



# Cisco Unity Express Commands: T

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## timeout (aaa-accounting)

To specify the amount of time to wait before an AAA accounting request is considered to be unanswered, use the **timeout** command in Cisco Unity Express AAA accounting configuration mode. Use the **no** or **default** form of this command to restore the default setting.

**timeout** *seconds*

**no timeout** *seconds*

**default timeout** *seconds*

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### Syntax Description

<i>seconds</i>	The number of seconds to wait before an AAA accounting request is considered to be unanswered. The default is 5 seconds. The range is 1-60 seconds.
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### Defaults

5 seconds

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### Command Modes

Cisco Unity Express AAA accounting configuration (aaa-accounting)

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### Command History

Cisco Unity Express Release	Modification
7.0	This command was introduced.

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### Usage Guidelines

Use the **default** form of this command to set the timeout value to 5 seconds.

■ **timeout (aaa-accounting)****Examples**

The following example sets the AAA accounting timeout to 8 seconds:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting server remote
se-10-0-0-0(aaa-accounting)# timeout 8
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<a href="#">aaa accounting server remote</a>	Enters aaa-accounting submode and configures the AAA accounting server.
<a href="#">show aaa accounting service</a>	Shows the login information configured for the AAA accounting server.

## timeout (aaa-authentication)

To specify the amount of time to wait before an AAA authentication request is considered to be unanswered, use the **timeout** command in Cisco Unity Express AAA authentication configuration mode. Use the **no** or **default** form of this command to restore the default setting.

**timeout** *seconds*

**no timeout** *seconds*

**default timeout** *seconds*

<b>Syntax Description</b>	<i>seconds</i>	The number of seconds to wait before an AAA authentication request is considered to be unanswered. The default is 5 seconds. The range is 1-60 seconds.
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<b>Defaults</b>	5 seconds
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<b>Command Modes</b>	Cisco Unity Express AAA authentication configuration (aaa-authentication)
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<b>Command History</b>	<b>Cisco Unity Express Release</b>	<b>Modification</b>
	7.0	This command was introduced.

<b>Usage Guidelines</b>	Use the <b>default</b> form of this command to set the timeout value to 5 seconds.
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**Examples** The following example sets the AAA authentication timeout to 8 seconds:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa authentication server remote
se-10-0-0-0(aaa-authentication)# timeout 8
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<a href="#">aaa accounting server remote</a>	Enters aaa-authentication submode and configures the AAA authentication server.

# trace management

To enable tracing of management data requests, use the `show management agent` command in Cisco Unity Express EXEC mode.

**trace management {agent all | agent debug | all}**

## Syntax Description

<b>agent all</b>	Enables tracing of all management data requests.
<b>agent debug</b>	Enables debugging of management data requests.
<b>all</b>	Enables tracing of all activity.

## Command Modes

Cisco Unity Express EXEC

## Command History

Cisco Unity Express Release	Modification
2.2	This command was introduced on the Cisco Unity Express NM-CUE, AIM-CUE, and NM-CUE-EC.

## Usage Guidelines

As with any **trace** command, executing the **trace management** command will slow the system to some degree.

In Cisco Unity Express 2.2, the output for this command is the same for all the keywords. Use **trace management all** to view the management activity.

