000.70.100.000 Secondary : Domain : cisco.com Gateway : 000.107.100.1 on Ethernet 0</pre>
-----------------	--

Related Commands	Command	Description
	show network all	Displays all basic platform network information.
	show network route	Displays basic platform network route information.
	show network status	Displays basic platform network status information.

show network route

`show network route [detail]`

Syntax Description	<code>detail</code>	Optional. Displays detailed network route information.
---------------------------	---------------------	--

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to retrieve basic platform network route information.

Examples

```
admin:show network route
```

```
192.168.3.0/24 dev eth3 proto kernel scope link src 192.168.3.1
192.168.2.0/24 dev eth2 proto kernel scope link src 192.168.2.1
192.168.1.0/24 dev eth0 proto kernel scope link src 192.168.1.1
192.168.0.0/24 dev eth0 proto kernel scope link src 192.168.0.1
12.32.49.0/24 dev eth0.300 proto kernel scope link src 12.32.49.141
default via 12.32.49.1 dev eth0.300
```

Related Commands	Command	Description
	show network all	Displays all basic platform network information.
	show network eth0	Displays basic platform network information about Ethernet 0.
	show network status	Displays basic platform network status information.

show network status

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

Syntax Description

detail	Displays additional status information.
listen	Displays only listening sockets.
process	Displays the process ID and name of the program to which each socket belongs.
all	Displays both listening and non-listening sockets.
nodns	Displays numerical addresses without any DNS information.
search <i>text</i>	Searches for the text string in the output. The <i>text</i> argument is required.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.

Usage Guidelines

Use this command to retrieve basic platform network status information. The **search** option must be followed by a text string. This string cannot contain any spaces or tabs. It is case insensitive. Search for the “stext” in the output.

Examples

```
admin:show network status
```

```
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 localhost:57656         localhost:61448         TIME_WAIT
tcp        0      0 localhost:57655         localhost:61448         TIME_WAIT
tcp        0      0 SEP0019AA043:TSCMA_Ctrl SEP0019AA043ABF:58108  ESTABLISHED
tcp        0      0 SEP0019AA043ABF:58108  SEP0019AA043:TSCMA_Ctrl ESTABLISHED
tcp        0      0 localhost:TSCCA_Ctrl   localhost:59800         ESTABLISHED
tcp        0      0 localhost:59800        localhost:TSCCA_Ctrl   ESTABLISHED
tcp        0      0 localhost:TSCCA_Ctrl   localhost:60457         ESTABLISHED
tcp        0      0 localhost:60457        localhost:TSCCA_Ctrl   ESTABLISHED
tcp        0      0 localhost:TSCCA_Ctrl   localhost:60453         ESTABLISHED
tcp        0      0 localhost:60453        localhost:TSCCA_Ctrl   ESTABLISHED
tcp        0      0 localhost:TSCCA_Ctrl   localhost:60455         ESTABLISHED
tcp        0      0 localhost:60455        localhost:TSCCA_Ctrl   ESTABLISHED
tcp        0      0 SEP0019AA043:TSCCA_Ctrl SEP0019AA043ABF:57079  ESTABLISHED
tcp        0      0 SEP0019AA043ABF:57079  SEP0019AA043:TSCCA_Ctrl ESTABLISHED
tcp        0      0 localhost:TSCMA_Ctrl   localhost:52003         ESTABLISHED
tcp        0      0 localhost:52003        localhost:TSCMA_Ctrl   ESTABLISHED
tcp        0      0 localhost:61463        localhost:52896         ESTABLISHED
tcp        0      0 localhost:52896        localhost:61463         ESTABLISHED
tcp        0      0 localhost:61463        localhost:52900         ESTABLISHED
tcp        0      0 localhost:52900        localhost:61463         ESTABLISHED
tcp        0      0 localhost:61463        localhost:52891         ESTABLISHED
tcp        0      0 localhost:52891        localhost:61463         ESTABLISHED
```

```

tcp      1      0 localhost:53219          localhost:61449          CLOSE_WAIT
tcp      0      0 SEP0019AA043:TSOSD_Ctrl SEP0019AA043ABF:45634   ESTABLISHED
tcp      0      0 SEP0019AA043ABF:45634   SEP0019AA043:TSOSD_Ctrl ESTABLISHED
tcp      0      0 localhost:61448         localhost:49006         ESTABLISHED
tcp      0      0 localhost:49006         localhost:61448         ESTABLISHED
tcp      0      0 localhost:61448         localhost:49037         ESTABLISHED
tcp      0      0 localhost:49037         localhost:61448         ESTABLISHED
tcp      0      0 localhost:61448         localhost:49047         ESTABLISHED
tcp      0      0 localhost:49047         localhost:61448         ESTABLISHED
tcp      0      0 localhost:61448         localhost:49048         ESTABLISHED
tcp      0      0 localhost:49048         localhost:61448         ESTABLISHED
tcp      0      0 localhost:41042         localhost:61464         TIME_WAIT
tcp      0      0 localhost:41043         localhost:61464         TIME_WAIT
tcp      0      0 localhost:41044         localhost:61464         TIME_WAIT
tcp      0      0 localhost:41045         localhost:61464         TIME_WAIT
tcp      0      0 localhost:41046         localhost:61464         TIME_WAIT
tcp      0      0 SEP0019AA043ABF:42734   tsbu-de-cm4p.cisco.:sip ESTABLISHED
tcp      342    0 localhost:43719         localhost:61460         CLOSE_WAIT
tcp      342    0 localhost:43715         localhost:61460         CLOSE_WAIT
tcp      342    0 localhost:43679         localhost:61460         CLOSE_WAIT
tcp      342    0 localhost:43702         localhost:61460         CLOSE_WAIT
tcp      0      0 localhost:TSCMR_Ctrl    localhost:44730         ESTABLISHED
tcp      0      0 localhost:44730         localhost:TSCMR_Ctrl    ESTABLISHED
tcp      0      0 SEP0019AA043ABF:61458   tbipp.local:38853       ESTABLISHED
tcp      0      0 localhost:61448         localhost:33694         ESTABLISHED
tcp      0      0 localhost:33694         localhost:61448         ESTABLISHED
tcp      0      0 localhost:61452         localhost:34870         ESTABLISHED
tcp      0      0 localhost:34870         localhost:61452         ESTABLISHED
tcp      0      0 localhost:61454         localhost:36427         ESTABLISHED
tcp      0      0 localhost:36427         localhost:61454         ESTABLISHED
tcp      0      0 SEP0019AA043ABF:61457   tbipp.local:22562       ESTABLISHED
tcp      0      0 SEP0019AA043ABF:45152   tbipp.local:www         TIME_WAIT
tcp      0      0 SEP0019AA043ABF:45154   tbipp.local:www         TIME_WAIT
tcp      0      0 SEP0019AA043ABF:45143   tbipp.local:www         TIME_WAIT

```

Active UNIX domain sockets (w/o servers)

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	9	[]	DGRAM		1324	/dev/log
unix	2	[]	DGRAM		3407	/tmp/secCmdSock
unix	2	[]	DGRAM		3409	/tmp/secSrvrSock
unix	2	[]	DGRAM		37105	
unix	2	[]	DGRAM		9775	
unix	2	[]	DGRAM		3366	
unix	2	[]	DGRAM		3317	
unix	2	[]	DGRAM		3280	
unix	2	[]	DGRAM		2738	
unix	2	[]	DGRAM		2373	
unix	2	[]	DGRAM		1332	

Related Commands

Command	Description
show network all	Displays all basic platform network information.
show network eth0	Displays basic platform network information about Ethernet 0.
show network route	Displays basic platform network route information.

show nwfaildet

show nwfaildet

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Usage Guidelines Use this command to view Network Failure Detection parameters.

Examples

```
admin:show nwfaildet
```

The current state of the Network Failure Detection: enabled

show osd-alt

show osd-alt

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Usage Guidelines Use this command to view which alternate file for the OSD service is being used.

Examples

```
admin:show osd-alt
default
```

show peripherals version

show peripherals version

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines Use this command to provide detailed version information about active peripheral devices.

Examples

```
admin:show peripherals version
Peripheral Versions:
Upgrading Peripherals
Description      : State                :Hw : Dev Ver          :Img Ver
===== : ===== :==: ===== : =====
main board Ctrl 1 : no upgrade required : 2: 00.12 (A)      : 00.12
main board Ctrl 2 : no upgrade required :  : 00.0E (A)       : 00.0E
video board Ctrl 1 : no upgrade required : 2: 00.13 (A)       : 00.13
audio board Ctrl 1 : no upgrade required :  : 01.02 (B)        : 01.02
subwoofer Ctrl 1  : version unavailable :  : ???              : 00.13
audio TDM Ctrl 1  :version unavailable:  :                  :
audio TDM Ctrl 2  :version unavailable:  :                  :
audio TDM Ctrl 3  :version unavailable:  :                  :
display main left : version unavailable :  :                  : 51.00.08
display main center : version unavailable :  :                  : 51.00.08
display main right : version unavailable :  :                  : 51.00.08
capture card flash : no upgrade required : 3: 15021718        : 15021718
camera flash      : no upgrade required : 3: 15030616        : 15030616
```


show pip-default

show pip-default

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to retrieve the initial default presentation-in-picture (PiP) status.

Examples

```
admin:show pip-default
The current initial state of pip is: presentation
```

show presentation auto-share

`show presentation auto-share`

Syntax Description This command has no arguments or keywords.

Command Default Auto-share is enabled by default.

Command History	Release	Modifications
	TX6.1	This command was introduced.

Usage Guidelines Use this command to show whether the automatic sharing of presentations is enabled or disabled.

Examples

```
admin:show presentation auto-share
enabled
```

show reinvoke-wait status

`show reinvoke-wait status`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Usage Guidelines Use this command to view the status of the bandwidth reinvoke wait feature.

Examples

```
admin:show reinvoke-wait status
Bandwidth re-invoke wait is enabled
```

show remote status

show remote status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to view the remote speaker and video status.

Examples `admin:show remote status`

show secondary status

show secondary status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	1.8	This command was removed.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to retrieve the status of the secondary codecs. The following are possible states of the secondary codec:

- Run Normal
- System Booting Up
- System Shutting Down
- System Rebooting
- Upgrading Image
- Image Upgrade Failed
- Upgrading Peripherals
- Peripheral Upgrade Failed
- Error, system is in an unknown state

Examples

```
admin:show secondary status

testing left...
    secondary is still booting

testing right...
    secondary is up
```

■ show secondary status

Related Commands	Command	Description
	show status	Displays basic platform status information.
	utils system	

show security authstring

show security authstring

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to view the CAPF authentication string.

Examples

```
admin:show security authstring
123456
```

Related Commands	Command	Description
	show security info	Shows security information.
	show security trustlist	Displays the security trustlist.

show security info

show security info [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.2	The command was introduced.

Usage Guidelines	Use this command to view security information.
-------------------------	--

Examples	admin: show security info
-----------------	----------------------------------

```
security information
=====
  version           : 1.0 [Apr 30 2007, 14:05:07]
  MIC               : yes
  LSC               : NO
  device sec mode   : 1 (auth)
  num CTL entries   : 4
  timers in use     : 0 timers
  sockets in use    : 3 sockets
  clnt SSL in use   : 0 clnt SSL
  active reqs.      : 0 reqs.

  info  o/p on      : none
  debug o/p on      : none
  verbose o/p on    : none
```

Related Commands	Command	Description
	show security authstring	Shows the CAPF authentication string.
	show security trustlist	Displays the security trustlist.

show security trustlist

show security trustlist [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	The command was introduced.

