M

maxactive (ccn subsystem edbs dbprofile)–IVR Only

To specify the maximum number of concurrent active connections to the Cisco Unity Express IVR enterprise database subsystem (EDBS), use the **maxactive** command in Cisco Unity Express IVR EDBS profile configuration mode. Use the **no** form of this command to set the maximum number of active connections to 0.

maxactive *number*

no maxactive *number*

Syntax Description	*number* Maximum number of concurrent active connections to the external database.

Command Default The default maximum number of concurrent active connections is twice the number of licensed Cisco Unity Express IVR sessions.

Command Modes Cisco Unity Express IVR EDBS profile configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines After the **ccn subsystem edbs profile** command is successfully performed, use the **maxactive** command to specify the maximum number of concurrent active connections to the Cisco Unity Express IVR EDBS. Connection requests that are made after the maximum limit is reached cause connection failures. The maximum value that you can specify, which is also the default value, is twice the number of licensed Cisco Unity Express IVR sessions.

Examples The following example sets the maximum number of concurrent active connections to the Cisco Unity Express IVR EDBS to 8:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem edbs dbprofile mydbprofile
Adding new Database profile
se-10-0-0-0(config-dbprof)# maxactive 8
se-10-0-0-0(config-dbprof)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn subsystem edbs dbprofile–IVR Only	Displays the Cisco Unity Express IVR EDBS profile settings.

maxsessions (ccn application)

To specify the maximum number of subscribers who can access an application simultaneously, use the **maxsessions** command in Cisco Unity Express configuration application mode. To set the number to 0, use the **no** form of this command.

maxsessions *number*

no maxsessions

Syntax Description

number	Number of subscribers who can access this application simultaneously. The maximum value is determined by the number of ports purchased for the application. The default value is the number of ports granted by the license.

Command Modes

Configuration application

Command History

Cisco Unity Express Release	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Examples

The following example sets the maximum number of subscribers who can access the autoattendant application simultaneously to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application autoattendant
se-10-0-0-0(config-application)# maxsessions 12
se-10-0-0-0(config-application)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
ccn application	Configures the CCN applications, such as voice mail and auto attendant.
show ccn application	Displays the CCN application details.

maxsessions (ccn trigger http)–IVR Only

To configure the maximum number of simultaneous incoming Cisco Unity Express IVR HTTP-based sessions, use the **maxsessions** command in Cisco Unity Express IVR HTTP trigger configuration mode. Use the **no** form of this command to set the maximum number of simultaneous HTTP requests value to 0.

> **maxsessions** *maximum-sessions*

> **no maxsessions** *maximum-sessions*

Syntax Description	*maximum-sessions* Maximum number of simultaneous sessions of HTTP-based requests for the Cisco Unity Express IVR licensed port.

Defaults   The default is the number of licensed Cisco Unity Express IVR sessions.

Command Modes   Cisco Unity Express IVR HTTP trigger configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines   After the **ccn trigger http** command is successfully performed, use the **maxsessions** command to configure the maximum number of simultaneous incoming HTTP sessions for this trigger. The maximum value you can specify is limited by the number of licensed Cisco Unity Express IVR sessions. Use the **default** form of this command to set the maximum number of simultaneous HTTP requests to the number of licensed Cisco Unity Express IVR sessions.

Examples   The following example sets the maximum number of simultaneous sessions of incoming HTTP-based requests to 8:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger http urlname myhttpapp
Adding new trigger
se-10-0-0-0(config-trigger)# maxsessions 8
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn trigger http–IVR Only	Displays the trigger and application settings. Use the **show ccn trigger http** command to display the Cisco Unity Express IVR HTTP-based trigger settings.

maxsessions (ccn trigger jtapi)

To specify the maximum number of subscribers who can access a JTAPI trigger simultaneously, use the **maxsessions** command in Cisco Unity Express configuration trigger mode. To set the number to 0, use the **no** form of this command.

> **maxsessions** *number*

> **no maxsessions**

Syntax Description	*number*	Number of subscribers who can access this trigger simultaneously. The maximum value is determined by the number of ports purchased for the application. The default value is the number of ports granted by the license.

