



## Cisco Unified SIP Proxy Module EXEC Commands

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- `culp`
- `shutdown graceful`
- `ip route`
- `show license smart agent-version`
- `show license smart udi`
- `show license smart summary`
- `show license smart status application culp`
- `show tcp connections`
- `license smart destinationAddr`
- `license smart httpProxyAddr`
- `license smart activate culp`
- `license smart register token_id`

# cusp

To enter Cisco Unified SIP Proxy EXEC mode, use the **cusp** command in module EXEC mode. To exit Cisco Unified SIP Proxy EXEC mode, use the **exit** command.

**cusp**

**Syntax Description** This command has no arguments or keywords.

**Command Default** None

**Command Modes** Module EXEC (>)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Examples** The following example accesses the Cisco Unified SIP Proxy module and enters Cisco Unified SIP Proxy EXEC mode:

```
Router# service-module integrated-service-engine 1/0 session
se-10-1-0-0> cusp
se-10-1-0-0(cusp)>
```

Related Commands	Command	Description
	<b>configure</b>	Enters Cisco Unified SIP Proxy configuration mode.
	<b>exit</b>	Exits out of a Cisco Unified SIP Proxy configuration or management mode and returns to the higher mode.

# shutdown graceful

To perform a graceful shutdown of the Cisco Unified SIP Proxy module, use the **shutdown graceful** command in module EXEC mode.

**shutdown graceful** [*timeout*]



## Note

This command is deprecated.

## Syntax Description

<i>timeout</i>	(Optional) Specifies the timeout value for the Cisco Unified SIP Proxy module. The valid range is 10 to 180 seconds. The default is 32 seconds.
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## Command Default

The default timeout value is 32 seconds.

## Command Modes

Module EXEC (>)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.
10.0	This command is deprecated.

## Usage Guidelines

The timeout value specifies how long the Cisco Unified SIP Proxy waits for pending tasks to complete before exiting.

## Examples

The following example executes a graceful shutdown of the Cisco Unified SIP Proxy module, specifying a timeout value of 120 seconds:

```
se-10-1-0-0# shutdown graceful 120
```

## Related Commands

Command	Description
<b>reload</b>	Restarts the Cisco Unified SIP Proxy system after the <b>shutdown</b> command has been used and activates the uploaded file information after the <b>restore</b> command has been used.

# ip route

To establish static routes to Cisco Unified SIP Proxy's virtual interfaces and other routers, use the **ip route** command in module configuration mode.

```
ip route destination-ip destination-mask {gigabitethernet | ip-address}
```

## Syntax Description

<i>destination-ip</i>	Destination network address.
<i>destination-mask</i>	Destination network address mask.
<b>gigabitethernet</b>	Virtual interface to which to route.
<i>ip-address</i>	Forwarding router's address.

## Command Default

No static routes are established.

## Command Modes

Module configuration (config)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Usage Guidelines

The last argument specifies the forwarding address which is either the virtual interface to route to or the forwarding router's address.

## Examples

The following example establishes a static route to Cisco Unified SIP Proxy's Gigabit Ethernet interface 0.2:

```
se-10-1-0-0(config)# ip route 10.10.10.2 255.255.255.0 GigabitEthernet0.2
```

The following example establishes a static route to the router whose IP address is 10.10.20.2:

```
se-10-1-0-0(config)# ip route 10.10.10.2 255.255.255.0 10.10.20.2
```

# show license smart agent-version

To display the version of the Smart Agent running on Cisco Unified SIP Proxy, use the **show license smart agent-version** command in module EXEC mode.

**Syntax Description** This command has no arguments or keywords.

**Command Modes** Module EXEC (>)

Command History	Cisco Unified SIP Proxy Version	Modification
	9.1.6	This command was introduced.

**Examples** The following example shows the version of the Smart Agent running on Cisco Unified SIP Proxy:

```
se-10-1-0-0# show license smart agent-version
SmartAgent Version: 3.0.9
```

# show license smart udi

To display the Unique Device Identifier (UDI) of Cisco Unified SIP Proxy, use the **show license smart udi** command in module EXEC mode.