Usage Guidelines	Use this command to display the security trustlist.
-------------------------	---

Examples

```
admin:show security trustlist
```

```
ctl info
=====
ctl file (if any)      : /nv/security/ctl/CTLFile.tlv
hash of CTL (16 bytes):
max allowed entries   : 32
max allowed entries   : 32
num current entries   : 4
CTS has CTL
CTL table entries:
CTL-tbl [0]
  role: 0 (SAST)
  ip  : n/a
  dns :
  sub : cn="SAST-ADN418e4e14           ";ou=IPCBU;o="Cisco Systems
  iss : cn=CAP-RTP-001;o=Cisco Systems
  ser : available, 10 bytes
  pkey: available, 140 bytes
  sig : n/a
  hash: n/a
  cert: available, 933 bytes
CTL-tbl [1]
  role: 0 (SAST)
  ip  : n/a
  dns :
  sub : cn="SAST-ADN47ece814           ";ou=IPCBU;o="Cisco Systems
  iss : cn=CAP-RTP-002;o=Cisco Systems
  ser : available, 10 bytes
  pkey: available, 140 bytes
  sig : n/a
  hash: n/a
  cert: available, 907 bytes
CTL-tbl [2]
  role: 2 (CCM_TFTP)
  ip  : 171.28.176.239
  dns : test-cm5-10
```

■ show security trustlist

```

sub : cn=test-cm5-10.cisco.com
iss : cn=test-cm5-10.cisco.com
ser : available, 8 bytes
pkey: available, 140 bytes
sig : n/a
hash: n/a
cert: available, 578 bytes
CTL-tbl [3]
role: 4 (CAPF)
ip   : 100.00.100.239
dns  : test-cm5-10
sub  : cn=CAPF-45131e4a;o=cisco
iss  : cn=CAPF-45131e4a;o=cisco
ser  : available, 8 bytes
pkey: available, 140 bytes
sig  : n/a
hash: n/a
cert: available, 626 bytes

```

Related Commands

Command	Description
show security authstring	Shows the CAPF authentication string.
show security info	Shows security information

show sessions

show sessions

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	The command was introduced.

Usage Guidelines Use this command to retrieve the number of sessions that are currently logged into the CTS.

Examples

```
admin:show sessions  
  
1 session (s)
```

show snmp log_level

show snmp log_level

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0	The command was introduced.

Usage Guidelines Use this command to display the snmp log level.

Examples

```
admin:show snmp log_level
0
```

Related Commands	Command	Description
	set snmp log_level	Set the log level.

show status

show status

Syntax Description There are no arguments or keywords.

Command Default No default behavior or values.

Release	Modifications
1.2	This command was introduced.

Usage Guidelines Use this command to retrieve basic platform status information.

admin:**show status**

```
Host Name      : SEP0019AA043ABF
Date           : Mon Nov 27, 2011 22:55:02
Time Zone      : GMT
Locale         : en_US
Product Ver    : CTS 2011-04-24
System State   : Run Normal
Boot Slot      : 2
Uptime:
  10:55pm up 2 days, 23:17, load average: 0.01, 0.06, 0.07
```

```
Memory Total:      516180K
   Free:           115360K
   Used:           400820K
   Shared:         0K
   Buffers:        262268K
```

	Total	Free	Used
Disk/ram	253871K	115417K	138454K (55%)
Disk/logging	103847K	56844K	41641K (42%)
Disk/factory	47104K	6148K	40956K (86%)
Disk/slot 1	47088K	5325K	41763K (88%)
Disk/slot 2	47088K	4932K	42156K (89%)

You can use this command in conjunction with other commands. For instance, the following combination of commands checks the status of the primary codec:

admin:**utils system left**
Left:**show status**

```
Host Name      : ts2.local
Date           : Wed Oct 19, 2011 18:22:16
Time Zone      : PDT
Locale         : en_US
Product Ver    : CTS Main(1657) P1
System State   : Run Normal
Boot Slot      : 5
Uptime: 6:22pm up 18:57, load average: 0.20, 0.17, 0.11
```

See the [utils system](#) command for more information. See also [show secondary status](#).

Related Commands

Command	Descriptions
show secondary status	Displays status of the secondary codecs.

show syslog facility

show syslog facility

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to show the syslog default facility used for logging messages.

Examples

```
admin:show syslog facility

Facility not set, using default of local0
```

Related Commands	Command	Description
	show syslog timezone	Shows the syslog time zone setting as either local time or GMT/UTC.
	show syslog version	Shows the syslog output version.

show syslog heartbeat facility

`show syslog heartbeat facility`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to show the syslog heartbeat facility used for heartbeat messages.

Examples

```
admin:show syslog heartbeat facility
Facility not set, using default of local0
```

Related Commands	Command	Description
	show syslog heartbeat interval	Shows the currently configured heartbeat interval in minutes.
	show syslog heartbeat msg	Shows the configured heartbeat message test string.
	show syslog heartbeat severity	Shows the configured severity of the heartbeat messages.

show syslog heartbeat interval

`show syslog heartbeat interval`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to show the syslog heartbeat interval in minutes. 0 minutes is disabled.

Examples

```
admin:show syslog heartbeat interval

Interval not set, using default of 0(disabled)
```

Related Commands	Command	Description
	show syslog heartbeat facility	Shows the configured facility configured for heartbeat messages.
	show syslog heartbeat msg	Shows the configured heartbeat message test string.
	show syslog heartbeat severity	Shows the configured severity of the heartbeat messages.

show syslog heartbeat msg

show syslog heartbeat msg

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view the configured heartbeat message test string.

Examples

```
admin:show syslog heartbeat msg
```

Message not set, using default of "Syslog heartbeat message"

Related Commands	Command	Description
	show syslog heartbeat facility	Shows the configured facility configured for heartbeat messages.
	show syslog heartbeat interval	Shows the currently configured heartbeat interval in minutes.
	show syslog heartbeat severity	Shows the configured severity of the heartbeat messages.

show syslog heartbeat severity

show syslog heartbeat severity

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view the configured severity of the heartbeat messages.

Examples

```
admin:show syslog heartbeat severity
Severity not set, using default of 6(info)
```

Related Commands	Command	Description
	show syslog heartbeat facility	Shows the configured facility configured for heartbeat messages.
	show syslog heartbeat interval	Shows the currently configured heartbeat interval in minutes.
	show syslog heartbeat msg	Shows the configured heartbeat message test string.

show syslog remote_server

show syslog remote_server

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to view the syslog remote server details.

Examples

```
admin:show syslog remote_server
```

```
Configured Remote Syslog Server : 10.00.000.008:514
Remote Syslog Server Severity : 4 (warning)
admin:
```

Related Commands	Command	Description
	show syslog server	View the syslog server details.

show syslog server

show syslog server

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.
	1.8	This command was removed.

Usage Guidelines Use this command to view the syslog server details.

Examples admin:show syslog server

Related Commands	Command	Description
	show syslog remote_server	View the syslog remote server details.

show syslog timezone

`show syslog timezone`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view the syslog time zone setting as either local time or GMT/UTC.

Examples

```
admin:show syslog timezone

Timezone not set, using default of GMT/UTC
```

Related Commands	Command	Description
	show timezone config	Displays the current timezone setting in long format.
	show timezone list	Lists all the available timezones in long format.

show syslog version

show syslog version

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to view the syslog output version, either CiscoLog v1.1 or IETF/RFC Syslog Protocol Version 1.

Examples

```
admin:show syslog version

Version is not set, using default of IETF/RFC Syslog Protocol v1 format
```

Related Commands	Command	Description
	show syslog facility	Shows the syslog default facility used for logging messages
	show syslog timezone	Shows the syslog time zone setting as either local time or GMT/UTC

show tech network

show tech network [page]

Syntax Description	page	Optional. Pages through the output.
---------------------------	-------------	-------------------------------------

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	The command was introduced.

Usage Guidelines	Use this command to view network aspects of the machine. This command also shows detailed information about the following:
-------------------------	--

- Ethernet interfaces
- Routes
- Host file
- Resolver file
- Network connections

Examples	admin: show tech network
-----------------	---------------------------------

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

show tech runtime

`show tech runtime [page]`

Syntax Description

page Optional. Pages through the output.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	The command was introduced.

Usage Guidelines

Use this command to view runtime aspects of the machine. This command also shows detailed information about the following:

- Environment variables
- System resources
- Processor usage
- NV registry
- FW registry

Examples

```
admin:show tech runtime page 1

----- show platform runtime -----

environment variables
ConsoleRows=23
SHELL=/usr/local/bin/startcli
TERM=vt100
SSH_CLIENT=111.70.11.114 2446 22
SSH_TTY=/dev/tty1
ConsoleColumns=62
USER=admin
PATH=/bin:/usr/bin:/usr/sbin:/sbin:/usr/local/bin:/usr/local/sbin:.
MAIL=/var/mail/admin
PWD=/nv/home/admin
LANG=en_US
paramLine=name=admin priv=4 role=master
HOME=/nv/home/admin
SHLVL=2
LOGNAME=admin
SSH_CONNECTION=111.70.11.114 2446 10.32.49.141 22
UPG_RUNNING=0
:enter for 1 line, space for one page, q to quit
```

Related Commands

Command	Description
show tech network	Shows network aspects of the machine.
show tech system	Shows system aspects of the machine.

show tech system

`show tech system [page]`

Syntax Description

<code>page</code>	Optional. Pages through the output.
-------------------	-------------------------------------

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	The command was introduced.

Usage Guidelines

Use this command to view system aspects of the machine. This command also shows the following:

- Machine name
- Software modules
- Hardware pci bus
- Security information

Examples

```
admin:show tech system
```

Related Commands

Command	Description
show tech network	Shows network aspects of the machine.
show tech runtime	Shows runtime aspects of the machine.

show timezone config

show timezone config

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to display the current timezone setting in long format.

Examples

```
admin:show timezone config

Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
```

Related Commands	Command	Description
	show timezone list	Lists all the available timezones in long format.

show timezone list

`show timezone list [page]`

Syntax Description

page	Optional. Pages through the output.
-------------	-------------------------------------

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	The command was introduced.
1.8	This command was removed.

Usage Guidelines

Use this command to list all the available timezones in long format.

Examples

```
admin:show timezone list

(GMT-12:00) Eniwetok, Kwajalein
(GMT-11:00) Midway Island, Samoa
(GMT-10:00) Hawaii
:
:
(GMT+12:00) Auckland, Wellington
(GMT+13:00) Nuku\x27alofa

Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
```

Related Commands

Command	Description
show timezone config	Displays the current timezone setting in long format

show tls version

show tls version {client | server}

Syntax Description

client	Displays the TLS version in use for the client interfaces.
server	Displays the TLS version in use for the server interfaces.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.2.2	This command was introduced.

Usage Guidelines

This command displays the TLS protocol version enabled for the IX system's client or server interfaces.

Examples

```
admin:show tls version client
TLsv1_2 Enabled
```

Related Commands

Command	Descriptions
set tls version	Sets the TLS version enabled for the IX system's client and server interfaces.

show touch switchmodel

show touch switchmodel

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines This command displays the model for the switch connected.

Examples

```
admin:show touch switchmodel
swfront.local Model number           : WS-C2960C-8PC-L
swright.local Model number           : WS-C2960C-8PC-L
swleft.local Model number            : WS-C2960C-8PC-L
```

show upgrade

`show upgrade [detail]`

Syntax Description	detail	Optional. Displays detailed information regarding upgrade.
---------------------------	---------------	--

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to view upgrade status. The **detail** keyword will show the current versions of the peripherals as well as the peripheral firmware versions in the image. If a peripheral has been marked for forced upgrade with the **set upgrade** commands, the entry will be followed by an “F” in the output. See [Set Commands](#) and [Unset Commands](#).

