



Cisco Unity Express Command Reference for 3.0 and Later Versions

First released: May 1, 2006
Last updated: June 23, 2011

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883

Text Part Number: OL-14012-06

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

DISCLAIMER: The use of monitoring, recording, or listening devices to eavesdrop, monitor, retrieve, or record phone conversations or other sound activities, whether or not contemporaneous with transmission, may be illegal in certain circumstances under federal, state and/or local laws. Legal advice should be sought prior to implementing any practice that monitors or records any phone conversation. Some laws require some form of notification to all parties to a phone conversation, such as by using a beep tone or other notification method or requiring the consent of all parties to the phone conversation, prior to monitoring or recording the phone conversation. Some of these laws incorporate strict penalties. In cases where local laws require a periodic beep while a conversation is being recorded, the Cisco Unity Express voice-mail system provides a user with the option of activating "the beep." Prior to activating the Cisco Unity Express live record function, check the laws of all applicable jurisdictions. This is not legal advice and should not take the place of obtaining legal advice from a lawyer. IN ADDITION TO THE GENERAL DISCLAIMER THAT ACCOMPANIES THIS CISCO UNITY EXPRESS PRODUCT, CISCO ADDITIONALLY DISCLAIMS ANY AND ALL LIABILITY, BOTH CIVIL AND CRIMINAL, AND ASSUMES NO RESPONSIBILITY FOR THE UNAUTHORIZED AND/OR ILLEGAL USE OF THIS CISCO UNITY EXPRESS PRODUCT. THIS DISCLAIMER OF LIABILITY INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE UNAUTHORIZED AND/OR ILLEGAL RECORDING AND MONITORING OF TELEPHONE CONVERSATIONS IN VIOLATION OF APPLICABLE FEDERAL, STATE AND/OR LOCAL LAWS.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

Cisco Unity Express Command Reference for 3.0 and Later Versions
© 2007-2011 Cisco Systems, Inc. All rights reserved.



CONTENTS

3

Using Cisco Unity Express Software	19
Understanding Command Modes	19
Entering the Command Environment	21
Prerequisites	21
Getting Help	22
Using the no and default Forms of Commands	22
Saving Configuration Changes	22
Identifying Supported Platforms	23
Using Feature Navigator	23
A	25
aaa accounting enable	26
aaa accounting event	27
aaa accounting server remote	28
aaa authentication server remote	29
aaa policy system	30
abbreviation (network location id)	31
address (aaa-accounting)	32
address (aaa-authentication)	34
application (ccn trigger http)—IVR Only	36
application (ccn trigger jtapi)	37
application (ccn trigger sip)	38
authentication-order (aaa-policy)	39
authorization merge-attributes (aaa-policy)	40
B	41
backup	42
backup categories	44
backup category	45
backup notification	47

[backup schedule](#) 48
[backup schedule disable all](#) 50
[backup security enforced](#) 51
[backup security key](#) 52
[backup security protected](#) 53
[backup server authenticate](#) 54
[banner login](#) 55

C 57

[calendar biz-schedule](#) 59
[calendar holiday](#) 61
[calendar holiday fixed](#) 63
[call-agent](#) 64
[caller-flow caller-input](#) 66
[calling-number-rule prepend-digits](#) 68
[ccm-manager address](#) 69
[ccm-manager credentials](#) 71
[ccm-manager username](#) 72
[ccn application](#) 74
[ccn call terminate](#) 75
[ccn copy document–IVR Only](#) 76
[ccn copy prompt](#) 78
[ccn copy script](#) 79
[ccn copy url document–IVR Only](#) 80
[ccn copy url prompt](#) 82
[ccn delete prompt](#) 84
[ccn delete document–IVR Only](#) 86
[ccn engine](#) 87
[ccn rename prompt](#) 88
[ccn reporting historical](#) 89
[ccn subsystem edbs dbprofile–IVR Only](#) 90
[ccn subsystem email–IVR Only](#) 91
[ccn subsystem fax–IVR Only](#) 92
[ccn subsystem jtapi](#) 93
[ccn subsystem sip](#) 94
[ccn trigger http–IVR Only](#) 95

ccn trigger jtapi phonenumber	97
ccn trigger sip phonenumber	100
clock timezone	102
closed day	104
commands (kron schedule)	106
config-commands (aaa accounting event)	108
continue	109
copy ftp	110
copy hrdb url—IVR Only	112
copy ldap	113
copy log	114
copy running-config	116
copy startup-config	118
copy tftp	120
copy url	122
credentials (ccn subsystem edbs dbprofile)—IVR Only	123
crypto key default	124
crypto key delete	126
crypto key generate	127
crypto key import	129
ctiport	131
D	133
database (ccn reporting historical)	135
db-hostname (ccn subsystem edbs dbprofile)—IVR Only	136
dbname (ccn subsystem edbs dbprofile)—IVR Only	137
db-password (ccn subsystem edbs dbprofile)—IVR Only	138
db-port (ccn subsystem edbs dbprofile)—IVR Only	139
dbtype (ccn subsystem edbs dbprofile)—IVR Only	140
db-username (ccn subsystem edbs dbprofile)—IVR Only	141
default (ccn application)	142
default (ccn engine)	144
default (ccn reporting historical)	145
default (ccn subsystem edbs dbprofile)—IVR Only	146
default (ccn subsystem fax)—IVR Only	148
default (ccn trigger http)—IVR Only	149