**show license smart udi**

**Syntax Description** This command has no arguments or keywords.

**Command Modes** Module EXEC (>)

Command History	Cisco Unified SIP Proxy Version	Modification
	9.0	This command was introduced.

**Examples** The following example shows the Cisco Unified SIP Proxy software UDI:

```
se-9-41-12-29# show license smart udi
UDI: UC_CUSP:VJQ6q77nQod
Serial Number: VJQ6q77nQod
Product ID: UC_CUSP
```

## show license smart summary

To show current state of the Cisco Unified SIP Proxy Smart Licensing application, entitlement count, time left in evaluation mode (if applicable), product specific details, authorization and registration related timers, and to capture recent failures with communication related to licensing server, use the **show license smart summary** command in module EXEC mode.

**show license smart summary**

**Syntax Description** This command has no arguments or keywords.

**Command Modes** Module EXEC (>)

Command History	Cisco Unified SIP Proxy Version	Modification
	9.0	This command was introduced.

**Examples** The following example shows current state of the Cisco Unified SIP proxy Smart Licensing application:

```
se-10-104-45-238# show license smart summary
Smart Agent is Enabled: true
Current State of the Agent: OUT_OF_COMPLIANCE
Is Evaluation Mode: No
Is Registration Successful: YES
Is Authorization Successful: YES
Requested license count: 5
Entitlement tag: regid.2019-02.com.cisco.CUSP_5,10.0_a8c7a082-c70b-465b-812f-eb4a520f2fc3
Configured destination
address:https://tools.cisco.com/its/service/oddce/services/DDCEService
Transport Mode: TransportCallHome
UDI: UC_CUSP:VOEanZTRAZk
Serial Number: VOEanZTRAZk
product ID: UC_CUSP
Software ID Tag: regid.2019-02.com.cisco.CUSP,10.0_bcc5017c-1e5b-4294-a6a6-3f664298e6b5
Product ID Tag: UC_CUSP
Entitlement Version: 10.0
Enforcement Mode: OutOfCompliance
Registration expiry period: Wed Feb 26 06:25:37 IST 2020
Latest Failure Reason String Notification: Successful.
Auth period: Wed Feb 27 06:46:40 IST 2019
Http Proxy Address: Not Set::
```

# show license smart status application cusp

To capture the current state of the licensing agent, use the **show license smart status application cusp** command in module EXEC mode.

**show license smart status application cusp**

**Syntax Description** This command has no arguments or keywords.

## Command History

Cisco Unified SIP Proxy Version	Modification
9.0	This command was introduced.

## Examples

The following example shows current state of the licensing agent:

```
se-10-104-45-238# show license smart status application cusp
Smart Agent is Enabled: true
```

Smart Agent current state: UNIDENTIFIED



# show tcp connections

To display the status of Transmission Control Protocol (TCP) connections, use the **show tcp connections** command in module EXEC mode.

**show tcp connections** [*summary*]

## Syntax Description

<i>summary</i>	(Optional) Displays the summary statement for all the tcp connections for the Cisco Unified SIP Proxy module.
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## Command History

Cisco Unified SIP Proxy Version	Modification
8.5.13 and 9.1.4	This command was introduced.

## Usage Guidelines

The **show tcp connections** command displays detailed connection information at the operating system level. To obtain information at the application level, use the **show sip tcp connections detail** command.

## Examples

The following example shows the current active tcp connections available on the operating system:

```
se-10-64-86-198# show tcp connections
```

Active Internet connections (servers and established)