Examples

```
admin:show upgrade
```

```
There are no peripherals being upgrade at this time
left sub system...
There are no peripherals being upgrade at this time
right sub system...
There are no peripherals being upgrade at this time
```


show version

show version

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to retrieve the version number of the software on the system. There will be an asterisk next to the currently booted version.

Examples

```
admin:show version

Slot0 = SIPTS 1.0.0.201
*Slot1 = SIPTS 1.0.2.101
Slot2 = SIPTS 1.0.1.045
```

show video h265

show video h265

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.3	This command was introduced.

Usage Guidelines Use this command to see whether the H.265 High Efficiency Video Coding (HEVC) standard is enabled or disabled for your system.

Examples

```
admin: show video h265
Disabled
```

Related Commands	Command	Description
	set video h265	Enables or disables the H.265 standard.

show video status

show video status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to view video status.

Examples
admin:`show video status`

Related Commands	Command	Description
	show audio status	Displays audio status.



Unset Commands

Revised: October 26, 2015

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

- [unset upgrade audio](#)
- [unset upgrade auxiliary-ctrl](#)
- [unset upgrade camera](#)
- [unset upgrade display](#)
- [unset upgrade firmware](#)
- [unset upgrade graphic-driver](#)
- [unset upgrade graphic-icons](#)
- [unset upgrade micro-controller](#)

unset upgrade audio

unset upgrade audio

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the audio peripheral. You can see if a peripheral is set for a forced upgrade by running the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the [set upgrade](#) commands. See [Set Commands](#).

Examples

```
admin:unset upgrade audio
```

Unsetting forced audio upgrade

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade auxiliary-ctrl

unset upgrade auxiliary-ctrl

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the auxiliary-ctrl peripheral. You can see if a peripheral is set for a forced upgrade by running the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the [set upgrade](#) commands. See [Set Commands](#).

Examples

```
admin:unset upgrade auxiliary-ctrl

Unsetting forced auxiliary-ctrl upgrade
```

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade camera

unset upgrade camera

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the camera peripheral. You can see if a peripheral is set for a forced upgrade by running the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the [set upgrade](#) commands. See [Set Commands](#)

Examples

```
admin:unset upgrade camera

Unsetting forced camera upgrade
```

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade display

unset upgrade display

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the display peripheral. You can see if a peripheral is set for a forced upgrade by running the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the [set upgrade](#) commands. See [Set Commands](#).

Examples

```
admin:unset upgrade display
```

Unsetting forced display upgrade

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade firmware

unset upgrade firmware

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the firmware peripheral. You can see if a peripheral is set for a forced upgrade by running the [show upgrade detail](#) command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the [set upgrade](#) commands. See [Set Commands](#).

Examples

```
admin:unset upgrade firmware

Unsetting forced firmware upgrade
```

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade graphic-driver

unset upgrade graphic-driver

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced as unset upgrade disp-driver-2 .
	1.4.0	The command, unset upgrade disp-driver-2 , was replaced by unset upgrade graphic-driver .
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the graphic driver. You can see if a peripheral is set for a forced upgrade by running the **show upgrade detail** command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the **set upgrade** commands. See [Set Commands](#).

Examples

```
admin:unset upgrade graphic-driver
```

Unsetting forced graphic driver upgrade

Related Commands	Command	Descriptions
	show upgrade	Shows details of an upgrade.

unset upgrade graphic-icons

`unset upgrade graphic-icons`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced as <code>unset upgrade disp-driver-1</code> .
	1.4.0	The command, <code>unset upgrade disp-driver-1</code> , was replaced with <code>unset upgrade graphic-icons</code> .
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the of the graphic icons. You can see if a peripheral is set for a forced upgrade by running the `show upgrade detail` command. Each peripheral marked for a forced upgrade will be followed by an “F” in the output. You can mark a peripheral by using the `set upgrade` commands. See [Set Commands](#).

Examples

```
admin:unset upgrade graphic-icons

Unsetting forced graphic icons upgrade
```

Related Commands	Command	Descriptions
	<code>show upgrade</code>	Shows details of an upgrade.

unset upgrade micro-controller

unset upgrade microcontroller

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to clear a forced upgrade of the of the microcontroller.

Examples

```
admin:unset upgrade micro-controller
Unsetting forced pic upgrade
```

Command	Descriptions
show upgrade	Shows details of an upgrade.

■ `unset upgrade micro-controller`



Utils Commands

Revised: September 29, 2020

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

- `utils arp delete`
- `utils arp list`
- `utils arp set`
- `utils calendaring configuration clear`
- `utils healthcheck run`
- `utils ipsla responder disable`
- `utils ipsla responder enable`
- `utils ipsla responder initiators add`
- `utils ipsla responder initiators del`
- `utils ipsla responder initiators list`
- `utils logs abort`
- `utils logs ftp`
- `utils logs generate`
- `utils logs generate audio`
- `utils logs generate other`
- `utils logs generate phone`
- `utils logs generate presentation`
- `utils logs generate recording`
- `utils logs generate video`
- `utils logs scp`
- `utils logs sftp`
- `utils logs status`
- `utils micgain set`
- `utils micgain show`
- `utils network capture`

- `utils network host`
- `utils network mtr`
- `utils network ping`
- `utils network sip`
- `utils network tcp`
- `utils network tracert`
- `utils ntp config`
- `utils ntp server add`
- `utils ntp server delete`
- `utils ntp status`
- `utils remote_account create`
- `utils remote_account disable`
- `utils remote_account enable`
- `utils remote_account status`
- `utils security clear`
- `utils service list`
- `utils service restart`
- `utils service start`
- `utils service stop`
- `utils snmp reset`
- `utils snmp save`
- `utils system`
- `utils system factory init`
- `utils system factory reset`
- `utils system presentation`
- `utils system restart`
- `utils system switch-version`
- `utils Touch-switch configure-new-switches`
- `utils upgrade peripherals`
- `utils upgrade recheck-peripherals`
- `utils upgrade Touch-switch ftp`
- `utils upgrade Touch-switch http`
- `utils upgrade Touch-switch scp`
- `utils upgrade Touch-switch sftp`

utils arp delete

utils network arp delete *host*

Syntax Description	<i>host</i>	Required. The name or dotted IP address of the host to delete.
---------------------------	-------------	--

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.2	This command was introduced.

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

Examples	admin: <code>utils network arp delete myhost</code>
-----------------	---

Related Commands	Command	Description
	utils arp list	Lists the contents of the Address Resolution Protocol table.
utils arp set	Sets an entry in the Address Resolution Protocol table.	

utils arp list

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

Syntax Description

host	Optional. Specifies that you want to list a specific host (host).
<i>hostname</i>	Optional. Specifies the hostname of the specific host (hostname).
<i>numeric</i>	Optional. Shows the host as dotted IP addresses.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.

Usage Guidelines

Use this command to list the contents of the Address Resolution Protocol table. If you select the option keyword `numeric`, host names are shown as dotted IP addresses.

For the Flags column:

- C: cached
- M: permanent
- P: Published

Examples

```
admin: utils network arp list
```

```
Address                HWtype  HWaddress           Flags Mask          Iface
sjc21-3f-hsrp.cisco.com ether    00:00:0C:07:AC:71  C                   eth0
philly.cisco.com       ether    00:D0:B7:85:98:8E  C                   eth0
Entries: 2             Skipped: 0          Found: 2
```

Related Commands

Command	Description
utils arp delete	Deletes an entry in the Address Resolution Protocol table.
utils arp set	Sets an entry in the Address Resolution Protocol table.

utils arp set

utils network arp set *{host addr}*

Syntax Description

<i>host</i>	Required. Name or dotted IP address of the host to add.
<i>addr</i>	Required. Hardware address (MAC) of the host to be added in the format XX:XX:XX:XX:XX:XX

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.

Usage Guidelines

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

Examples

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

Related Commands

Command	Description
utils arp delete	Deletes an entry in the Address Resolution Protocol table.
utils arp list	Lists the contents of the Address Resolution Protocol table.

utils calendaring configuration clear

`utils calendaring configuration clear`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.

Usage Guidelines Use this command to clear the calendaring information from the system that was propagated from Cisco TelePresence Server (TS) or CTS-Manager.

Examples `admin: utils calendaring configuration clear`

utils healthcheck run

utils healthcheck run

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines Use this command to perform a health check of the system. The health check provides consolidated output from the commands listed in the Related Commands table below.

Examples

```
admin: utils healthcheck run

INSTRUCTIONS:
Need to connect aux displays to the host CPU in order to detect the bronze card firmware
version on the aux displays side
Enter "yes" to continue or any other key to abort
continue: yes
-----
SYSTEM SOFTWARE AND TOUCH VERSION
-----
Active Software version is: 8.2.1
Active Touch version is: CTSDEV10-442-11-0-1KKPL-415.pkg
RESULT: PASS
-----
SYSTEM HARDWARE DETAILS
-----
RESULT: PASS

-----
SYSTEM INVENTORY DETAILS
-----
RESULT: PASS

-----
SYSTEM DISPLAY DP PORT DETAILS
-----
Number of the connected screens : 6
Number of the configured screens : 6
RESULT: PASS

-----
SYSTEM PERIPHERALS VERSION DETAILS
-----
main_board_Ctrl_1: PASS
main_board_Ctrl_2: PASS
video_board_Ctrl_1: PASS
audio_board_Ctrl_1: PASS
```

```

subwoofer_Ctrl_1: FAILED (version unavailable)
audio_TDM_Ctrl_1: PASS
audio_TDM_Ctrl_2: FAILED (version unavailable)
audio_TDM_Ctrl_3: FAILED (version unavailable)
display_main_left: FAILED (version unavailable)
camera_flash: PASS
capture_card_flash: PASS
display_main_right: FAILED (version unavailable)
display_main_center: FAILED (version unavailable)

```

```

-----
SYSTEM BRONZE CARD VERSION DETAILS
-----

```

```

Active Bronze Card Version

```

```

second pegasus at top port current version 0.49.0 upgrade version 0
first pegasus at top port current version 0.49.0 upgrade version 0
second pegasus at btm port current version 0.49.0 upgrade version 0
first pegasus at btm port current version 0.49.0 upgrade version 0

```

```

-----
SYSTEM GPU VERSION DETAILS
-----

```

```

GPU Versions:

```

```

ii fglrx                               2:14.502-1039B1          amd64
Video driver for the AMD graphics accelerators
ii fglrx-amdcccle                       2:14.502-1039B1          amd64
Catalyst Control Center for the AMD graphics accelerators
ii fglrx-core                           2:14.502-1039B1          amd64
Minimal video driver for the AMD graphics accelerators
ii fglrx-dev                             2:14.502-1039B1          amd64
Video driver for the AMD graphics accelerators (devel files)

```

```

-----
SYSTEM TOUCH SWITCH MODEL DETAILS
-----

```

```

swright.local switch WS-C2960C-8PC-L is compatible
RESULT = PASS

```

```

-----
SYSTEM CAMERA DETAILS
-----

```

```

RESULT: PASS

```

```

-----
SYSTEM TOUCH CONFIGURATION DETAILS
-----

```

```

Touch Config:

```

```

Touch#      IP              MAC                      Established
    1        169.254.1.101    88:43:e1:c5:f1:77

```

```

-----
SYSTEM SWITCH CONFIGURATION DETAILS
-----

```

```

RESULT: PASS (swright is configured with proper IP 169.254.1.17 and MAC
c4:72:95:b4:00:40)

```

```

-----
SYSTEM ENVIRONMENT DETAILS
-----

```

```

Will be having the details of the

```

1. Environment variables
2. System resources
3. Processor usage
4. NV registry
5. FW registry

```

-----
SYSTEM CAMERACABLE DETAILS

```

```
-----
The camera cable test will take about 10 minutes to finish the testing. Please wait until
the test is completed.
totals: lane0:0 lane1:0 lane2:0 lane3:0 delta_chg_cnt:0 CABLE PASSED
```

Related Commands	Command	Description
	show bronzecard version	Displays the bronzecard driver version.
	show camera cablestatus	Displays camera cable status information.
	show camera status	Displays camera status information.
	show config switch	Displays switch configuration information.
	show config touch	Displays the Cisco TelePresence Touch 10 configuration information.
	show display port	Displays the display port information.
	show gpu version	Displays the Graphics Processing Unit (GPU) driver version.
	show hardware all	Displays all hardware information.
	show inventory	Displays platform inventory information.
	show peripherals version	Displays the active peripheral device version details.
	show touch switchmodel	Displays the model for the switch connected.
	show tech runtime	Displays runtime aspects of the machine.
	show version	Displays the version number of the software on the system.

utils ipsla responder disable

utils ipsla responder disable

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to disable the Cisco IP Service Level Agreements (IP SLA) responder functionality.