default (ccn trigger jtapi)	150
default (ccn trigger sip)	151
default ccm-manager (ccn subsystem jtapi)	152
default ctiport (ccn subsystem jtapi)	153
default gateway (ccn subsystem sip)	154
default security password length min	155
default security pin length min	156
default-from (ccn subsystem fax)—IVR Only	157
description (ccn application)	158
description (backup-schedule)	159
description (ccn reporting historical)	160
description (kron schedule)	161
description (site)	162
disabled (backup-schedule)	163
disabled (kron-schedule)	164
dtmf-relay	165
E	169
email domain (network location id)	170
enable (IMAP)	172
enable (network location)	173
enable (VoiceView Express)	175
enabled (ccn application)	176
enabled (ccn reporting historical)	177
enabled (ccn subsystem edbs dbprofile)—IVR Only	178
enabled (ccn trigger http)—IVR Only	179
enabled (ccn trigger jtapi)	180
enabled (ccn trigger sip)	181
erase startup-config	182
exec-commands (aaa accounting event)	183
F	185
fallback-url (Cisco Unified Communications Manager Express Only)	186
fax gateway inbound address	188
fax gateway outbound address	190
fax print	191

G	193	
	gateway address (ccn subsystem sip)	194
	gateway port (ccn subsystem sip)	195
	greeting	196
	groupname	198
	groupname notification cascade-to after	201
	groupname privilege	203
	groupname profile (phone-device)	204
	groupname profile email	207
	groupname profile num-pager	210
	groupname profile text-pager	213
H	217	
	hostname	218
I	221	
	idletimeout (ccn trigger http)—IVR Only	222
	idletimeout (ccn trigger jtapi)	223
	idletimeout (ccn trigger sip)	224
	imap (aaa accounting event)	225
	ip domain-name	227
	ip name-server	228
K	229	
	kron schedule	230
L	231	
	license activate ivr sessions	233
	license activate ports	234
	license activate timecardview users	235
	license activate voicemail mailboxes	236
	license agent default authenticate	238
	license agent listener http	239
	license agent max-sessions	241
	license agent notify	242
	license clear	244
	license comment	245
	license install	246

license modify priority	248
license revoke	249
license save	252
line console	253
list name	254
list number	256
list number delete	257
list number description	258
list number member	259
list number owner	261
locale (ccn trigger http)—IVR Only	263
locale (ccn trigger jtapi)	264
locale (ccn trigger sip)	265
log console	266
log console monitor	268
log server	270
log trace boot	272
log trace buffer save	273
login (aaa accounting event)	274
login (config-line)	275
login-fail (aaa accounting event)	276
login pinless	277
logout (aaa accounting event)	278
M	279
maxactive (ccn subsystem edbs dbprofile)—IVR Only	280
maxsessions (ccn application)	281
maxsessions (ccn trigger http)—IVR Only	282
maxsessions (ccn trigger jtapi)	283
maxsessions (ccn trigger sip)	284
maxsessions (IMAP)	285
maxsteps (ccn engine)	287
messaging-gateway	288
messaging-gateway directory lookup	290
messaging-gateway directory lookup tui-prompt	291
messaging-gateway registration	292

mwi envelope-info	293
mwi refresh	294
mwi sip	295
mwiport	298
N	299
name (network location id)	300
network copy spokenname	301
network location	302
network location cache expiry	304
network location cache refresh	305
notification security login password	306
notification security login user	308
notification security pin password	310
notification security pin reset	312
notification security pin uid	314
ntp server	316
O	319
offline	320
open day	321
P	323
parameter (ccn application)	324
parameter (ccn subsystem edbs dbprofile)—IVR Only	326
privilege	327
purge notification (ccn reporting historical)	328
purge now (ccn reporting historical)	329
purge purge-capacity (ccn reporting historical)	330
purge schedule (ccn reporting historical)	331
purge warning-capacity (ccn reporting historical)	333
R	335
redirect-css cti-port	337
redirect-css route-point	338
reload	339
remote cache enable	340
remote copy spokenname	342