## Examples

The following is sample output for the **trace management** command:

```
se-10-0-0-0# trace management agent all
se-10-0-0-0# show trace buffer tail

087 06/03 18:18:42.523 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPI.getJTAPConnectionStatus out
087 06/03 18:18:42.523 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.getUpdateStatus in
087 06/03 18:18:42.523 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.update in
087 06/03 18:18:42.524 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.udpateTables in
087 06/03 18:18:42.525 mgmt agnt 1 com.cisco.aesop.mgmt.SysdbUtil.get(/sw/protorbcp,device)
087 06/03 18:18:42.526 mgmt agnt 1 com.cisco.aesop.mgmt.SysdbUtil.get(/hw/eth/eh0,ip,addrdefault)
087 06/03 18:18:42.529 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPIUtil.gettapiPortStatus in
087 06/03 18:18:42.574 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPIUtil.gettapiPortStatus {3504={id=3,
implid=3504, state=IDLE}, 3503={id=0, implid=3503,tate=IDLE}, 3502={id=1, implid=3502, state=IDLE}, 3500={id=2,
implid=3500, stat=IDLE}}
087 06/03 18:18:42.574 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPIUtil.gettapiPortStatus out
087 06/03 18:18:42.576 mgmt agnt 1
com.cisco.aesop.mgmt.SysdbUtil.get(/sw/apps/f/ccnapps/configurations/craAesop/ccnwfapp,wfjtapi,ciscoccnatcallmanage
r)
087 06/03 18:18:42.581 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPIUtil.getctiveCCM in
087 06/03 18:18:42.581 mgmt agnt 1 com.cisco.aesop.mgmt.SysdbUtil.get(/sw/limit,global,applicationMode)
087 06/03 18:18:42.602 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.JTAPIUtil.getctiveCCM out
087 06/03 18:18:42.604 mgmt agnt 1
com.cisco.aesop.mgmt.SysdbUtil.get(/sw/apps/f/ccnapps/configurations/craAesop/ccnwfapp,wfsip,providerHostname)
087 06/03 18:18:42.607 mgmt agnt 1
com.cisco.aesop.mgmt.SysdbUtil.get(/sw/apps/f/ccnapps/configurations/craAesop/ccnwfapp,wfsip,providerHostname)
```

```

087 06/03 18:18:42.610 mgmt agnt 1
com.cisco.aesop.mgmt.SysdbUtil.get(/sw/apps/f/ccnapps/configurations/craAesop/ccnwfapp,wfsip,providerPortnumber)
087 06/03 18:18:42.614 mgmt agnt 1 com.cisco.aesop.mgmt.SysdbUtil.get(/sw/limit,global,applicationMode)
087 06/03 18:18:42.615 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.udpateTables out
087 06/03 18:18:42.615 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.update out
087 06/03 18:18:42.616 mgmt agnt 1 com.cisco.aesop.mgmt.voicemail.VoiceConnectivity.getUpdateStatus out

```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>notification security login password</b>	Sets the threshold for SNMP login password failures.
<b>notification security login user</b>	Sets the threshold for SNMP login user failures.
<b>notification security pin password</b>	Sets the threshold for SNMP PIN password failures.
<b>notification security pin reset</b>	Sets the threshold for SNMP PIN password resets.
<b>notification security pin uid</b>	Sets the threshold for SNMP PIN user ID failures.
<b>show notification configuration</b>	Displays configured notification thresholds.

# trace networking all

To enable tracing for all network functions, use the **trace networking all** command in Cisco Unity Express EXEC mode.

**trace networking all**

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

**Command Modes** Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	2.0	This command was introduced.

Related Commands	Command	Description
	<a href="#">trace networking database</a>	Enables tracing for network database functions.
	<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
	<a href="#">trace networking sysdb</a>	Enables tracing for system database events.
	<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.

# trace networking database

To enable tracing for network database functions, use the **trace networking database** command in Cisco Unity Express EXEC mode.

**trace networking database** [**all** | **connection** | **execute** | **garbage** | **largeobject** | **mgmt** | **query** | **results** | **transactions**]

Syntax Description		
<b>all</b>	(Optional)	Enables tracing for every database event.
<b>connection</b>	(Optional)	Enables tracing for database connections.
<b>execute</b>	(Optional)	Enables tracing for inserts and updates performed on the database.
<b>garbage</b>	(Optional)	Enables tracing for the garbage data collection process.
<b>largeobject</b>	(Optional)	Enables tracing for large object reads and writes to the database.
<b>mgmt</b>	(Optional)	Enables tracing for database management processes.
<b>query</b>	(Optional)	Enables tracing for queries performed on the database.
<b>results</b>	(Optional)	Enables tracing for the results of queries, inserts, and updates.
<b>transaction</b>	(Optional)	Enables tracing for the start and end of database transactions.

**Command Modes** Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	2.0	This command was introduced.

Related Commands	Command	Description
	<a href="#">trace networking all</a>	Enables tracing for all network functions.
	<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
	<a href="#">trace networking sysdb</a>	Enables tracing for system database events.
	<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.

# trace networking dns

To enable tracing for DNS activities, use the **trace networking dns** command in Cisco Unity Express EXEC mode.

**trace networking dns [all]**

<b>Syntax Description</b>	<b>all</b> (Optional) Enables tracing for every database event.
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**Command Modes** Cisco Unity Express EXEC

<b>Command History</b>	<b>Cisco Unity Express Release</b>	<b>Modification</b>
	2.0	This command was introduced.

