



# 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

| Command                                      | Description   |
|--|---|
| <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. |
|---------------------------|----------------|---|

|                 |           |
|-----------------|-----------|
| <b>Defaults</b> | 5 seconds |
|-----------------|-----------|

|                      |   |
|----------------------|---|
| <b>Command Modes</b> | Cisco Unity Express AAA authentication configuration (aaa-authentication) |
|----------------------|---|

| <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. |
|-------------------------|--|

**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. |
|---------------------------|---|

**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. |
|---------------------------|--|

|                      |                          |
|----------------------|--------------------------|
| <b>Command Modes</b> | Cisco Unity Express EXEC |
|----------------------|--------------------------|

|                        |                                    |                              |
|------------------------|------------------------------------|------------------------------|
| <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.                               |