remote username fullname	343
remote username location	345
remote username phonenumber	347
repeat daily (backup-schedule)	349
repeat daily (kron-schedule)	350
repeat every (backup-schedule)	351
repeat every (kron-schedule)	353
repeat monthly (backup-schedule)	355
repeat monthly (kron-schedule)	356
repeat once (backup-schedule)	357
repeat once (kron-schedule)	358
repeat weekly (backup-schedule)	359
repeat weekly (kron-schedule)	360
repeat yearly (backup-schedule)	361
repeat yearly (kron-schedule)	362
restore	363
restore factory default	365
restriction create	367
restriction delete	368
restriction dial-string	369
restriction max-digits	371
restriction min-digits	372
retries (aaa-authentication)	373
retries (aaa-accounting)	374
S: script (ccn application) to show ccn trigger sip	
script (ccn application)	377
secure-messaging incoming (mailbox)	378
secure-messaging outgoing (mailbox)	379
security password	381
security password history depth	383
security password lockout enable	384
security password lockout policy	385
security password perm-lock max-attempts	387
security password temp-lock duration	388

security password temp-lock init-attempts	389
security password temp-lock max-attempts	391
security pin	392
security pin history depth	394
security pin lockout enable	395
security pin lockout policy	396
security pin perm-lock max-attempts	398
security pin temp-lock duration	399
security pin temp-lock init-attempts	400
security pin temp-lock max-attempts	402
security ssh	403
security ssh knownhost	405
service imap	407
service phone-authentication	408
service voiceview	410
service voiceview session terminate	412
session idletimeout (IMAP)	414
session idletimeout (VoiceView Express)	416
session security	418
show aaa accounting event	420
show aaa accounting service	421
show aaa policy	423
show backup	425
show backup history	427
show backup schedule detail job	430
show backup schedules	432
show backup server	433
show calendar biz-schedule	435
show calendar holiday	437
show call-agent	439
show ccn application	440
show ccn call application	442
show ccn call fax incoming	446
show ccn call route	447
show ccn document-IVR Only	451

- show ccn engine 454
- show ccn prompts 455
- show ccn reporting historical 457
- show ccn scripts 459
- show ccn sip subscription mwi 461
- show ccn status ccm-manager 462
- show ccn subsystem edbs dbprofile–IVR Only 463
- show ccn subsystem email–IVR Only 465
- show ccn subsystem fax–IVR Only 466
- show ccn subsystem jtapi 467
- show ccn subsystem sip 469
- show ccn trigger all 471
- show ccn trigger http–IVR Only 473
- show ccn trigger jtapi 475
- show ccn trigger sip 477

S: show clock detail to

- show remote users 479**
 - show clock detail 481
 - show crypto key 483
 - show fax configuration 485
 - show group detail groupname 487
 - show group profiles 489
 - show groups 490
 - show groups privileges 491
 - show hosts 492
 - show imap configuration 493
 - show imap sessions 495
 - show interface ide 497
 - show ip route 498
 - show kron schedules 500
 - show kron schedule detail job 501
 - show license all 503
 - show license detail 505
 - show license evaluation 508
 - show license expiring 510

show license feature	512
show license file	514
show license in-use	517
show license permanent	519
show license statistics	520
show license status	522
show license status application	524
show license udi	526
show lists detail private	527
show lists detail public	529
show lists owner	531
show lists public	532
show log	534
show logging	537
show logs	539
show memory	540
show messaging-gateway	542
show network detail local	544
show network detail location id	546
show network locations	548
show network locations cached	549
show network locations configured	550
show network queues	551
show notification configuration	553
show ntp associations	554
show ntp servers	562
show ntp source	564
show ntp status	567
show operations	569
show operations detail	571
show phone-authentication configuration	573
show privileges	575
show privilege detail	576
show processes	577
show remote cache	580

show remote user detail 581

show remote users 582

S: show restore history to system shutdown (aaa accounting event) 583

show restore history 586

show restriction-table 588

show running-config 590

show schedules 594

show schedule detail job 595

show security detail 596

show security ssh known-hosts 598

show site 599

show smtp server 601

show snmp configuration 603

show software 604

show software directory 606

show startup-config 608

show system language 610

show trace buffer 612

show trace store 614

show trace store-prev 616

show user detail username 618

show user profiles 620

show users 621

show users site 622

show version 623

show voicemail 625

show voicemail broadcast messages 633

show voicemail configuration 635

show voicemail conversation 636

show voicemail conversation caller caller-flow restriction-table 639

show voicemail fax restriction-table 641

show voicemail live-record 643

show voicemail live-reply 645

show voicemail live-reply restriction-table 647

show voicemail messages future 649

show voicemail msg-notification restriction-table	651
show voicemail non-subscriber restriction-table	653
show voicemail notification	655
show voicemail notification owner	658
show voicemail notification owner cascade	661
show voicemail notification queue	662
show voicemail notification restriction-table	664
show voicemail zero-out restriction-table	665
show voiceview configuration	667
show voiceview sessions	669
show web session security	671
show webapp-IVR Only	672
shutdown	673
site name	675
smtp server address	676
smtp server security	678
snmp-server community	679
snmp-server contact	681
snmp-server enable cueShutdownRequest	682
snmp-server enable traps	683
snmp-server host	684
snmp-server location	686
software download abort	687
software download clean	688
software download server	690
software download status	691
software download upgrade	692
software install clean	694
software install downgrade	697
software install upgrade	699
software remove	700
start-date (backup-schedule)	701
start-date (kron-schedule)	702
stop-date (backup-schedule)	703
stop-date (kron-schedule)	704

system language preferred **705**
 system-startup (aaa accounting event) **706**
 system-shutdown (aaa accounting event) **707**