**Usage Guidelines** Use this command to display DNS lookups that are performed and results that are given when a user adds an e-mail domain to a location and when a domain is verified and resolved using SMTP.

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<a href="#">trace networking all</a>	Enables tracing for all network functions.
	<a href="#">trace networking database</a>	Enables tracing for network database functions.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
	<a href="#">trace networking sysdb</a>	Enables tracing for system database events.
	<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.



# trace networking jobqueue

To enable tracing for the job queue, use the **trace networking jobqueue** command in Cisco Unity Express EXEC mode.

**trace networking jobqueue** [*all* | *job number*]

## Syntax Description

<b>all</b>	(Optional) Enables tracing for all jobs in the queue.
<b>job number</b>	(Optional) Enables tracing for a specified job in the queue.

## Command Modes

Cisco Unity Express EXEC

## Command History

Cisco Unity Express Release	Modification
2.0	This command was introduced.

## Related Commands

Command	Description
<a href="#">trace networking all</a>	Enables tracing for all network functions.
<a href="#">trace networking database</a>	Enables tracing for network database functions.
<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
<a href="#">trace networking sysdb</a>	Enables tracing for system database events.
<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.

## trace networking smtp

To enable tracing for SMTP network functions, use the **trace networking smtp** command in Cisco Unity Express EXEC mode.

**trace networking smtp** [**all** | **receive** | **send** | **work**]

Syntax Description		
<b>all</b>	(Optional)	Enables tracing for every SMTP activity.
<b>receive</b>	(Optional)	Enables tracing for SMTP receiving.
<b>send</b>	(Optional)	Enables tracing for SMTP sending.
<b>work</b>	(Optional)	Enables tracing for when a job is put in to or removed from the SMTP queue.

**Command Modes** Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	2.0	This command was introduced.

Related Commands	Command	Description
	<a href="#">trace networking all</a>	Enables tracing for all network functions.
	<a href="#">trace networking database</a>	Enables tracing for network database functions.
	<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking sysdb</a>	Enables tracing for system database events.
	<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.

# trace networking sysdb

To enable tracing for system database events, use the **trace networking sysdb** command in Cisco Unity Express EXEC mode.

**trace networking sysdb [all]**

<b>Syntax Description</b>	<b>all</b> (Optional) Enables tracing for every sysdb event.
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<b>Command Modes</b>	Cisco Unity Express EXEC
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<b>Command History</b>	<b>Cisco Unity Express Release</b>	<b>Modification</b>
	2.0	This command was introduced.

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<a href="#">trace networking all</a>	Enables tracing for all network functions.
	<a href="#">trace networking database</a>	Enables tracing for network database functions.
	<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
	<a href="#">trace networking vpim</a>	Enables tracing for Voice Profile for Internet Messaging (VPIM) network functions.

## trace networking vpim

To enable tracing for Voice Profile for Internet Messaging (VPIM) network functions, use the **trace networking vpim** command in Cisco Unity Express EXEC mode.

**trace networking vpim** [**all** | **audio** | **receive** | **send**]

Syntax Description	all	Enables tracing for every VPIM activity.
	<b>audio</b>	Enables tracing for VPM audio activity.
	<b>receive</b>	Enables tracing for VPIM receiving.
	<b>send</b>	Enables tracing for VPIM sending.

**Command Modes** Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	1.2	This command was introduced.

Related Commands	Command	Description
	<a href="#">trace networking all</a>	Enables tracing for all network functions.
	<a href="#">trace networking database</a>	Enables tracing for network database functions.
	<a href="#">trace networking dns</a>	Enables tracing for DNS activities.
	<a href="#">trace networking jobqueue</a>	Enables tracing for the job queue.
	<a href="#">trace networking smtp</a>	Enables tracing for SMTP network functions.
	<a href="#">trace networking sysdb</a>	Enables tracing for system database events.

# trace snmp

To enable tracing of SNMP activity, use the **trace snmp agent** command in Cisco Unity Express EXEC mode.

```
trace snmp {agent all | agent debug | all}
```

## Syntax Description

<b>agent all</b>	Enables tracing of all SNMP data requests.
<b>agent debug</b>	Enables debugging of SNMP data requests.
<b>all</b>	Enables tracing of all activity.

## Command Modes

Cisco Unity Express EXEC

## Command History

Cisco Unity Express Release	Modification
2.2	This command was introduced on the Cisco Unity Express NM-CUE, AIM-CUE, and NM-CUE-EC.