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State	PID/Program name
tcp	0	0	127.0.0.1:389	0.0.0.0:*	LISTEN	1634/slapd
tcp	0	0	0.0.0.0:911	0.0.0.0:*	LISTEN	1106/tclsh
tcp	0	0	0.0.0.0:21	0.0.0.0:*	LISTEN	2637/vsftpd
tcp	0	0	0.0.0.0:22	0.0.0.0:*	LISTEN	1108/sshd
tcp	0	0	127.0.0.1:5432	0.0.0.0:*	LISTEN	1824/postmaster
tcp	0	96	10.64.86.198:22	10.196.106.64:62609	ESTABLISHED	2693/sshd: cuspd [
tcp	0	0	127.0.0.1:389	127.0.0.1:49865	ESTABLISHED	1634/slapd
tcp	0	0	127.0.0.1:58065	127.0.0.1:12345	ESTABLISHED	2751/cli_xconn
tcp	0	0	127.0.0.1:5432	127.0.0.1:45198	ESTABLISHED	2782/postgres: post
tcp	0	0	127.0.0.1:5432	127.0.0.1:56925	ESTABLISHED	2286/postgres: post
tcp	0	0	127.0.0.1:58064	127.0.0.1:12345	ESTABLISHED	2687/cli_xconn
tcp	0	0	10.64.86.198:22	10.196.106.64:62608	ESTABLISHED	2306/sshd: cuspd [

# license smart destinationAddr

To specify the smart manager URL, use the **license smart destinationAddr** command in module EXEC mode.

**license smart destinationAddr** *url*

<b>Syntax Description</b>	<i>url</i>	Connects to the central licensing server.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Module EXEC (>)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	9.0	This command was introduced.

<b>Usage Guidelines</b>	Use this command to configure the central license URL.
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<b>Examples</b>	<p>The following example configures the smart manager URL:</p> <pre>se-10-1-0-0# license smart destinationAddr https://tools.cisco.com/its/service/oddce/services/D DCEService</pre>
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# license smart httpProxyAddr

To set the HTTP(S) proxy server address for smart licensing, use the *license smart httpProxyAddr* command in module EXEC mode.

```
license smart httpProxyAddr url
```

<b>Syntax Description</b>	<i>url</i>	Specifies the HTTP proxy address.
<b>Command Default</b>	None	
<b>Command Modes</b>	Module EXEC (>)	
<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	9.0	This command was introduced.
<b>Usage Guidelines</b>	If HTTP Proxy is required to connect to the smart manager, use this command to set the proxy address through which the request will be sent.	
<b>Examples</b>	The following example specifies the HTTP(S) proxy server address for smart licensing: <pre>se-10-1-0-0# license smart httpProxyAddr 10.1.1.1</pre>	

## license smart activate cusp

To enable smart agent licensing in Cisco Unified SIP Proxy, use the **license smart activate cusp** command in module EXEC mode. To enable call routing through Cisco Unified SIP Proxy, this command must be enabled. Else, the calls will drop.

**license smart activate cusp** *count*

<b>Syntax Description</b>	<i>count</i>	Specifies the maximum calls per second. The value should be a multiple of 5.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Module EXEC (>)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	9.0	This command was introduced.

<b>Usage Guidelines</b>	Set <b>license smart destinationAddr</b> before running this command. If HTTP proxy is required, execute <b>license smart httpProxyAddr</b> before you execute this command.
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<b>Examples</b>	The following example sets the maximum calls per second:
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```
se-10-1-0-0# license smart activate cusp 100
```

# license smart register token\_id

To register the device instance with the Cisco licensing cloud, use **license smart register token\_id** in module EXEC mode. Execute **license smart activate cusp** before you execute this command.

**license smart register token\_id** *token*

<b>Syntax Description</b>	<i>token</i>	Specifies the token generated in smart manager.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Cisco Unified SIP Proxy configuration (cusp-config)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	9.0	This command was introduced.

<b>Usage Guidelines</b>	Use this command to register the device instance with the Cisco licensing cloud.
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<b>Examples</b>	The following example registers and sets the token ID required for registration of smart agent on Cisco Unified SIP Proxy:
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```
se-10-1-0-0# license smart register token_id
Mjg*xZjdK4Y2RtMWY5Ny00YTk4LOI2N2MtNjcxNmYaMTkzZGFhLHE0
MjA3MjY0%0AMjI5N34Z8OVA0dmNzSjdIeG4MMHIzTmZubNFzMHhK
OTYyeH1UZWQzQzVIM3Jk%0AHV3k3MD0A3D%0N
```

■ license smart register token\_id