T 709

timeout (aaa-accounting) **710**
 timeout (aaa-authentication) **711**
 trace management **712**
 trace networking all **714**
 trace networking database **715**
 trace networking dns **716**
 trace networking jobqueue **717**
 trace networking smtp **718**
 trace networking sysdb **719**
 trace networking vpim **720**
 trace snmp **721**
 transfer-mode **723**

U 725

username (configuration) **726**
 username (gateway configuration) **729**
 username generate **731**
 username notification cascade-to after **732**
 username profile (phone devices) **734**
 username profile email **737**
 username profile num-pager **740**
 username profile text-pager **743**
 username site **746**

V 747

voice mailbox copy owner **749**
 voice mailbox delete owner **750**
 voice mailbox owner **751**
 voice mailbox unlock **754**
 voicemail broadcast message **755**
 voicemail broadcast message delete **756**
 voicemail broadcast mwi **757**

voicemail broadcast recording time	758
voicemail broadcast vpim-id	760
voicemail callerid	761
voicemail capacity time	763
voicemail configuration outgoing-email from-address	764
voicemail conversation address-by	765
voicemail conversation caller caller-flow restriction-table	766
voicemail conversation caller multi-msgs-any-mbx	767
voicemail conversation caller multi-msgs-same-mbx	768
voicemail conversation caller recording-prompt	769
voicemail conversation subscriber msg-properties brief	770
voicemail conversation subscriber msg-properties day-of-week	771
voicemail conversation subscriber play-gdm-summary	772
voicemail default	773
voicemail default biz-schedule	775
voicemail default broadcast expiration time	776
voicemail extension-length (network location id)	777
voicemail fax restriction	778
voicemail live-record beep duration	779
voicemail live-record beep interval	780
voicemail live-record pilot-number	781
voicemail live-reply calling-number-rule	782
voicemail live-reply enable	784
voicemail live-reply network precedence	785
voicemail live-reply restriction	787
voicemail mailbox-selection	788
voicemail message future delete	790
voicemail non-subscriber restriction	791
voicemail notification allow-login	792
voicemail notification cascading enable	794
voicemail notification connect-timeout	795
voicemail notification email attach	797
voicemail notification enable	799
voicemail notification owner	801
voicemail notification preference	803

voicemail notification text prefix 805

voicemail notification text suffix 807

voicemail operator telephone 809

voicemail phone-prefix (network location id) 810

voicemail recording time 811

voicemail secure-messaging outgoing 812

voicemail secure-messaging (location) 814

voicemail spoken-name (network location id) 815

voicemail vcard 816

voicemail vpim-encoding (network location id) 818

voicemail zero-out restriction 819

W 821

web admin cme hostname 822

web credentials hidden (site) 823

web session security 824

web skipinitwizard 825

web username password (site) 826

webapp delete–IVR Only 827

webapp deploy–IVR Only 828

webapp reload–IVR Only 830

webapp start–IVR Only 831

webapp stop–IVR Only 832

write 833

X 835

xml credentials hidden (site) 836

xml username password (site) 837

Z 839

zerooutnumber 840

Index



Using Cisco Unity Express Software

Last Updated: May 1, 2006

This chapter provides helpful tips for understanding and configuring Cisco Unity Express software using the command-line interface (CLI). It contains the following sections:

- [Understanding Command Modes, page 19](#)
- [Entering the Command Environment, page 21](#)
- [Getting Help, page 22](#)
- [Using the no and default Forms of Commands, page 22](#)
- [Saving Configuration Changes, page 22](#)
- [Identifying Supported Platforms, page 23](#)

Understanding Command Modes

The Cisco Unity Express CLI commands have a structure very similar to that of Cisco IOS CLI commands. However, the Cisco Unity Express CLI commands do not affect Cisco IOS configurations. After you have logged in to the Cisco Unity Express module, the command environment is no longer the Cisco IOS environment.

The Cisco Unity Express command environment is divided into two modes:

- **EXEC**—This is the mode that you are in after you log in to the Cisco Unity Express command environment. Cisco Unity Express EXEC commands affect the system's parameters in different ways. Some commands only display or clear parameter values, stop or start the entire system, or start troubleshooting procedures. However, unlike Cisco IOS EXEC mode, Cisco Unity Express EXEC mode has a few commands that change parameter values. These changes are stored in the module's flash memory, rather than in the startup configuration, so that the system has some minimum information available if a catastrophic event, such as a power or disk failure, occurs.
- **Configuration**—This mode permits you to make system configuration changes, which are stored in the running configuration. If you later save the running configuration to the startup configuration, the changes made with the configuration commands are restored when the software is rebooted.

