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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 Version	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 call-agent	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 Version	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 Version	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 Version	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 Version	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.

messaging-gateway

To specify location information for the primary or secondary messaging gateway that is used for registration, use the **messaging-gateway** command in Cisco Unity Express gateway configuration mode. Use the no form of the command to negate the configuration for the messaging gateway registration.

messaging-gateway {primary | secondary} *location-id umg-ip-addr* **[port** *ump-port*]

no messaging-gateway {primary | secondary} *location-id umg-ip-addr* **[port** *ump-port*]

Syntax Description

primary	Indicates that the information is for the primary messaging gateway to which Cisco Unity Express is requesting to be registered.
secondary	Indicates that the information is for the secondary messaging gateway to which Cisco Unity Express is requesting to be registered.
location-id	ID number of the messaging gateway to which Cisco Unity Express is requesting to be registered.
ip-addr	IP address of the messaging gateway to which Cisco Unity Express is requesting to be registered.
port *umg-port*	Port number of the messaging gateway to which Cisco Unity Express is requesting to be registered.

Command Modes

Cisco Unity Express gateway configuration

Command History

Cisco Unity Express Version	Modification
3.1	This command was introduced.

Usage Guidelines

This command enters gateway configuration mode and specifies the location ID and IP address (or domain name) of the primary or secondary messaging gateway to which Cisco Unity Express is attempting to register.

Examples

The following example causes Cisco Unity Express to send a registration message the messaging gateway with an ID of 59000 and an IP address of 192.0.2.24:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# messaging-gateway primary 59000 192.0.2.24
```

Related Commands

Command	Description
messaging-gateway registration	Causes the endpoint (Cisco Unity Express) to send a registration message to its messaging gateway.
show messaging-gateway	Displays the details associated with the registration of the messaging gateway

messaging-gateway directory lookup

To enable the remote directory lookup feature, use the **messaging-gateway directory lookup** command in Cisco Unity Express gateway configuration mode. Use the **no** form of the command to disable the remote directory lookup feature.

messaging-gateway directory lookup

no messaging-gateway directory lookup

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express gateway configuration

Command History

Cisco Unity Express Version	Modification
3.1	This command was introduced.

Usage Guidelines

The remote directory lookup feature is enabled by default when the **messaging-gateway register** is issued.

Examples

The following example enables the remote directory lookup feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# messaging-gateway directory lookup
```

Related Commands

Command	Description
messaging-gateway directory lookup tui-prompt	Enables confirmation of the remote directory lookup in TUI mode.
show messaging-gateway	Displays the details associated with the registration of the messaging gateway

messaging-gateway directory lookup tui-prompt

To enable confirmation of the remote directory lookup in TUI mode, use the **messaging-gateway directory lookup tui-prompt** command in Cisco Unity Express gateway configuration mode. Use the **no** form of the command to disable the confirmation of remote directory lookup.

messaging-gateway directory lookup tui-prompt

no messaging-gateway directory lookup tui-prompt

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express gateway configuration

Command History

Cisco Unity Express Version	Modification
3.1	This command was introduced.

Usage Guidelines

This feature is disabled automatically when you disable the directory lookup feature using the **no messaging-gateway directory lookup** command. However, this feature is not automatically enabled when you enable the directory lookup feature by issuing the **messaging-gateway directory lookup**.

In addition, when you enable this feature, it also enables the remote directory lookup feature.

Examples

The following example enables the remote directory lookup feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# messaging-gateway directory lookup tui-prompt
```

Related Commands

Command	Description
messaging-gateway directory lookup tui-prompt	Enables the remote directory lookup feature.
show messaging-gateway	Displays the details associated with the registration of the messaging gateway

messaging-gateway registration

To cause the endpoint (Cisco Unity Express) to automatically send a registration message to its messaging gateway, use the **messaging-gateway registration** command in Cisco Unity Express configuration mode. Use the **no** form of the command to disable autoregistration with the massaging gateway.

messaging-gateway registration

no messaging-gateway registration

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.1	This command was introduced.

Usage Guidelines

This command enters gateway configuration mode and first causes the endpoint (Cisco Unity Express) to send a registration message to its primary messaging gateway. If the registration fails, the message is send to the secondary messaging gateway, unless registration with the primary fails due to a configuration error.

Examples

The following example causes Cisco Unity Express to send a registration message the messaging gateway with an ID of 59000 and an IP address of 192.0.2.24:

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# messaging-gateway directory lookup 59000 192.0.2.24
```

Related Commands

Command	Description
messaging-gateway	Specifies the location ID and IP address for the primary or secondary messaging gateway.
show messaging-gateway	Displays the details associated with the registration of the messaging gateway

mwi envelope-info

To enable the inclusion of envelope information in SIP MWI notifications, use the **mwi envelope-info** command in Cisco Unity Express SIP configuration mode. Use the **no** or **default** form of the command to disable the inclusion of envelope information.

mwi envelope-info

no mwi envelope-info

default mwi envelope-info

Syntax Description

This command has no arguments or keywords.

Command Default

Envelope information is not included in SIP MWI notifications.

Command Modes

Cisco Unity Express SIP configuration

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

This command is relevant only when the **mwi sip sub-notify** command is used.

This command does not effect whether Cisco Unity Express accepts MWI subscriptions that request envelope information. It only determines whether envelope information is not included in SIP MWI notifications and it effects only the content of MWI messages generated by Cisco Unity Express. Disabling the inclusion of envelope information does not terminate existing MWI subscriptions. after it is enabled, subsequent MWI notifications include envelope information for any existing MWI subscription that requested with envelope information

The no or default version of this command disables the inclusion of envelope information in MWI notifications. By default envelope information is disabled.

Examples

The following example enables the inclusion of envelope information:

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# ccn subsystem sip
se-10-0-0-0 (config-sip)# mwi envelope-info
se-10-0-0-0 (config-sip)# exit
```

Related Commands

Command	Description
ccn subsystem sip	Enters SIP configuration mode.

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 Version	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 Version	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 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.

mwiport

To configure a Cisco Unified Communications Manager CTI port to use for MWI, use the **mwiport dn** command in Cisco Unity Express JTAPI configuration mode. To remove the configuration, use the **no** form of this command.

mwiport ***dn-number***

no mwiport *dn-number*

Syntax Description

dn-number	The DN number of the CTI port to use for MWI.

Command Modes

Cisco Unity Express JTAPI configuration

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

The DN that you assign to a CTI port to use for MWI must be different from those used by any of the CTI ports (as configured using the **ctiport** command).

The Cisco Unified Communications Manager must have a CTI port that is assigned the DN you specify when you configure the CTI port, and the DN must be under the control of Cisco Unity Express JTAPI application user.

If an MWI port is configured on Cisco Unity Express but the DN is not in service, or Cisco Unity Express cannot register the port, no notifications are generated. If no MWI port is configured, Cisco Unity Express uses one of the regular CTI ports.

Examples

The following example configures the CTI port with DN 44 to be used for MWI.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# mwiport 44
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccn subsystem jtapi	Enters JTAPI configuration mode.
show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.