Command Modes   Configuration trigger

Command History

Cisco Unity Express Release	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Examples   The following example sets the maximum number of subscribers who can access the JTAPI phonenumber trigger simultaneously to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger jtapi phonenumber 1234
se-10-0-0-0(config-trigger)# maxsessions 12
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
ccn trigger jtapi phonenumber	Enters CCN configuration trigger mode.
show ccn trigger all	Displays the CCN trigger details.

maxsessions (ccn trigger sip)

To specify the maximum number of subscribers who can access a SIP trigger simultaneously, use the **maxsessions** command in Cisco Unity Express configuration trigger mode. To set the number to 0, use the **no** form of this command.

maxsessions *number*

no maxsessions

Syntax Description

number	Number of subscribers who can access this trigger simultaneously. The maximum value is determined by the number of ports purchased for the application. The default value is the number of ports granted by the license.

Command Modes   Configuration trigger

Command History

Cisco Unity Express Release	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Examples   The following example sets the maximum number of subscribers who can access the SIP phonenumber trigger simultaneously to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger sip phonenumber 1234
se-10-0-0-0(config-trigger)# maxsessions 12
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
ccn trigger sip phonenumber	Enters CCN configuration trigger mode.
show ccn trigger all	Displays the CCN trigger details.

maxsessions (IMAP)

To specify the maximum number of simultaneous IMAP sessions, use the **maxsessions** command in IMAP configuration mode. To set the number to the default value 50, use the **no** or **default** form of this command.

> **maxsessions** *number*

> **no maxsessions**

> **default maxsessions**

Syntax Description		
	number	Number of simultaneous IMAP sessions. Valid values are 1 to 50. The default value is 50.

Defaults The default number of sessions is 50.

Command Modes IMAP configuration

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

Usage Guidelines Beginning with Cisco Unity Express 3.0, this command was supported on the AIM-CUE.

An error message appears if a value for number is greater than 50.

If a subscriber attempts to use the IMAP feature and the IMAP server is at its maximum number of sessions, the subscriber will see an error message.

> **Note** The IMAP server must be restarted for this value to become active.

Examples The following example sets the maximum number of simultaneous IMAP sessions to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-application)# maxsessions 12
se-10-0-0-0(config-application)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	enable (IMAP)	Enables the IMAP feature.
	groupname	Configures voice-mail group parameters.

Command	Description
service imap	Enters IMAP configuration mode.
session idletimeout (IMAP)	Specifies the IMAP session idletimeout value.
session security	Sets the IMAP client connection type.
show imap configuration	Displays all IMAP configuration parameters.
show imap sessions	Displays all active IMAP sessions.

maxsteps (ccn engine)

To specify the maximum number of steps that can be executed in an application, use the **maxsteps** command in Cisco Unity Express configuration engine mode. This command does not have a **no** form.

maxsteps *number*

Syntax Description

number	Maximum number of steps that can be executed in an application. The default value is 1000. Maximum number of steps is 10,000.

Defaults   1000 steps

Command Modes   Configuration engine

Command History

Cisco Unity Express Release	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Examples   The following example sets the maximum number of steps in an application to 500.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn engine
se-10-0-0-0(config-engine)# maxsteps 500
se-10-0-0-0(config-engine)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
ccn application	Configures the CCN applications, such as voice mail and auto attendant.
ccn engine	Configures the features shared by all the Cisco Unity Express subsystems.
show ccn engine	Displays the CCN engine details.

mwi refresh

To refresh the message-waiting indicator (MWI) lights on one or more telephones, use the **mwi refresh** command in Cisco Unity Express EXEC mode.

mwi refresh {**all** | **telephonenumber** *tel-number*}

Syntax Description

all	Refreshes all telephones configured on the system.
telephonenumber *tel-number*	Refreshes the specified telephone number or extension.

Command Modes   Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
1.0	This command was introduced on the Cisco Unity Express network module and in Cisco Unified Communications Manager Express 3.0.
1.1	This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Usage Guidelines   Use this command to update the MWI lights when they are not in synchronization with the stored voice messages.

Refreshing an extension that does not require it does not affect that extension.

Examples   The following example refreshes the MWIs for all telephones:
```
se-10-0-0-0> enable
se-10-0-0-0# mwi refresh all
```

The following example refreshes the MWI for extension 2015:
```
se-10-0-0-0> enable
se-10-0-0-0# mwi refresh telephonenumber 2015
```

Related Commands

Command	Description
show groups	Displays a list of all configured groups.
show users	Displays a list of all configured subscribers.
show voicemail	Displays the properties of the configured voice-mail system.

mwi sip

To set the message waiting indicator (MWI) notification mechanism, use the **mwi sip** command in Cisco Unity Express SIP configuration mode. To use the outcall mechanism, use the **no** or **default** form of this command.

mwi sip {**outcall** | **sub-notify** | **unsolicited**}

no mwi sip

default mwi sip

Syntax Description

outcall	Sends MWI notifications using the SIP outcall mechanism.
sub-notify	Sends MWI notifications using the Subscribe Notify mechanism.
unsolicited	Sends MWI notifications using the Unsolicited Notify mechanism.