Cisco Unity Express configuration mode has several subconfiguration levels. The global configuration mode changes the command environment from EXEC to configuration. You can modify many software parameters at this level. However, certain configuration commands change the environment to more specific configuration modes where modifications to the system are entered. For example, the **ccn application** command changes the environment from config to config-application. At this point, you can enter or modify application parameter values.

The commands available to you at any given time depend on the mode that you are currently in. Entering a question mark (?) at the CLI prompt displays a list of commands available for each command mode. The descriptions in this command reference indicate each command's environment mode.

Table 1 describes how to access and exit various common command modes of the Cisco Unity Express software. It also shows examples of the prompts displayed for each mode.

Table 1 Accessing and Exiting Command Modes

Command Mode	Access Method	Prompt	Exit Method
Cisco Unity Express EXEC	When the Cisco Unity Express software prompt appears, enter the enable command.	se-10-0-0-0#	Press CTRL-SHIFT-6 , and then enter x .
Cisco Unity Express configuration	From EXEC mode, use the configure terminal command.	se-10-0-0-0(config)#	To return to EXEC mode from configuration mode, use the end or exit command.
Mailbox	From Cisco Unity Express configuration mode, use the voice mailbox owner command.	se-10-0-0-0(config-mailbox)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
SIP	From Cisco Unity Express configuration mode, use the ccn subsystem sip command.	se-10-0-0-0(config-sip)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
Engine	From Cisco Unity Express configuration mode, use the ccn engine command.	se-10-0-0-0(config-engine)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
Application autoattendant	From Cisco Unity Express configuration mode, use the ccn application AutoAttendant command.	se-10-0-0-0(config-application)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
JTAPI configuration ¹	From Cisco Unity Express configuration mode, use the ccn subsystem jtapi command.	se-10-0-0-0(config-jtapi)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
Trigger configuration	From Cisco Unity Express configuration mode, use the ccn trigger sip phonenum number command.	se-10-0-0-0(config-trigger)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
Network location	From Cisco Unity Express configuration mode, use the network location command.	se-10-0-0-0(config-location)#	To return to Cisco Unity Express configuration mode, use the end or exit command.
Business schedule	From Cisco Unity Express configuration mode, use the calendar biz-schedule command.	se-10-0-0-0(config-business)#	To return to Cisco Unity Express configuration mode, use the end or exit command.

1. This configuration mode is supported only on Cisco Unity Express licenses for Cisco Unified Communications Manager (formerly known as Cisco Unified CallManager).

Entering the Command Environment

Use this procedure to enter the command environment.

Prerequisites

The following information is required to enter the command environment:

- IP address of the router that contains the Cisco Unity Express module
- Username and password to log in to the router
- Slot number of the module

SUMMARY STEPS

1. Open a Telnet session.
2. **telnet** *ip-address*
3. Enter the user ID and password of the router.
4. **service-module service-engine** *slot/port session*
5. **enable**

DETAILED STEPS

	Command or Action	Purpose
Step 1	Open a Telnet session.	Use a DOS window, a secure shell, or a software emulation tool such as Reflection.
Step 2	telnet <i>ip-address</i> Example: C:\> telnet 172.16.231.195	Specifies the IP address of the Cisco Unified Communications Manager router.
Step 3	Username: Password:	Enter your user ID and password for the router.
Step 4	service-module service-engine <i>slot/port session</i> Example: Router# service-module service-engine 1/0 session	Enters the Cisco Unity Express command environment using the module located in the specified <i>slot</i> and <i>port</i> . The prompt changes to “se” with the IP address of the Cisco Unity Express module. Note If the message “Trying <i>ip-address slot/port</i> ... Connection refused by remote host” appears, enter the command service-module service-engine <i>slot/port session clear</i> and try Step 4 again.
Step 5	enable Example: se-10-0-0-0# enable	Enters Cisco Unity Express EXEC mode. You are ready to begin the configuration tasks.

Getting Help

Entering a question mark (?) at the CLI prompt displays a list of commands available for each command mode. You can also get a list of keywords and arguments associated with any command by using the context-sensitive help feature.

To get help specific to a command mode, a command, a keyword, or an argument, use one of the following commands:

Command	Purpose
<code>help</code>	Provides a brief description of the help system in any command mode.
<code>abbreviated-command-entry?</code>	Provides a list of commands that begin with a particular character string. (No space between command and question mark.)
<code>abbreviated-command-entry<Tab></code>	Completes a partial command name.
<code>?</code>	Lists all commands available for a particular command mode.
<code>command ?</code>	Lists the keywords or arguments that you must enter next on the command line. (Space between command and question mark.)

Using the no and default Forms of Commands

Where available, use the **no** form of a command to disable a function. Use the command without the **no** keyword to reenable a disabled function or to enable a function that is disabled by default. The command reference entry for each command provides the complete syntax for the configuration commands and describes what the **no** form of a command does.

Configuration commands can also have a **default** form, which returns the command settings to the default values. In those cases where a command is disabled by default, using the **default** form has the same result as using the **no** form of the command. However, some commands are enabled by default and have variables set to certain default values. In these cases, the **default** form of the command enables the command and sets the variables to their default values. Where available, the command reference entry describes the effect of the **default** form of a command if the command functions differently than the **no** form.