Examples `admin: utils ipsla responder disable`

Related Commands	Command	Description
	utils ipsla responder enable	Enables the Cisco IP Service Level Agreements responder probe functionality.
	utils ipsla responder initiators add	Adds a Cisco IP Service Level Agreements initiator/sender device IP address to the list of allowed initiators.
	utils ipsla responder initiators del	Deletes a Cisco IP Service Level Agreements initiator from the list of allowed initiators that can interact with this Cisco TelePresence System (CTS) device.
	utils ipsla responder initiators list	Lists all active allowed Cisco IP Service Level Agreements initiators for this CTS device.

utils ipsla responder enable

`utils ipsla responder enable [start port | end port]`

Syntax Description

<code>start port</code>	Optional. Start port range. Indicates the beginning number of a TCP or UDP port range for allowed ports when configuring the Cisco IP Service Level Agreements (IP SLA) probe on the sender.
<code>end port</code>	Optional. End port range. Indicates the ending number of a TCP or UDP port range for allowed ports when configuring the IP SLA probe on the sender.

Command Default

`start`—Default is 32770 (min 32770).

`end`—Default is 32800 (max 65535).

Command History

Release	Modifications
1.5	This command was introduced.
IX 8.0	Parameter corrections

Usage Guidelines

Use this command to enable the Cisco IP Service Level Agreements (IP SLA) responder probe functionality. To restrict the allowed IP SLA responder ports, use the start and end port range option. Use the **utils ipsla responder initiators** command to set access control restrictions.

You can also use this command to check whether IP SLA is already enabled. If IP SLA is already enabled, the system provides output regarding the ports that have already been configured.

Examples

```
admin: utils ipsla responder enable
```

```
Starting IPSLA responder using port range 32770 - 33000...
```

Related Commands

Command	Description
utils ipsla responder disable	Disables the Cisco IP Service Level Agreements responder functionality.
utils ipsla responder initiators add	Adds a Cisco IP Service Level Agreements initiator/sender device IP address to the list of allowed initiators.
utils ipsla responder initiators del	Deletes a Cisco IP Service Level Agreements initiator from the list of allowed initiators that can interact with this Cisco TelePresence System (CTS) device.
utils ipsla responder initiators list	Lists all active allowed Cisco IP Service Level Agreements initiators for this CTS device.

utils ipsla responder initiators add

`utils ipsla responder initiators add {net net/prefix}`

Syntax Description

<code>net net/prefix</code>	Required. Network/prefix for the Cisco IP Service Level Agreements (IP SLA) initiators.
-----------------------------	---

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to add a Cisco IP Service Level Agreements (IP SLA) initiator/sender device IP address to the list of allowed initiators. When you configure probes on sender devices (which are normally Cisco IOS-based routers), you specify a source IP address to be used when sending probe requests. Use the [utils ipsla responder initiators add](#) command to add the source IP address to the initiators list so that Cisco TelePresence System (CTS) can respond to the probe. The default is to have no initiators or senders.



Note Restart the IP SLA responder by using the [utils ipsla responder disable](#) and [utils ipsla responder enable](#) commands after making changes to the IP SLA initiators list.

Examples

```
admin: utils ipsla responder initiators add net 00.000.00.00
```

Related Commands

Command	Description
utils ipsla responder disable	Disables the Cisco IP Service Level Agreements responder functionality.
utils ipsla responder enable	Enables the Cisco IP Service Level Agreements responder probe functionality.
utils ipsla responder initiators del	Deletes a Cisco IP Service Level Agreements initiator from the list of allowed initiators that can interact with this CTS device.
utils ipsla responder initiators list	Lists all active allowed Cisco IP Service Level Agreements initiators for this CTS device.

utils ipsla responder initiators del

```
utils ipsla responder initiators del {net net/prefix}
```

Syntax Description

<code>net net/prefix</code>	Required. Network/prefix for the Cisco IP Service Level Agreements (IP SLA) initiators.
-----------------------------	---

Command Default

No default behavior or values.

Command History

Release	Modifications
1.5	This command was introduced.

Usage Guidelines

Use this command to delete a Cisco IP Service Level Agreements (IP SLA) initiator from the list of allowed initiators that can interact with this Cisco TelePresence System (CTS) device.



Note Restart the IP SLA responder by using the [utils ipsla responder disable](#) and [utils ipsla responder enable](#) commands after making changes to the IP SLA initiators list.

Examples

```
admin: utils ipsla responder initiators del net 00.000.00.00
```

Related Commands

Command	Description
utils ipsla responder disable	Disables the Cisco IP Service Level Agreements responder functionality.
utils ipsla responder enable	Enables the Cisco IP Service Level Agreements responder probe functionality.
utils ipsla responder initiators add	Adds a Cisco IP Service Level Agreements initiator/sender device IP address to the list of allowed initiators.
utils ipsla responder initiators list	Lists all active allowed Cisco IP Service Level Agreements initiators for this CTS device.

utils ipsla responder initiators list

utils ipsla responder initiators list

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to list all active allowed Cisco IP Service Level Agreements (IP SLA) initiators for this Cisco TelePresence System (CTS) device.



Note At least one initiator must be configured for the IP SLA responder to work.

Examples admin: `utils ipsla responder initiator list`

Allow Host/Network List:

Related Commands	Command	Description
	utils ipsla responder disable	Disables the Cisco IP Service Level Agreements responder functionality.
	utils ipsla responder enable	Enables the Cisco IP Service Level Agreements responder probe functionality.
	utils ipsla responder initiators add	Adds a Cisco IP Service Level Agreements initiator/sender device IP address to the list of allowed initiators.
	utils ipsla responder initiators del	Deletes a Cisco IP Service Level Agreements initiator from the list of allowed initiators that can interact with this CTS device.

utils logs abort

utils logs abort

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to abort the last generated log files.

Examples

```
admin:utils logs abort

Aborting current generate log files...
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs ftp	Generates log files to an FTP server.
	utils logs scp	Generates log files to an SCP server.
	utils logs sftp	Generates log files to an SFTP server.
	utils logs status	Displays the status of the last generated log files.

utils logs generate

utils logs generate

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.2.2	This command was introduced.

Usage Guidelines Use this command to generate logs in system.

Examples

```
admin:utils logs generate
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs ftp	Generates log files to an FTP server
	utils logs scp	Generates log files to an SCP server
	utils logs sftp	Generates log files to an SFTP server
	utils logs status	Displays the status of the last generated log files.

utils logs ftp

utils logs ftp [*username password ip-or-hostname*]

Syntax Description

<i>username</i>	Required. Name of the FTP account.
<i>password</i>	Password of the FTP account.
<i>ip-or-hostname</i>	Required. Destination as a hostname or dotted IP address.
details	Optional. Displays log transfer details.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.0	This command was introduced.
1.6.0	This command was modified with the help option.
IX 8.0	Command changed from ‘utils logs generate ftp’ to ‘utils logs ftp’ from IX 8.0.2.2

Usage Guidelines

Use this command to FTP the generated log files to an external server. To transfer the log files to an anonymous server with no password, use quotation marks for the password, for example:

```
utils logs ftp anonymous " " ftpserver
```

The filename of the log sent to the FTP server is based on the Cisco TelePresence System (CTS) hostname and the time the log file was created. The format is as follows:

```
logFiles_SEPXXXXXXXXXXXX_YYYY.MM.DD.HHmm_tar.gz
```

Format	Description
XXXXXXXXXXXX	MAC address.
YYYY	Year log file was created.
MM	Month log file was created.
DD	Day log file was created.
HHmm	Hour and minute log file was created in 24-hour format. For files older than one year, the HHmm field will be 0000.

So a log file created on 15 May 2009 at 13:48 would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.1348_tar.gz
```

That same file year later would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.0000_tar.gz
```

If an error occurs with the FTP command, the error and the error code are displayed.

You can also use the help option in the command string, for example:

help utils logs ftp

Examples

```
admin:utils logs ftp testuser testpass ftpserver
```

Related Commands

Command	Description
utils logs abort	Aborts the last generated log files.
utils logs generate audio	Generates audio log files.
utils logs scp	Generates log files to an SCP server.
utils logs sftp	Generates log files to an SFTP server.
utils logs status	Displays the status of the last generated log files.

utils logs generate abort

utils logs generate abort

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.9	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to stop generation of the audio log files.

Examples

```
admin:utils logs generate abort
Aborting current generate log files...100% get logs complete
```

Related Commands	Command	Description
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

utils logs generate audio

utils logs generate audio

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to generate audio log files.

Examples

```
admin:utils logs generate audio
```

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

utils logs generate other

utils logs generate other

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to generate log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).

Examples admin:utils logs generate other

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

utils logs generate phone

utils logs generate phone

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to generate phone log files.

Examples

```
admin:utils logs generate phone
```

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

utils logs generate presentation

utils logs generate presentation

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to generate presentation device log files.

Examples `admin:utils logs generate presentation`

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate recording	Generates sound recording log files.
	utils logs generate video	Generates video log files.

utils logs generate recording

utils logs generate recording

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to generate sound recording log files.

Examples

```
admin:utils logs generate recording
```

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates video log files.

utils logs generate video

utils logs generate video

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.
	1.5.0	This command was expanded to include specific log output.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to generate video log files.

Examples

```
admin:utils logs generate video
```

```
Generating log files... this may take a while
0%  preparing to get logs
10%  add system state
15%  add application state
40%  add application logs
60%  add configuration files
65%  add calendar files
70%  add boot log files
75%  add secondary logs
80%  compress log files
100% get logs complete
```

Related Commands	Command	Description
	utils logs generate audio	Generates audio log files.
	utils logs generate other	Generates log files for other devices, such as Auxiliary Control Unit (ACU), LEDs, and digital media player (DMP).
	utils logs generate phone	Generates phone log files.
	utils logs generate presentation	Generates presentation device log files.
	utils logs generate recording	Generates sound recording log files.

utils logs scp

utils logs scp [*username password ip-or-hostname*]

Syntax Description

<i>username</i>	Required. Name of the SCP account.
<i>password</i>	Password of the SCP account.
<i>ip-or-hostname</i>	Required. Destination as a hostname or dotted IP address.
details	Optional. Displays log transfer details.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.0	This command was introduced.
1.6.0	This command was modified with the help option.
IX 8.0.2.2	This command changed from “utils logs generate scp” to “utils logs scp” in IX 8.0.2.2.

