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Last Updated: January 12, 2009

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*

Syntax Description

seconds	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.

Defaults

5 seconds

Command Modes

Cisco Unity Express AAA accounting configuration (aaa-accounting)

Command History

Cisco Unity Express Release	Modification
7.0	This command was introduced.

Usage Guidelines

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

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
aaa accounting server remote	Enters aaa-accounting submode and configures the AAA accounting server.
show aaa accounting service	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*

Syntax Description

seconds	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.

Defaults

5 seconds

Command Modes

Cisco Unity Express AAA authentication configuration (aaa-authentication)

Command History

Cisco Unity Express Release	Modification
7.0	This command was introduced.

Usage Guidelines

Use the **default** 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
```

Related Commands

Command	Description
aaa accounting server remote	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

agent all	Enables tracing of all management data requests.
agent debug	Enables debugging of management data requests.
all	Enables tracing of all activity.

Command ModesT

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.VoiceConnectviity.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

Command	Description
notification security login password	Sets the threshold for SNMP login password failures.
notification security login user	Sets the threshold for SNMP login user failures.
notification security pin password	Sets the threshold for SNMP PIN password failures.
notification security pin reset	Sets the threshold for SNMP PIN password resets.
notification security pin uid	Sets the threshold for SNMP PIN user ID failures.
show notification configuration	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
trace networking database	Enables tracing for network database functions.
trace networking dns	Enables tracing for DNS activities.
trace networking jobqueue	Enables tracing for the job queue.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking sysdb	Enables tracing for system database events.
trace networking vpim	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

all	(Optional) Enables tracing for every database event.
connection	(Optional) Enables tracing for database connections.
execute	(Optional) Enables tracing for inserts and updates performed on the database.
garbage	(Optional) Enables tracing for the garbage data collection process.
largeobject	(Optional) Enables tracing for large object reads and writes to the database.
mgmt	(Optional) Enables tracing for database management processes.
query	(Optional) Enables tracing for queries performed on the database.
results	(Optional) Enables tracing for the results of queries, inserts, and updates.
transaction	(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
trace networking all	Enables tracing for all network functions.
trace networking dns	Enables tracing for DNS activities.
trace networking jobqueue	Enables tracing for the job queue.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking sysdb	Enables tracing for system database events.
trace networking vpim	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**]

Syntax Description

all	(Optional) Enables tracing for every database event.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
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.

Related Commands

Command	Description
trace networking all	Enables tracing for all network functions.
trace networking database	Enables tracing for network database functions.
trace networking jobqueue	Enables tracing for the job queue.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking sysdb	Enables tracing for system database events.
trace networking vpim	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

all	(Optional) Enables tracing for all jobs in the queue.
job *number*	(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
trace networking all	Enables tracing for all network functions.
trace networking database	Enables tracing for network database functions.
trace networking dns	Enables tracing for DNS activities.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking sysdb	Enables tracing for system database events.
trace networking vpim	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

all	(Optional) Enables tracing for every SMTP activity.
receive	(Optional) Enables tracing for SMTP receiving.
send	(Optional) Enables tracing for SMTP sending.
work	(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
trace networking all	Enables tracing for all network functions.
trace networking database	Enables tracing for network database functions.
trace networking dns	Enables tracing for DNS activities.
trace networking jobqueue	Enables tracing for the job queue.
trace networking sysdb	Enables tracing for system database events.
trace networking vpim	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**]

Syntax Description

all	(Optional) Enables tracing for every sysdb event.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
2.0	This command was introduced.

Related Commands

Command	Description
trace networking all	Enables tracing for all network functions.
trace networking database	Enables tracing for network database functions.
trace networking dns	Enables tracing for DNS activities.
trace networking jobqueue	Enables tracing for the job queue.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking vpim	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.
audio	Enables tracing for VPM audio activity.
receive	Enables tracing for VPIM receiving.
send	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
trace networking all	Enables tracing for all network functions.
trace networking database	Enables tracing for network database functions.
trace networking dns	Enables tracing for DNS activities.
trace networking jobqueue	Enables tracing for the job queue.
trace networking smtp	Enables tracing for SMTP network functions.
trace networking sysdb	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

agent all	Enables tracing of all SNMP data requests.
agent debug	Enables debugging of SNMP data requests.
all	Enables tracing of all activity.

Command ModesT

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
show snmp configuration	Displays the SNMP configuration.
snmp-server community	Enables SNMP and sets community strings.
snmp-server contact	Specifies SNMP contact information.
snmp-server enable traps	Enables SNMP traps.
snmp-server host	Specifies up to 5 SNMP hosts.
snmp-server location	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

attended	Transfers SIP calls as attended transfers. The transfer is complete when the destination extension answers the call.
semi-attended	Transfers SIP calls as semi-attended transfers. The transfer is complete when the destination extension is ringing.
blind refer	Transfers SIP calls as blind refer calls.
blind bye-also	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 **semi-attended** to **bye-also**.

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
ccn subsystem sip	Enters SIP configuration mode.
dtmf-relay	Sets the SIP DTMF relay mechanism.

Command	Description
mwi sip	Sets the MWI notification mechanism used by Cisco Unity Express.
show ccn sip subscription mwi	Displays the active MWI subscriptions.
show ccn subsystem sip	Displays the DTMF relay mechanism.