Saving Configuration Changes

Starting in Cisco Unity Express EXEC mode, use the following command to copy the running configuration in flash memory to another location:

```
copy running-config {ftp:user-id:password@ftp-server-address[/directory] |
startup-config | tftp:ftp-server-address} filename
```

Keyword or Argument	Description
<code>ftp:user-id:password@</code>	User ID and password for the FTP server. Include the colon (:) and the at sign (@) in your entry.
<code>ftp-server-address</code>	IP address of the FTP server.
<code>/directory</code>	(Optional) Directory on the FTP server where the copied file will reside. If you use it, precede the name with the forward slash (/).

startup-config	Startup configuration in flash memory.
tftp:ftp-server-address	IP address of the TFTP server.
<i>filename</i>	Name of the destination file that will contain the copied running configuration.

When you copy the running configuration to the startup configuration, enter the command on one line. In the following example, the running configuration is copied to the startup configuration as file start. In this instance, enter the command on a single line.

```
se-10-0-0-0# copy running-config startup-config start
```

When you copy to the FTP or TFTP server, this command becomes interactive and prompts you for the information. You cannot enter the parameters on one line. The following example illustrates this process. In the following example, the running configuration is copied to the FTP server, which requires a user ID and password. The IP address of the FTP server is 172.16.231.193. The running configuration is copied to the configs directory as file saved_start.

```
se-10-0-0-0# copy running-config ftp:
Address or name of remote host? admin:voice@172.16.231.193/configs
Source filename? saved_start
```

Identifying Supported Platforms

Cisco IOS software is packaged in feature sets consisting of software images that support specific platforms. Specific software images are required to support the Cisco Unity Express network module or AIM hardware. The feature sets available for a specific platform depend on which Cisco IOS software images are included in a release. To identify the set of software images available in a specific release or to find out if a feature is available in a given Cisco IOS software image, see the following section.

Using Feature Navigator

Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS software images support a particular set of features and which features are supported in a particular Cisco IOS image.

Feature Navigator is available 24 hours a day, 7 days a week. To access Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, e-mail the Contact Database Administration group at cdbadmin@cisco.com. If you do not have an account on Cisco.com, go to <http://www.cisco.com/register> and follow the directions to establish an account.

To use Feature Navigator, you must have a JavaScript-enabled web browser such as Netscape 3.0 or later, or Internet Explorer 4.0 or later. Internet Explorer 4.0 always has JavaScript enabled. To enable JavaScript for Netscape 3.x or Netscape 4.x, follow the instructions provided with the web browser. For JavaScript support and enabling instructions for other browsers, check with the browser vendor.

Feature Navigator is updated when major Cisco IOS software releases and technology releases occur. You can access Feature Navigator at the following URL:

<http://www.cisco.com/go/fn>



A

Last Updated: January 12, 2009

[aaa accounting enable](#)
[aaa accounting event](#)
[aaa accounting server remote](#)
[aaa authentication server remote](#)
[aaa policy system](#)
[abbreviation \(network location id\)](#)
[address \(aaa-accounting\)](#)
[address \(aaa-authentication\)](#)
[application \(ccn trigger http\)–IVR Only](#)
[application \(ccn trigger jtapi\)](#)
[application \(ccn trigger sip\)](#)
[authentication-order \(aaa-policy\)](#)
[authorization merge-attributes \(aaa-policy\)](#)

aaa accounting enable

To enable or disable the recording of AAA accounting events, use the **aaa accounting enable** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to restore the default setting (AAA accounting is disabled).

aaa accounting enable

no aaa accounting enable

default aaa accounting enable

Syntax Description This command has no arguments or keywords.

Command Default The recording of AAA accounting events is disabled.

Command Modes Cisco Unity Express configuration (config)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines When accounting is disabled, no accounting records are generated, including records sent to the syslog. Therefore, all accounting data that is locally cached is discarded and new accounting events are not recorded.

Examples The following example disables AAA accounting:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# default aaa accounting enable
```

Related Commands	Command	Description
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

aaa accounting event

To enter AAA accounting submode and configure event filtering for accounting packets, use the **aaa accounting event** command in Cisco Unity Express configuration mode.

aaa accounting event

Syntax Description This command has no arguments or keywords.

Command Default None.

Command Modes Cisco Unity Express configuration (config)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines In AAA accounting submode you can enable/disable the logging of:

- Configuration mode commands
- EXEC mode commands
- IMAP events
- Failed login attempts
- Login events
- Logout events
- System startup events
- System shutdown events

Examples The following example shows how to enter AAA accounting submode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# login
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

aaa accounting server remote

To enter AAA accounting submode and configure the AAA accounting server, use the **aaa accounting server remote** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to delete the AAA configuration.

aaa accounting server remote

no aaa accounting server remote

default aaa accounting server remote

Syntax Description This command has no arguments or keywords.

Command Default No AAA accounting information is configured.

Command Modes Cisco Unity Express configuration (config)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines After using this command to enter AAA accounting submode, you can configure the following AAA accounting server properties:

- IP address or fully qualified domain name of the accounting server
- Maximum number of times an accounting request is retried before the accounting fails
- Number of seconds to wait before a request is considered to be unanswered

Examples The following example sets the AAA accounting timeout to 10 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 10
```