Usage Guidelines

Use this command to SCP the generated log files to an external server. To transfer the log files to an anonymous server with no password, use quotation marks for the password, for example:

```
utils logs scp anonymous " " scpserver
```

The filename of the log sent to the SCP server is based on the Cisco TelePresence System (CTS) hostname and the time the log file was created. The format is as follows:

```
logFiles_SEPXXXXXXXXXXXX_YYYY.MM.DD.HHmm_tar.gz
```

Format	Description
XXXXXXXXXXXX	MAC address.
YYYY	Year log file was created.
MM	Month log file was created.
DD	Day log file was created.
HHmm	Hour and minute log file was created in 24-hour format. For files older than one year, the HHmm field will be 0000.

So a log file created on 15 May 2009 at 13:48 would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.1348_tar.gz
```

That same file year later would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.0000_tar.gz
```

If an error occurs with the SCP command, the error and the error code are displayed.

You can also use the help option in the command string, for example:

help utils logs scp

Examples

```
admin:utils logs scp testuser testpass scpserver
```

```
Logs (logFiles_SEP0019AA043ABF_2008.05.15.1348_tar.gz) sent successfully
```

Related Commands

Command	Description
utils logs abort	Aborts the last generated log files.
utils logs generate audio	Generates audio log files.
utils logs ftp	Generates log files to an FTP server.
utils logs sftp	Generates log files to an SFTP server.
utils logs status	Displays the status of the last generated log files.

utils logs sftp

utils logs sftp [*username password ip-or-hostname*]

Syntax Description

<i>username</i>	Required. Name of the SFTP account.
<i>password</i>	Password of the SFTP account.
<i>ip-or-hostname</i>	Required. Destination as a hostname or dotted IP address.
details	Optional. Displays log transfer details.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.0	This command was introduced.
1.6.0	This command was modified with the help option.
IX 8.0.2.2	This command changed from 'utils logs generate sftp' to 'utils logs sftp' in IX 8.0.2.2.

Usage Guidelines

Use this command to SFTP the generated log files to an external server. To transfer the log files to an anonymous server with no password, use quotation marks for the password, for example:

```
utils logs sftp anonymous " " sftpserver
```

The filename of the log sent to the SFTP server is based on the Cisco TelePresence System (CTS) hostname and the time the log file was created. The format is as follows:

```
logFiles_SEPXXXXXXXXXXXX_YYYY.MM.DD.HHmm_tar.gz
```

Format	Description
XXXXXXXXXXXX	MAC address.
YYYY	Year log file was created.
MM	Month log file was created.
DD	Day log file was created.
HHmm	Hour and minute log file was created in 24-hour format. For files older than one year, the HHmm field will be 0000.

So a log file created on 15 May 2009 at 13:48 would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.1348_tar.gz
```

That same file year later would be:

```
logFiles_SEP0019AA043ABF_2009.05.15.0000_tar.gz
```

If an error occurs with the SFTP command, the error and the error code are displayed.

You can also use the help option in the command string, for example:

help utils logs sftp

Examples

```
admin:utils logs sftp testuser testpass sftpserver
```

```
Logs (logFiles_SEP0019AA043ABF_2008.05.15.1348_tar.gz) sent successfully
```

Related Commands

Command	Description
utils logs abort	Aborts the last generated log files.
utils logs generate audio	Generates audio log files.
utils logs ftp	Generates log files to an FTP server.
utils logs scp	Generates log files to an SCP server.
utils logs status	Displays the status of the last generated log files.

utils logs status

utils logs status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.

Usage Guidelines Use this command to display the status of the last generated log files.

Examples

```
admin:utils logs status
```

```
Date           : Apr 28 00:39
Size           : 877020 bytes
Trouble Reason : Recording
```

Related Commands	Command	Description
	utils logs abort	Aborts the last generated log files.
	utils logs ftp	Generates log files to an FTP server.
	utils logs scp	Generates log files to an SCP server.
	utils logs sftp	Generates log files to an SFTP server.
	utils logs generate audio	Generates log files.

utils micgain set

utils micgain set {0-9}

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.
	IX 9.1.2	Command range modified from {3-9} to {0-9}.

Usage Guidelines Use this command to set the microphone gain value to the system. The valid values are from 0 to 9.

Examples

```
admin: utils micgain set 5

Audio file updated
INSTRUCTIONS:
  1.Need to restart Calling_Services to apply changes
  Enter "yes" to restart or any other key to abort
continue: yes
Restart will take minimum of 3 minutes...
Calling_Services Restarting...
done
```

utils micgain show

`utils micgain show`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.2.1	This command was introduced.

Usage Guidelines Use this command to display the microphone gain value on the system.

Examples

```
admin: utils micgain show
Mic Gain Value is not available | Current Mic Gain Value is 5
```

utils network capture

```
utils network capture [dest ip-address-or-hostname]
[host [ ip | arp | rarp | tcp | udp | all]://ip-address-or-hostname] [page][numeric][hex][file][count
number][size number][port number] [src ip-address-or-hostname]
```

Syntax Description

count <i>number</i>	Optional. Number count of packets to capture. Maximum count is 1000 for file, 10000 for screen.
dest <i>ip-address-or-hostname</i>	Optional. Source address of the packet as a dotted IP or hostname.
file	Optional. Sends capture output to a file (netCapture).
hex	Optional. Shows output in hex and ascii.
host <i>protocol://ip-address-or-hostname</i>	Optional. The all keyword specifies all protocols. <i>ip-address-or-hostname</i> is the host address of the packet and can be a dotted IP or hostname. The :// is required between the protocol and IP address or host name.
numeric	Optional. Show hosts as dotted IP addresses.
page	Optional. Pauses output.
port <i>number</i>	Optional. Port number of the packet (either src or dest).
size <i>number</i>	Optional. Number of bytes of the packet to capture. Maximum size is 1024.
src <i>ip-address-or-hostname</i>	Optional. Source address of the packet as a dotted IP or hostname.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.
1.9.0	<ul style="list-style-type: none"> The all argument was removed for the size keyword. Requirement added to put a colon and two slashes (://) between the host protocol and IP address.

Usage Guidelines

Use this command to capture network packets on the Ethernet interface. The packets can be displayed on the screen or saved to a file.

If the **file** keyword is used, the capture file is saved in the logs area under cli/capture. Use the [file list log](#) command to verify the file and the [file get log](#) command to retrieve the file(s). The maximum count is 1000 for file, 10000 for screen.



Note

Line wrapping may occur. When using page or file options, the complete capture of all requested packets must occur before the command will complete.

Examples

```
admin:utils network capture count 2 hex numeric
```

```
Executing command with options:
```

```
size=128 count=2 interface=eth0.300
```

```
src= dest= port=
```

```
proto= ip=
```

```
hex=enabled
```

```
12:46:46.274351 IP 74.125.67.100.22 > 74.125.67.105.3471: P 3514397747:3514398051(304) ack
2945359724 win 2308
```

```
0x0000: 4510 0164 ce4a 4000 4006 9bc7 0a20 318d E..d.J@.@.....1.
```

```
0x0010: ab47 e87d 0016 0d8f d179 7433 af8e 9f6c .G.).....yt3...l
```

```
0x0020: 8018 0904 c513 0000 0101 080a 291f 26ee .....))...)
```

```
0x0030: 298d ce2e 337f b6c7 e4d2 0ecd 9d5d ae0d )...3.....]..
```

```
0x0040: 58e0 dd31 3530 72ed ee54 ed36 62fd 5b92 X..150r..T.6b.[.
```

```
0x0050: c280 6c4b 970f 9ece 0cb2 88f5 6bcf 8d30 ..lK.....k..0
```

```
0x0060: 97ee b30e 2482 9199 da8b 9c63 27d4 2c5f ....$......c.,_
```

```
0x0070: e399 ..
```

```
12:46:46.275450 IP 74.125.67.105.3471 > 74.125.67.100.22: . ack 304 win 898
```

```
0x0000: 4500 0034 22c2 4000 3506 5390 ab47 e87d E..4".@.5.S..G.)
```

```
0x0010: 0a20 318d 0d8f 0016 af8e 9f6c d179 7563 ..1.....l.yuc
```

```
0x0020: 8010 0382 b787 0000 0101 080a 298d cf29 .....))..)
```

```
0x0030: 291f 26ee )...
```

Related Commands

Command	Description
utils network sip	Tests SIP connectivity to a remote destination.
utils network tcp	Tests TCP connectivity to a remote destination.
file get log scp	SCP the log file(s) to an external server.
file get log sftp	SFTP the log file(s) to an external server.
file list log	FTP the log file(s) to an external server.

utils network host

`utils network host {name [server]}`

Syntax Description

<i>name</i>	Required. Name of the host or address to resolve.
<i>server</i>	Optional. Name of an alternate name server to use.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.

Usage Guidelines

Use this command to resolve a hostname to an address, or an address to a hostname.

Examples

```
admin:utils network host cisco.com
```

```
Local Resolution:
Nothing found
```

```
External Resolution:
cisco.com resolves to 192.0.2.0
```

Related Commands

Command	Description
utils network mtr	Pings all nodes to a remote destination.
utils network ping	Sends one or more ping packets to a remote destination.
utils network tracert	Traces an IP packets to a remote destination.

utils network mtr

utils network mtr {*dest* [*count*] [*tos*] [*options*]}

Syntax Description

<i>dest</i>	Required. Dotted IP address or host name.
<i>count</i>	Optional. Defines how many pings the system will send. Default is 43200 (12 hours)
<i>tos</i>	Optional. Value for the TOS field. The TOS field can have a value between 0 and 255. Default is 0.
<i>options</i>	Optional. Display the hostname as a number.



Note

All times are in milliseconds

Command Default

count—Default is 43200 (12 hours).

tos—The TOS field can have a value between 0 and 255. Default is 0.

Command History

Release	Modifications
1.2	This command was introduced.

Usage Guidelines

Use this command to ping all nodes to a remote destination.

Examples

```
admin:utils network mtr 192.0.2.0 12
```

Related Commands

Command	Description
utils network host	Resolves a hostname to an address, or an address to a hostname.
utils network ping	Sends one or more ping packets to a remote destination.
utils network tracert	Traces an IP packets to a remote destination.

utils network ping

utils network ping *dest* [*count*]

Syntax Description

<i>dest</i>	Required. Dotted IP address or host name.
<i>count</i>	Optional. Count value. Default is 2.

Command Default

count—Default is 2.

Command History

Release	Modifications
1.2	This command was introduced.
1.6.0	This command was modified with updated syntax. The help option was also added.

Usage Guidelines

Use this command to send one or more ping packets to a remote destination. The ping command should be used to test network functionality.



Note

It is not intended as a way to accurately measure network latency. The first ping may be delayed due to command initialization.

You can also use **help** in the command string:

help utils network ping

Examples