Defaults   The default mechanism is **outcall**.

Command Modes   Cisco Unity Express SIP configuration

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines   Only Cisco Unified CME can use the SIP **outcall** mechanism for generating MWI notifications. Outcall will not work between Cisco Unity Express and a Cisco Unified Communications Manager system.

> **Note**   If the MWI notification option is **outcall,** configure the MWI on and off extensions. See "Configuring the MWI On and Off Extensions (Cisco Unified CME Only)" in the *Cisco Unity Express 3.0 Voice-Mail and Auto-Attendant CLI Administrator Guide*.

The **outcall** option is available for backward compatibility. It is recommended that you use either **sub-notify** or **unsolicited** for the MWi notification option.

To use the **outcall** option, Cisco Unified CME must configure each ephone-dn that is registered to receive MWI notifications as follows:

```
ephone-dn 30
  number 8000....
  mwi on
.
.
ephone-dn 31
  number 8001....
  mwi off
```

Both Cisco Unified CME and Cisco Unified Communications Manager in SRST mode can use the **sub-notify** and **unsolicited** mechanisms for generating MWI notifications. With these mechanisms, the MWI notifications will reflect the accurate status of messages in a subscriber's voice mailbox.

After an ephone-dn is configured with the **sub-notify** option, Cisco Unified CME sends a Subscribe message to Cisco Unity Express to register the phone for MWI notifications. When a new voice message arrives in the voice mailbox for the ephone-dn, Cisco Unity Express updates the MWI status. If Cisco Unity Express does not receive the Subscribe message for the ephone-dn, Cisco Unity Express will not update the MWI status when a new message arrives.

To use the **sub-notify** option, Cisco Unified CME must configure each ephone-dn that is registered to receive MWI notifications as follows:

For Cisco IOS Releases Prior to 12.3(11)T07

```
telephony-service
.
.
   mwi sip-server 10.100.9.6 transport udp port 5060
   number 2010
.
ephone-dn 35
  mwi sip
```

For Cisco IOS Releases 12.3(11)T07 and Later

```
sip-ua
.
.
   mwi-server ipv4:10.100.9.6 transport udp port 5060
   number 2010
.
ephone-dn 35
  mwi sip
```

For Cisco SRST Mode

```
sip-ua
.
.
   mwi-server ipv4:10.100.9.6 transport udp port 5060
   number 2010
.
call-manager-fallback.
  mwi relay
```

The **unsolicited** option does not require Cisco Unified CME to send a subscription request for each ephone-dn to Cisco Unity Express for MWI notifications. Cisco Unity Express sends Notify messages to Cisco Unified CME whenever the voice mailbox for any ephone-dn receives a new message. In this way, the MWI status reflects the current voice mailbox message status.

To use the **unsolicited** option, Cisco Unified CME must configure each ephone-dn that is registered to receive MWI notifications as follows:

For Cisco IOS Releases Prior to 12.3(11)T07

```
telephony-service
.
.
   mwi sip-server 10.100.9.6 transport udp port 5060 unsolicited
   number 2010
```

```
.
ephone-dn 35
  mwi sip
```

For Cisco IOS Release 12.3(11)T07 and Later

```
sip-ua
.
.
   mwi-server ipv4:10.100.9.6 transport udp port 5060 unsolicited
   number 2010
.
ephone-dn 35
  mwi sip
```

For Cisco SRST Mode

```
sip-ua
.
.
   mwi-server ipv4:10.100.9.6 transport udp port 5060 unsolicited
   number 2010
.
call-manager-fallback.
  mwi relay
```

The SIP server IP address used in these commands must be the IP address of Cisco Unity Express. In the examples shown above, this is 10.100.9.6.

Examples

The following example configures the MWI notification mechanism as SIP Notify:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# mwi sip sub-notify
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.
show ccn sip subscription mwi	Displays the active MWI subscriptions.
show ccn subsystem sip	Displays the DTMF relay mechanism.
transfer-mode	Sets the transfer mode used by Cisco Unity Express for SIP calls.

mwi sip