Related Commands	Command	Description
	show aaa accounting service	Shows the login information configured for the AAA accounting server.

aaa authentication server remote

To enter AAA authentication submode and configure the AAA authentication [server](#), use the **aaa authentication server remote** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to delete the AAA configuration.

aaa authentication server remote

no aaa authentication server remote

default aaa authentication server remote

Syntax Description This command has no arguments or keywords.

Command Default No AAA authentication information is configured.

Command Modes Cisco Unity Express configuration (config)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines After using this command to enter AAA authentication submode, you can configure the following AAA server authentication properties:

- IP address or fully qualified domain name of the authentication server
- Maximum number of times an authentication request is retried before the authentication fails
- Number of seconds to wait before a request is considered to be unanswered

Examples The following example sets the AAA authentication timeout to 10 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 10
```

Related Commands	Command	Description
	address (aaa-authentication)	Sets the IP address or DNS hostname for AAA authentication server.

aaa policy system

To enter AAA policy submode and configure the system AAA policy, use the **aaa policy system** command in Cisco Unity Express configuration mode. Use the **no** form of this command to restore the commands in this submode to their default values.

aaa policy system

no aaa policy system

Syntax Description

This command has no arguments or keywords.

Defaults

No AAA policy is configured.

Command Modes

Cisco Unity Express configuration (config)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

The AAA policy controls the behavior of authentication and authorization.

Examples

The following example sets the authorization merge attributes of the AAA policy:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa policy system
se-10-0-0-0(aaa-policy)# authorization merge attributes
```

Related Commands

Command	Description
show aaa policy	Shows the AAA policy settings.

abbreviation (network location id)

To create an alphanumeric abbreviation for a Cisco Unity Express network location, use the **abbreviation** command in Cisco Unity Express location configuration mode. To delete an abbreviation, use the **no** form of this command.

abbreviation *name*

no abbreviation *name*

Syntax Description

<i>name</i>	Alphanumeric abbreviation for the location that is spoken to a subscriber when the subscriber performs addressing functions in the telephone user interface.
-------------	--

Defaults

The default abbreviation is an empty string.

Command Modes

Cisco Unity Express location configuration

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced.

Usage Guidelines

You cannot enter more than 5 characters.

Examples

The following example shows an abbreviation for a Birmingham remote voice-mail location:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 1
se-10-0-0-0(config-location)# abbreviation bham
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
show network locations	Displays the name and abbreviation of the network locations.

address (aaa-accounting)

To define the access parameters for the AAA accounting server, use the **address** command in Cisco Unity Express AAA accounting configuration mode. Use the **no** form of this command to remove the server definition.

```
address address [port port] {secret string | credentials hidden hidden}
```

```
no address address [port port] {secret string | credentials hidden hidden}
```

Syntax Description

address	IP address or fully qualified domain name of the accounting server.
port port	(Optional) Port that will receive AAA accounting traffic. The default value is 1813.
secret string	Unencrypted shared secret used to access the server and encrypt sensitive information, such as the user's password. You must configure the secret on both the AAA server and Cisco Unity Express with the same value. RADIUS servers do not accept packets from clients that they do not share a secret with. You must enter the secret in clear text.
credentials hidden hidden	Encrypted shared secret used to access the server and encrypt sensitive information, such as the user's password. This secret is encrypted when displayed. You must configure the secret on both the AAA server and Cisco Unity Express with the same value. RADIUS servers do not accept packets from clients that they do not share a secret with.

Defaults

No AAA accounting server is configured.

Command Modes

Cisco Unity Express AAA accounting configuration (aaa-accounting)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

You can configure up to two server addresses to provide failover functionality when the first address is unreachable. This is done by entering this CLI multiple times for each server.

Examples

The following example configures an AAA accounting server with an IP address of 10.20.20.1:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting server remote
se-10-0-0-0(aaa-accounting)# address 10.20.20.1 secret "GixGRq8cUmGIZDg9c8oX9Enf
GWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B
35j0nfGWTYHfmP"
```

Related Commands	Command	Description
	aaa accounting server remote	Enters aaa-accounting submode and configures the AAA accounting server.

address (aaa-authentication)

To define the access parameters for the AAA authentication server, use the **address** command in Cisco Unity Express AAA authentication configuration mode. Use the **no** form of this command to remove the server definition.