```
admin:utils network ping www.cisco.com count 5
```

```
PING www.cisco.com (199.1xx.2xx.25) from 1xx.22.119.166 : 56(84) bytes of data.
64 bytes from 1xx.133.2xx.25: icmp_seq=1 ttl=246 time=0.837 ms
64 bytes from 1xx.133.2xx.25: icmp_seq=2 ttl=246 time=0.962 ms
64 bytes from 1xx.133.2xx.25: icmp_seq=3 ttl=246 time=1.04 ms
64 bytes from 1xx.133.2xx.25: icmp_seq=4 ttl=246 time=0.635 ms
64 bytes from 1xx.133.2xx.25: icmp_seq=5 ttl=246 time=0.666 ms
```

Related Commands

Command	Description
utils network host	Resolves a hostname to an address, or an address to a hostname.
utils network mtr	Pings all nodes to a remote destination.
utils network tracert	Traces an IP packets to a remote destination.

utils network sip

utils network sip {*word* | *A.B.C.D* **rport** *word*} [**wait** *word*][**laddr** *word* | *A.B.C.D*] **l port** *word*][**thex**][**rhex**][**detail**][**data** *string*]

Syntax Description

word <i>A.B.C.D</i>	Required. Destination as a dotted IP or hostname.
rport <i>word</i>	Required. Remote port number.
wait <i>word</i>	Optional. Time to wait for full response in seconds
laddr <i>word</i> or <i>A.B.C.D</i>	Optional. Local address to use as a dotted IP or hostname
lport <i>word</i>	Optional. Local port number.
thex	Optional. Transmit buffer in hex. Must be in quotes. \r and \n are supported for CR and NL.
rhex	Optional. Receive buffer in hex.
detail	Optional. Show details of operation. In the detail view, a local port of 0 means the CTS will choose the local port to use. The local and remote ports must be decimal values. The remote port default is 5060, but can be overridden.
data <i>string</i>	Optional. Transmit this data.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.

Usage Guidelines

Use this command to test connectivity to a remote destination using the SIP protocol. You can also enter **help** in the command string:

```
help utils network sip
```

The following short form option names may be used:

- rp for rport
- wa for wait
- la for laddr
- lp for lport
- th for thex
- rh for rhex
- de for detail
- da for data

The SIP response (503 Service Unavailable) is expected and acceptable.

Examples

```
admin:utils network sip test-cucm
```

```
SIP protocol response received
```

Or

```
admin:utils network sip tsbu-de-cm2p
```

```
SIP protocol response received
admin:utils network sip tsbu-de-cm2p det
using local host: 74.125.19.106:0
using remote host: 209.131.36.158:80
socket created OK
socket bind OK to 74.125.19.106:0
connected to 209.131.36.158:80
received 323 bytes
SIP Version = 2.0
SIP Response = 503
SIP Method = Service Unavailable
SIP protocol response received
```

Related Commands

Command	Description
utils network tcp	Tests TCP connectivity to a remote destination.

utils network tcp

utils network tcp {*word* | *A.B.C.D* **rport** *word*} [**wait** *word*][**laddr** *word* | *A.B.C.D*] **l port** *word*][**thex**][**rhex**][**detail**][**data** *string*]

Syntax Description		
<i>word</i> <i>A.B.C.D</i>	Required.	Destination as a dotted IP or hostname.
rport <i>word</i>	Required.	Remote port number.
wait <i>word</i>	Optional.	Time to wait for full response in seconds
laddr <i>word</i> or <i>A.B.C.D</i>	Optional.	Local address to use as a dotted IP or hostname
lport <i>word</i>	Optional.	Local port number.
thex	Optional.	Transmit buffer in hex. Must be in quotes. \r and \n are supported for CR and NL.
rhex	Optional.	Receive buffer in hex.
detail	Optional.	Show details of operation. In the detail view, a local port of 0 means the CTS will choose the local port to use. The local and remote ports must be decimal values.
data <i>string</i>	Optional.	Transmit this data.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.6.0	This command was introduced.

Usage Guidelines Use this command to test connectivity to a remote destination using the TCP protocol. You can also enter **help** in the command string:

```
help utils network tcp
```

The following short form option names may be used:

- rp for rport
- wa for wait
- la for laddr
- lp for lport
- th for thex
- rh for rhex
- de for detail
- da for data

TCP servers may behave differently depending on data received once the connection is open. For example, an http server may send no data unless it received a GET and new line character. You should have some knowledge of the protocols that use well known ports and what data those protocol expects.

Examples

```
admin:utils network tcp test-srv1 rp 80 da "GET / HTTP\n\r\n\r"
```

```
TCP connection passed
```

Or

```
admin:utils network tcp test-srv1 rp 80 th rh da "GET / HTTP\n\r\n\r"
```

```
Transmit buffer:
```

```
47 45 54 20 2f 20 48 54 54 50 0a 0d 0a 0d GET / HTTP...
```

```
Receive buffer:
```

```
48 54 54 50 2f 31 2e 31 20 32 30 30 20 4f 4b 0d HTTP/1.1 200 OK.
```

```
0a 44 61 74 65 3a 20 46 72 69 2c 20 32 34 20 4a .Date: Fri, 24 J
```

```
75 6c 20 32 30 30 39 20 30 30 3a 34 32 3a 32 35 ul 2009 00:42:25
```

```
...
```

```
6f 63 75 6d 65 6e 74 20 74 6f 20 68 61 6e 64 6c ocument to handl
```

```
65 20 74 68 65 20 72 65 71 75 65 73 74 e the request
```

```
TCP connection passed
```

Or

```
admin:utils network tcp test-srv1 rp 80 da "GET / HTTP\n\r\n\r" det
```

```
using local host: 74.125.19.106:0
```

```
using remote host: 209.131.36.158:80
```

```
socket created OK
```

```
socket bind OK to 74.125.19.106:0
```

```
connected to 209.131.36.158:80
```

```
sent 14 bytes
```

```
received 1024 bytes
```

```
received 289 bytes
```

```
remote end closed the connection
```

```
total received 1313 bytes
```

```
socket closed OK
```

Related Commands

Command	Description
utils network sip	Tests SIP connectivity to a remote detination.
utils network tcp	Tests connectivity to a remote detination using the TCP protocol

utils network tracert

utils network tracert *{dest}*

Syntax Description	<i>dest</i>	Required. Dotted IP address or host name.
---------------------------	-------------	---

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines	Use this command to trace an IP packets to a remote destination.
-------------------------	--

Examples	<code>admin:utils network tracert 192.0.2.0</code>
-----------------	--

Related Commands	Command	Description
	utils network host	Resolves a hostname to an address, or an address to a hostname.
	utils network mtr	Pings all nodes to a remote destination.
	utils network ping	Sends one or more ping packets to a remote destination.

utils ntp config

utils ntp config

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to show the current configuration of the Network Time Protocol (NTP) client and server on this machine.

Examples

```
admin:utils ntp config

servers (this machine is an NTP client):
  171.58.10.150
  171.58.10.80
clients (this machine is an NTP server):
  192.168.0.2
  192.168.1.2
  192.168.2.4
```

Related Commands	Command	Description
	utils ntp server add	Adds a new NTP server.
	utils ntp server delete	Deletes an existing NTP server.
	utils ntp status	Shows the current status of NTP client in the appliance.

utils ntp server add

`utils ntp server add` [*address*]

Syntax Description	<i>address</i>	Optional. Dotted IP address or host name.
---------------------------	----------------	---

Command Default	No default behavior or values.	
------------------------	--------------------------------	--

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines	Use this command to add a new Network Time Protocol (NTP) server. This command is available only if you are not using Cisco Unified Communications Manager (Cisco Unified CM) in non-Cisco Unified CM mode.
-------------------------	---

Examples	<code>admin:utils ntp server add 192.0.2.0</code>
-----------------	---

Related Commands	Command	Description
	utils ntp config	Shows the current configuration of the NTP client and server on this machine.
	utils ntp server delete	Deletes a existing NTP server.
	utils ntp status	Shows the current status of NTP client in the appliance.

utils ntp server delete

utils ntp server delete [*address*]

Syntax Description	<i>address</i>	Optional. Dotted IP address or host name.
Command Default	No default behavior or values.	
Command History	Release	Modifications
	1.2	This command was introduced.
Usage Guidelines	Use this command to delete an existing Network Time Protocol (NTP) server. This command is available only if you are not using Cisco Unified Communications Manager (Cisco Unified CM).	
Examples	admin:utils ntp server delete 192.0.2.0	
Related Commands	Command	Description
	utils ntp config	Shows the current configuration of the NTP client and server on this machine.
	utils ntp server add	Adds a new NTP server.
	utils ntp status	Shows the current status of NTP client in the appliance.

utils ntp status

utils ntp status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.

Usage Guidelines Use this command to show the current status of the Network Time Protocol (NTP) client in the appliance.

Examples The following example show an NTP client out of sync:

```
admin:utils ntp status
```

```
ntpd (pid 6492) is running...
```

```

      remote          refid          st t when poll reach  delay  offset  jitter
=====
100.100.1.0          70.70.03.84          5 l  13   64  377   0.000   0.000   0.008
*100.00.10.100      60.104.193.12        2 u  347  512  377   1.525  -0.713   0.266
+100.00.10.80       100.204.05.100       2 u  256  512  377   2.164  -0.358   0.169

```

```
Current time in UTC is : Tue Apr 28 00:53:45 2009
```

```
Current time in GMT is : Tue Apr 28 00:53:45 2009
```

Related Commands	Command	Description
	utils ntp config	Shows the current configuration of the NTP client and server on this machine.
	utils ntp server add	Adds a new NTP server.
	utils ntp server delete	Deletes an existing NTP server.

utils remote_account create

utils remote_account create {*name* *life*}

Syntax Description

<i>name</i>	Required. Defines the remote support account name. The account name must be at least six characters long and random.
<i>life</i>	Required. Defines the account life in number of days. Available values are 1 through 30.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.4.0	This command was introduced.

Usage Guidelines

Use this command to create a remote support account.

Examples

```
admin:utils remote_account create remacct 10
```

```
Remote Support
Status          : enabled
Decode Version  : 1
Account         : remacct
Passphrase      : 26NWA9SG4Q
Expiry          : 3-24-2009:13:00:00 (MM-DD-YYYY:Hr:Min:Sec)
```

Related Commands

Command	Description
utils remote_account disable	Disables the remote support account.
utils remote_account enable	Enables the remote support account.
utils remote_account status	Shows the current status of the remote support account.

utils remote_account disable

`utils remote_account disable`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.

Usage Guidelines Use this command to disable the remote support account.

Examples

```
admin:utils remote_account disable

Remote Support is now disabled
```

Related Commands	Command	Description
	utils remote_account create	Creates the remote support account.
	utils remote_account enable	Enables the remote support account.
	utils remote_account status	Shows the current status of the remote support account.

utils remote_account enable

`utils remote_account enable`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.

Usage Guidelines Use this command to enable the remote support account.

Examples

```
admin:utils remote_account enable

Remote Support is now enabled
```

Related Commands	Command	Description
	utils remote_account create	Creates the remote support account
	utils remote_account disable	Disables the remote support account
	utils remote_account status	Shows the current status of the remote support account

utils remote_account status

utils remote_account status

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.4.0	This command was introduced.

Usage Guidelines Use this command to show the current status of the remote support account.

Examples

```
admin:utils remote_account status
```

```
Remote Support
Status          : enabled
Decode Version  : 1
Account         : remacct
Passphrase      : LSSTBD6RYK
Expiry          : 3-24-2009:13:00:00 (MM-DD-YYYY:Hr:Min:Sec)
```

Related Commands	Command	Description
	utils remote_account create	Creates the remote support account.
	utils remote_account disable	Disables the remote support account.
	utils remote_account enable	Enables the remote support account.

utils security clear

utils security clear

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.7.0	This command was introduced.

Usage Guidelines Use this command to clear all service statuses.

Examples