## Usage Guidelines

As with any **trace** command, executing the **trace snmp** command will slow the system to some degree. In Cisco Unity Express 2.2, the output for this command is the same for all the keywords. Use **trace snmp all** to view the SNMP activity.

## Examples

The following is sample output for the **trace snmp** command:

```
e-10-0-0-0# trace snmp agent all
se-10-0-0-0# show trace buffer tail

4280 06/03 18:10:31.035 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxP
ercentTimeUsed,0) = cueMboxPercentTimeUsed
4280 06/03 18:10:31.100 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfMessages,1)
4280 06/03 18:10:31.100 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.109 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfMessages,1) = cueMboxNumberOfMessages
4280 06/03 18:10:31.171 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfMessages,0)
4280 06/03 18:10:31.171 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.180 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfMessages,0) = cueMboxNumberOfMessages
4280 06/03 18:10:31.241 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfNewMessages,1)
```

```

4280 06/03 18:10:31.241 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.250 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfNewMessages,1) = cueMboxNumberOfNewMessages
4280 06/03 18:10:31.313 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfNewMessages,0)
4280 06/03 18:10:31.313 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.322 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfNewMessages,0) = cueMboxNumberOfNewMessages
4280 06/03 18:10:31.384 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfSavedMessages,1)
4280 06/03 18:10:31.385 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.393 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfSavedMessages,1) =cueMboxNumberOfSavedMessages
4280 06/03 18:10:31.454 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfSavedMessages,0)
4280 06/03 18:10:31.455 snmp agnt 1
com.cisco.aesop.mgmt.snmp.MBeanUtil.invoke(Voicemail:name=Stats,MboxStatsTableValue,<parms>,<signature>)
4280 06/03 18:10:31.463 snmp agnt 1
com.cisco.aesop.mgmt.snmp.SnmpNative.SnmpTableGetLong(CISCO-UNITY-EXPRESS-MIB,cueMboxTable,cueMboxN
umberOfSavedMessages,0) =cueMboxNumberOfSavedMessages

```

**Related Commands**

Command	Description
<a href="#">show snmp configuration</a>	Displays the SNMP configuration.
<a href="#">snmp-server community</a>	Enables SNMP and sets community strings.
<a href="#">snmp-server contact</a>	Specifies SNMP contact information.
<a href="#">snmp-server enable traps</a>	Enables SNMP traps.
<a href="#">snmp-server host</a>	Specifies up to 5 SNMP hosts.
<a href="#">snmp-server location</a>	Specifies SNMP host location information.

# transfer-mode

To set the transfer mode for SIP calls, use the **transfer-mode** command in Cisco Unity Express SIP configuration mode. To use the default mode, use the **no** or **default** form of this command.

**transfer-mode** { **attended** | **semi-attended** | **blind refer** | **blind bye-also** }

**no transfer-mode**

**default transfer-mode**

Syntax Description		
<b>attended</b>		Transfers SIP calls as attended transfers. The transfer is complete when the destination extension answers the call.
<b>semi-attended</b>		Transfers SIP calls as semi-attended transfers. The transfer is complete when the destination extension is ringing.
<b>blind refer</b>		Transfers SIP calls as blind refer calls.
<b>blind bye-also</b>		Transfers SIP calls as blind bye-also calls.

## Defaults

The default transfer mode is **bye-also**.

## Command Modes

Cisco Unity Express SIP configuration

## Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.
2.3.2	The default value was changed from <b>semi-attended</b> to <b>bye-also</b> .

## Usage Guidelines

The attended and semi-attended transfers permit Cisco Unity Express to respond if the transfer of a call fails, such as when the remote end is busy or the destination provided is invalid.

## Examples

The following example set the SIP call transfer mode to blind refer.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# transfer-mode blind refer
se-10-0-0-0(config-sip)# end
se-10-0-0-0(config)#end
se-10-0-0-0#
```

## Related Commands

Command	Description
<a href="#">ccn subsystem sip</a>	Enters SIP configuration mode.
<a href="#">dtmf-relay</a>	Sets the SIP DTMF relay mechanism.

Command	Description
<a href="#">mwi sip</a>	Sets the MWI notification mechanism used by Cisco Unity Express.
<a href="#">show ccn sip subscription mwi</a>	Displays the active MWI subscriptions.
<a href="#">show ccn subsystem sip</a>	Displays the DTMF relay mechanism.