```
admin:utils security clear

removing security related configuration
restarting security service...
```

utils service list

utils service list [*service*]

Syntax Description

<i>service</i>	Optional. Selects a specific service. The following services may be separately listed: 8021x Calling_Services Cisco_Log DHCP_Srvr Discovery_Protocol HTTP_Srvr MSI_Services NTP SNMP_Srvr Security_Srvr System_Log Telephone_Srvr TouchCtrl_Srvr
----------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
TX6.0 and CTS 1.10	The 8021x, MSI_Services and TouchCtrl_Srvr services were added.

Usage Guidelines

Use this command to retrieve all service statuses. The following are possible service states:

- [Running]
- [Dead]
- [Restarting]
- [Stopped]
- [Starting]
- [Stopping]
- [Unknown \$rc]

Examples

```
admin:utils service list
```

```
Service           State
-----
System_Log        [Running]
Cisco_Log         [Running]
```

```
DHCP_Srvr           [Running]
NTP                 [Running]
SNMP_Srvr           [Running]
Discovery_Protocol [Running]
Calling_Services    [Starting]
HTTP_Srvr           [Dead]
TFTP_Srvr           [Running]
Security_Srvr       [Running]
Telephone_Srvr      [Running]
```

Related Commands	Command	Description
	utils service restart	Restarts a service.
	utils service start	Starts a service.
	utils service stop	Stops a service.

utils service restart

`utils service restart {service}`

Syntax Description

service

Required. Selects the service to restart.
The following services may be restarted:

8021x
Calling_Services
Cisco_Log
DHCP_Srvr
Discovery_Protocol
HTTP_Srvr
MSI_Services
NTP
SNMP_Srvr
Security_Srvr
System_Log
Telephone_Srvr
TouchCtrl_Srvr

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
TX6.0 and CTS 1.10	The 8021x, MSI_Services and TouchCtrl_Srvr services were added.

Usage Guidelines

Use this command to restart a service.

Examples

```
admin:utils service restart System_Log
System_Log  Restarting...done
```

Related Commands

Command	Description
utils service list	Retrieves all service statuses.
utils service start	Starts a service.
utils service stop	Stops a service.

utils service start

utils service start {*service*}

Syntax Description	<i>service</i>	Required. Indicates the service to start. The following services can be started: <i>Calling_Services</i> <i>HTTP_Srvr</i> <i>MSI_Services</i> <i>Security_Srvr</i> <i>Telephone_Srvr</i> <i>TouchCtrl_Srvr</i>
---------------------------	----------------	---

Command Default	No default behavior or values.
------------------------	--------------------------------

Command History	Release	Modifications
	1.2	This command was introduced.
	TX 6.0 and CTS 1.10	The <i>Cisco_Log</i> , <i>DHCP_Srvr</i> , and <i>System_Log</i> services were removed. The <i>MSI_Services</i> and <i>TouchCtrl_Srvr</i> services were added

Usage Guidelines	Use this command to start a service.
-------------------------	--------------------------------------

Examples	admin: utils service start System_Log System_Log Starting...done
-----------------	--

Related Commands	Command	Description
	utils service list	Retrieves all service statuses.
	utils service restart	Restarts a service.
	utils service stop	Stops a service.

utils service stop

utils service stop {*service*}

Syntax Description

<i>service</i>	Required. Indicates the service to stop. The following services can be started: <i>Calling_Services</i> <i>HTTP_Srvr</i> <i>MSI_Services</i> <i>Security_Srvr</i> <i>Telephone_Srvr</i> <i>TouchCtrl_Srvr</i>
----------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
TX 6.0 and CTS 1.10	The <i>Cisco_Log</i> , <i>DHCP_Srvr</i> , and <i>System_Log</i> services were removed. The <i>MSI_Services</i> and <i>TouchCtrl_Srvr</i> services were added

Usage Guidelines

Use this command to stop a service.

Examples

Stop the Call Control Agent (CCA) by entering the following command:

```
admin: utils service stop Calling_Services
```

Related Commands

Command	Description
utils service list	Retrieves all service statuses.
utils service restart	Restarts a service.
utils service start	Starts a service.

utils snmp reset

utils snmp reset

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to reset SNMP objects to their default values. Current SNMP objects values will not be affected. The default values will be used next time when SNMPD is restarted.

Examples

```
admin:utils snmp reset
```

Reset Snmp object to default next time when it is restarted.

Related Commands	Command	Description
	utils snmp save	Saves a set of current SNMP object values.

utils snmp save

utils snmp save

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.5	This command was introduced.

Usage Guidelines Use this command to save a set of current SNMP object values. The saved value will replace the object default value when SNMP is restarted.

Examples

```
admin:utils snmp save
```

Saving a set of current Snmp object values.

Related Commands	Command	Description
	utils snmp reset	Resets SNMP objects to their default values.

utils system

`utils system {left | right}`

Syntax Description

left	This command allow access to the left unit in the system, if present.
right	This command allow access to the right unit in the system, if present.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to gain access to the left or right unit in the system, if present.

Examples

```
admin:utils system left
```

```
The unit is not present
```

Related Commands

Command	Description
utils system	Grants access the presentation device in the system, if present.
presentation	

utils system factory init

`utils system factory init [nologs]`

Syntax Description

<code>nologs</code>	Optional. Deletes all logs on the CTS. Removes all non-volatile logs. This will reduce the ability to diagnose issues.
---------------------	--

Command Default

No default behavior or values.

Command History

Release	Modifications
1.6.0	This command was introduced.
IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines

Use this command to set the system to the factory initialized configuration while leaving the system on its current boot slot. You can also enter `help` in the command string:

help `utils system factory init`

Examples

```
admin:utils system factory init
```

```
Are you sure you want to reset the system back to the factory configuration ?
This will cause a system restart !
Enter "yes" to reset to factory configuration and restart or any other key to abort
continue: yes
The factory initialization is now in progress - this will take a few moments...
The system is going down for restart NOW!
```

Related Commands

Command	Description
utils system factory reset	Sets the system to the factory default setting including setting the boot slot back to the factory slot.

utils system factory reset

utils system factory reset [nologs]

Syntax Description	nologs	Optional. Deletes all logs on the CTS. Removes all non-volatile logs. This will reduce the ability to diagnose issues.
---------------------------	---------------	--

Command Default No default behavior or values.

Command History	Release	Modifications
	1.6.0	This command was introduced.

Usage Guidelines Use this command to set the system to the factory default setting including setting the boot slot back to the factory slot. You can also enter **help** in the command string:

help utils system factory reset

Examples

```
admin:utils system factory reset
```

```
Are you sure you want to reset the system back to the factory defaults ?
This will cause a system restart !
Enter "yes" to reset to factory defaults and restart or any other key to abort
continue: yes
The factory reset is now in progress - this will take a few moments...
The system is going down for restart NOW!
```

Related Commands	Command	Description
	utils system factory init	Sets the system to the factory initialized configuration while leaving the system on its current boot slot.
	utils system factory reset	Sets the system to the factory default setting including setting the boot slot back to the factory slot.

utils system presentation

utils system presentation

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	1.2	This command was introduced.
	IX 8.0	Deprecated. This command does not exist in IX 8.0.

Usage Guidelines Use this command to access the presentation device in the system, if present.

Examples

```
admin:utils system presentation

The unit is not present
```

Related Commands	Command	Description
	utils system factory reset	Resets the system and run with the factory default configuration.
	utils system restart	Restarts the system.
	utils system switch-version	Switches to the other installed load on the system.

utils system restart

`utils system restart [force | wait | remote]`

Syntax Description

force	Optional. Forces a system restart.
wait	Optional. If in a call, schedules the system restart at the end of the call.
remote	Optional. Forces a remote system restart.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
1.7.0	The remote keyword was added.

Usage Guidelines

Use this command to restart the system. If the system is in a call, the restart will occur at the end of the call. This can be overridden using the force option to restart immediately.



Note If any other key is pressed the restart procedure will be aborted with the following message:

```
The System Restart has been aborted
```

Examples

```
admin:utils system restart
```

```
Are you sure you want to restart the system ?
Enter "yes" to restart or any other key to abort
continue: yes
```

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

Related Commands

Command	Description
utils system presentation	Allows access to the left unit in the system, if present.
utils system restart	Resets the system and run with the factory default configuration.
utils system switch-version	Switches to the other installed load on the system.

utils system switch-version

utils system switch-version [force | factory [1 | 2]]

Syntax Description

force	Optional. Forces a switch.
factory	Optional. Switches to the factory image.
1	Optional. Switches to slot 1 image from factory image.
2	Optional. Switches to slot 2 image from factory image.

Command Default

No default behavior or values.

Command History

Release	Modifications
1.2	This command was introduced.
1.4.0	Usage Guidelines were revised.

Usage Guidelines

Use this command to switch to the other installed load on the system. If you do not configure an optional value, the system will toggle between slots 1 and 2. If the system is currently in a call, the version change will not be allowed. To override, use the **force** option to switch immediately.



Note If any other key is pressed the switch-version procedure will be aborted with a message:

```
The system switch has been aborted.
```

This command is available only if you are not using Cisco Unified Communications Manager (Cisco Unified CM).

Examples

```
admin:utils system switch-version
```

```
Currently running the slot 1
Target is slot 2 image
```

```
Are you sure you want to switch the system, this will cause a system restart ?
Enter "yes" to switch and restart or any other key to abort
continue: yes
```

```
Setting to slot 2 image ...
preparing, please wait...
The system is going down for restart NOW!
```

Related Commands

Command	Description
<code>utils system presentation</code>	Allows access to the left unit in the system, if present.
<code>utils system restart</code>	Resets the system and run with the factory default configuration.
<code>utils system restart</code>	Restarts the system.

utils Touch-switch configure-new-switches

utils Touch-switch configure-new-switches

Syntax Description This command does not require any parameters.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines This command triggers the configuration of any new, unconfigured Touch-switches.

Examples `admin:utils Touch-switch configure-new-switches`

```
Configuration complete.  
Cleaning up dhcp-leases  
Stopping dhcp ... DONE  
Deleting dhcpd.leases file ... DONE  
Restarting dhcp ... DONE
```

utils upgrade peripherals

utils upgrade peripherals [**nowarn**]

Syntax Description	nowarn	Optional. Initiates a peripheral upgrade immediately without notifying the user.
---------------------------	---------------	--

Command Default No default behavior or values.

Command History	Release	Modifications
	1.6.0	This command was introduced.
	IX 8.0	Deprecated. This command doesn't exist in IX 8.0.

Usage Guidelines Use this command to initiate an immediate peripheral upgrade.
To determine the peripherals that have been set to forced upgrade, enter [show upgrade detail](#).



Note

A peripheral marked as forced will be upgraded upon system restart.

Examples

```
admin:utils upgrade peripherals

checking...done
No system restart is required after the peripheral upgrade
It will be required to stop calling services
Enter "yes" to continue or any other key to abort
continue: yes
preparing...done
upgrading the peripherals
please check the phone and display for progress...
upgrade complete
restarting calling services, please wait...done
```

Related Commands

Command	Description
show upgrade detail	Shows the status of an upgrade.
utils system restart	Resets the system and run with the factory default configuration.
set upgrade audio	Forces an upgrade of the audio peripheral
set upgrade auxiliary-ctrl	Forces an upgrade of the auxiliary control peripheral.
set upgrade camera	Forces an upgrade of the camera peripheral.
set upgrade display	Forces an upgrade of the display peripheral.
set upgrade firmware	Forces an upgrade of the firmware peripheral.

Command	Description
<code>set upgrade graphic-driver</code>	Forces an upgrade of the graphic driver.
<code>set upgrade graphic-icons</code>	Forces an upgrade of the graphic icons.

utils upgrade recheck-peripherals

`utils upgrade recheck-peripherals`

Syntax Description This command has no arguments or keywords.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.0.2.2	This command was introduced.

Usage Guidelines This will force a recheck of peripheral firmware versions on the next reboot.
If a peripheral has an old firmware version, then an upgrade will be performed.

Examples `admin:utils upgrade recheck-peripherals`

Related Commands	Command	Description
	show peripherals version	Provides detailed version information about active peripheral devices

utils upgrade Touch-switch ftp

utils upgrade Touch-switch ftp

Syntax Description	user	Username (ftp) to retrieve switch software from remote system.
	passwd	Password (ftp) to retrieve switch software from remote system.
	host	Hostname or IP address of remote system.
	file	Path/filename of switch software on remote system.
	md5sum	Md5sum of switch software.
	switch	Optional. Upgrade specific switch (front/left/right).
	detail	Optional. Display transfer status.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines Use these commands to upgrade the software on the Touch-switches.

Examples

```
admin: utils upgrade Touch-switch ftp userA passwdA serverA
dirA/c2960c405-universalk9-mz.001-1.SE1.bin 0123456789abcdef0123456789abcdef
```

```
Current active image:
  front: c2960c405-universalk9-mz.000-0.EX0.bin
  left:  c2960c405-universalk9-mz.000-0.EX0.bin
  right: c2960c405-universalk9-mz.000-0.EX0.bin
Upgrade process may take 10-20 mins.
Do you want to continue [yes/no]?yes
```

```
Retrieve c2960c405-universalk9-mz.001-1.SE1.bin ...
download rate limited to 500K bytes per second
File (c2960c405-universalk9-mz.001-1.SE1.bin) retrieved successfully
```

```
Upgrade switches ...
front: downloading c2960c405-universalk9-mz.001-1.SE1.bin
right: downloading c2960c405-universalk9-mz.001-1.SE1.bin
left:  downloading c2960c405-universalk9-mz.001-1.SE1.bin
front: install complete
front: wait for other switch(es)
left: install complete
left: wait for other switch(es)
right: install complete
right: rebooting in 1 min
front: rebooting in 1 min
left: rebooting in 1 min
right: Done.
front: Done.
```

```
left: Done.  
admin:
```

utils upgrade Touch-switch http

utils upgrade Touch-switch http

Syntax Description	host	Hostname or IP address of remote system.
	file	Path/filename of switch software on remote system.
	md5sum	Md5sum of switch software.
	switch	Optional. Upgrade specific switch (front/left/right).
	detail	Optional. Display transfer status.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines Use these commands to upgrade the software on the Touch-switches.

Examples

```
admin: utils upgrade Touch-switch http serverA dirA/c2960c405-universalk9-mz.001-1.SE1.bin
0123456789abcdef0123456789abcdef
```

```
Current active image:
  front: c2960c405-universalk9-mz.000-0.EX0.bin
  left:  c2960c405-universalk9-mz.000-0.EX0.bin
  right: c2960c405-universalk9-mz.000-0.EX0.bin
Upgrade process may take 10-20 mins.
Do you want to continue [yes/no]?yes

Retrieve c2960c405-universalk9-mz.001-1.SE1.bin ...
download rate limited to 500K bytes per second
File (c2960c405-universalk9-mz.001-1.SE1.bin) retrieved successfully

Upgrade switches ...
front: downloading c2960c405-universalk9-mz.001-1.SE1.bin
right: downloading c2960c405-universalk9-mz.001-1.SE1.bin
left:  downloading c2960c405-universalk9-mz.001-1.SE1.bin
front: install complete
front: wait for other switch(es)
left:  install complete
left:  wait for other switch(es)
right: install complete
right: rebooting in 1 min
front: rebooting in 1 min
left:  rebooting in 1 min
right: Done.
front: Done.
left:  Done.
admin:
```

utils upgrade Touch-switch scp

utils upgrade Touch-switch scp

Syntax Description

user	Username (scp) to retrieve switch software from remote system.
passwd	Password (scp) to retrieve switch software from remote system.
host	Hostname or IP address of remote system.
file	Path/filename of switch software on remote system.
md5sum	Md5sum of switch software.
switch	Optional. Upgrade specific switch (front/left/right).
detail	Optional. Display transfer status.

Command Default

No default behavior or values.

Command History

Release	Modifications
IX 8.1.0	This command was introduced.

Usage Guidelines

Use these commands to upgrade the software on the Touch-switches.

Examples

```
admin: utils upgrade Touch-switch scp userA passwdA serverA
dirA/c2960c405-universalk9-mz.001-1.SE1.bin 0123456789abcdef0123456789abcdef
```

Current active image:

```
front: c2960c405-universalk9-mz.000-0.EX0.bin
left: c2960c405-universalk9-mz.000-0.EX0.bin
right: c2960c405-universalk9-mz.000-0.EX0.bin
```

Upgrade process may take 10-20 mins.

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

```
Retrieve c2960c405-universalk9-mz.001-1.SE1.bin ...
download rate limited to 500K bytes per second
File (c2960c405-universalk9-mz.001-1.SE1.bin) retrieved successfully
```

Upgrade switches ...

```
front: downloading c2960c405-universalk9-mz.001-1.SE1.bin
right: downloading c2960c405-universalk9-mz.001-1.SE1.bin
left: downloading c2960c405-universalk9-mz.001-1.SE1.bin
```

```
front: install complete
front: wait for other switch(es)
left: install complete
left: wait for other switch(es)
```

```
right: install complete
right: rebooting in 1 min
front: rebooting in 1 min
left: rebooting in 1 min
```

```
right: Done.
front: Done.
```



```
left: Done.  
admin:
```

utils upgrade Touch-switch sftp

utils upgrade Touch-switch sftp

Syntax Description		
	user	Username (sftp) to retrieve switch software from remote system.
	passwd	Password (sftp) to retrieve switch software from remote system.
	host	Hostname or IP address of remote system.
	file	Path/filename of switch software on remote system.
	md5sum	Md5sum of switch software.
	switch	Optional. Upgrade specific switch (front/left/right).
	detail	Optional. Display transfer status.

Command Default No default behavior or values.

Command History	Release	Modifications
	IX 8.1.0	This command was introduced.

Usage Guidelines Use these commands to upgrade the software on the Touch-switches.

Examples

```
admin: utils upgrade Touch-switch sftp userA passwdA serverA
dirA/c2960c405-universalk9-mz.001-1.SE1.bin 0123456789abcdef0123456789abcdef
```

```
Current active image:
```

```
front: c2960c405-universalk9-mz.000-0.EX0.bin
left: c2960c405-universalk9-mz.000-0.EX0.bin
right: c2960c405-universalk9-mz.000-0.EX0.bin
```

```
Upgrade process may take 10-20 mins.
```

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

```
Retrieve c2960c405-universalk9-mz.001-1.SE1.bin ...
download rate limited to 500K bytes per second
File (c2960c405-universalk9-mz.001-1.SE1.bin) retrieved successfully
```

```
Upgrade switches ...
```

```
front: downloading c2960c405-universalk9-mz.001-1.SE1.bin
right: downloading c2960c405-universalk9-mz.001-1.SE1.bin
left: downloading c2960c405-universalk9-mz.001-1.SE1.bin
front: install complete
front: wait for other switch(es)
left: install complete
left: wait for other switch(es)
right: install complete
right: rebooting in 1 min
front: rebooting in 1 min
left: rebooting in 1 min
right: Done.
front: Done.
```

```
left: Done.  
admin:
```




Configuring Special Features

Revised: October 26, 2015

Contents

This chapter contains information about the following special Cisco TelePresence features that can be configured with command-line interface (CLI):

- [Troubleshooting Using the Camera Image Capture Tool, page 9-1](#)

Troubleshooting Using the Camera Image Capture Tool

This section describes the procedure for capturing a still image of the Cisco TelePresence System (CTS) camera room view for troubleshooting purposes:

- [Camera Image Capture Tool Overview, page 9-1](#)
- [How to Use the Camera Image Capture Tool, page 9-2](#)

Camera Image Capture Tool Overview

This troubleshooting feature allows you to create a still image of the meeting room environment exactly as seen from the CTS camera in loopback mode. This information in the form of a .bmp image file is then submitted with the system logs for use in installation verification, camera alignment, and further troubleshooting activities associated with a normal installation or a service request. When you initiate the tool using command-line interface (CLI), the system sends a confirmation pop-up in the SSH command window, which you can accept (allow capture) or decline (no capture will be made).



Note

Before running this tool to create still images from the CTS camera, it is required of the initiating party to acquire proper authorization from the customer and/or manager of the facility. A verbal authorization should concede to the creation of still images depicting the environment exactly as seen from the CTS camera to be provided in the system logs for use in installation verification, camera alignment, and further troubleshooting activities associated with a normal installation or a service request. These images may be provided to Cisco Systems Inc., for the same purpose, but would not otherwise be distributed for any reason or purpose and are protected between these parties by non disclosure.

Each capture request takes approximately 3 seconds and only one capture is allowed at a time. New video captures overwrite any earlier captures. If you request a capture while a prior request is already in progress, a message appears letting you know that a capture is already in progress. The entire capture process, including downloading to the logs, can take up to 6 seconds.

If one or more requests to get logs come into CTS while the logs are already being collected, subsequent requests will be queued and all requesters will get the capture.bmp files that they requested.



Tip

Avoid interrupting the troubleshooting session while the capture is in progress. If you do click away, the capture will proceed and will be stored. The completed capture is included in the log files that can later be downloaded.

Avoid troubleshooting while in a call.

How to Use the Camera Image Capture Tool

To turn on the camera image capture tool using CLI, follow these steps:

-
- Step 1** Initiate an SSH session.
 - Step 2** Stop the Call Control Agent (CCA) on the CTS by entering the following command:
admin: `utils service stop Calling_Services`
 - Step 3** Turn on camera loopback by entering the following command:
admin: `diag display loopback full enable`
 - Step 4** Initiate the screen capture tool by entering the following command:
admin: `diag display capture loopback`

The prompt and legal agreement pop-up appears, as shown in the following example:

```
Before running this tool to create still images from the CTS camera, it is required of the
initiating party to acquire proper authorization from the customer and/or manager of the
facility. A verbal authorization should concede to the creation of still images depicting
the environment exactly as seen from the CTS camera to be provided in the system logs for
use in installation verification, camera alignment, and further troubleshooting activities
inline with a normal installation or a service request. These images may be provided to
Cisco Systems Inc., for the same purpose, but would not otherwise be distributed for any
reason or purpose and are protected between these parties by non disclosure.
```

```
Have you read and agreed to the above agreement? [yes/no]
```

-
- Step 5** Select either **yes** or **no**. If you select **yes**, a .bmp will be generated and saved on your system (for example, `/var /log/cli/capture/screen-<hostname>.bmp`) where *hostname* is the codec hostname. Errors or successful captures are logged in syslog messages.
 - Step 6** Generate your log file by entering the following command:
admin `utils logs generate XXX`

For example:

```
admin:utils logs generate other

Generating log files... this may take a while
0% preparing to get logs
10% add system state
15% add application state
40% add application logs
60% add configuration files
65% add calendar files
70% add boot log files
75% add secondary logs
80% compress log files
100% get logs complete
```

Step 7 Download your log file by entering the following command:

```
admin utils logs scp | sftp | ftp
```

For example:

```
admin:utils logs scp root <password> <ip address> details
```

```
rate limited to 500K bytes per second
File (logFiles_SEP001DA238C993_2010.07.15.1631.tar.gz) sent successfully
```



Tip

Alternately, you can download your log files from the CTS administration interface by going to **Troubleshooting > Log Files > Log Files**. The capture.bmp (~6MB) will be removed from your system as soon as the system log capture has been created (even if the log capture file has not been gzipped or downloaded).



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