```
address address [port port] {secret string | credentials hidden hidden}
```

```
no address address [port port] {secret string | credentials hidden hidden}
```

Syntax Description

address	IP address or fully qualified domain name of the authentication server.
port <i>port</i>	(Optional) Port that will receive AAA authentication traffic. The default value is 1812.
secret <i>string</i>	Shared secret used to access the server and encrypt sensitive information, such as the user's password. You must configure the secret on both the AAA server and Cisco Unity Express with the same value. RADIUS servers do not accept packets from clients that they do not share a secret with. You must enter the secret in clear text.
credentials hidden <i>hidden</i>	Encrypted shared secret used to access the server and encrypt sensitive information, such as the user's password. This secret is encrypted when displayed. You must configure the secret on both the AAA server and Cisco Unity Express with the same value. RADIUS servers do not accept packets from clients that they do not share a secret with.

Defaults

No AAA authentication server is configured.

Command Modes

Cisco Unity Express AAA authentication configuration (aaa-authentication)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

You can configure up to two server addresses to provide failover functionality when the first address is unreachable. This is done by entering this CLI multiple times for each server. All servers configured with this CLI are assumed to have the same user database so authentication failover will not traverse this list of servers if a user is not successfully authenticated.

When you view the configuration of the AAA accounting server using the **show running-config** command or **show startup-config** command, the hidden credentials are not displayed in clear text.

Examples

The following example configures an AAA authentication server with an IP address of 10.20.20.1:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa authentication server remote
se-10-0-0-0(aaa-authentication)# address 10.20.20.1 secret "GixGRq8cUmGIZDg9c8oX9Enf
GWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B
35j0nfGWTYHfmP"
```

Related Commands

Command	Description
aaa authentication server remote	Enters aaa-authentication submode and configures the AAA authentication server.

application (ccn trigger http)–IVR Only

To specify the name of the application to start when an HTTP trigger is entered, use the **application** command in Cisco Unity Express trigger configuration mode.

application *application-name*

Syntax Description	<i>application-name</i>	Specifies the name of the application to start when the trigger is entered.
---------------------------	-------------------------	---

Defaults	There is no default application name.	
-----------------	---------------------------------------	--

Command Modes	Cisco Unity Express trigger configuration mode	
----------------------	--	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples	The following example specifies that the <i>myapplication</i> application will start when the <i>myhttpapp</i> trigger is entered.
-----------------	--

```
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)# application myapplication
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 parameters. Use the show ccn trigger http command option to display the Cisco Unity Express IVR HTTP-based trigger parameters.

application (ccn trigger jtapi)

To specify the name of the application to start when a trigger is entered, use the **application** command in Cisco Unity Express configuration trigger mode.

application *name*

Syntax Description

name	Specifies the name of the application to start when the trigger is entered.
------	---

Command Modes

CCN configuration trigger mode

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 the **application** command to specify the name of the application to start when the trigger is entered.

Examples

The following example specifies that the myapp application will start when the 1234 trigger is entered.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger jtapi 1234
se-10-0-0-0(config-trigger)# application myapp
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 trigger configuration mode.
show ccn trigger all	Displays the CCN trigger details.

application (ccn trigger sip)

To specify the name of the application to start when a trigger is entered, use the **application** command in Cisco Unity Express configuration trigger mode.

application *name*

Syntax Description

name	Specifies the name of the application to start when the trigger is entered.
------	---

Command Modes

CCN configuration trigger mode

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 the **application** command to specify the name of the application to start when the trigger is entered.

Examples

The following example specifies that the myapp application will start when the 1234 trigger is entered.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger sip 1234
se-10-0-0-0(config-trigger)# application myapp
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 trigger configuration mode.
show ccn trigger all	Displays the CCN trigger details.

authentication-order (aaa-policy)

To specify the order in which to query the remote authentication servers and local authentication database, use the **authentication-order** command in Cisco Unity Express AAA policy configuration mode. Use the **no** or **default** form of this command to return the authentication order to “local only.”

authentication-order {remote [local] | local [remote]}

no authentication-order

default authentication-order

Syntax Description

remote	Query the remote authentication servers
local	Query the local authentication database

Defaults

Local authentication only (**authentication-order local**)

Command Modes

Cisco Unity Express AAA policy configuration (aaa-policy)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

You can configure any of the following modes of querying the remote authentication servers and local authentication database.

- Local authentication database only
- Local authentication database, then remote authentication servers
- Remote authentication servers only
- Remote authentication servers, then local authentication database

In any case, if an attribute exists only on the AAA server or locally, the attribute is selected and used.

Examples

The following example configures AAA to query the authentication servers only:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa policy system
se-10-0-0-0(aaa-policy)# authentication-order remote
```

Related Commands

Command	Description
aaa policy system	Enters aaa-policy submode and configures the system AAA policy.
show aaa policy	Shows the AAA policy settings.

authorization merge-attributes (aaa-policy)

To specify whether the user attributes that are retrieved from an AAA server will be merged with attributes for the same username found in the local user database, use the **authorization merge-attributes** command in Cisco Unity Express AAA policy configuration mode. Use the **no** or **default** form of this command to restore the default value.

authorization merge-attributes

no authorization merge-attributes

default authorization merge-attributes

Syntax Description This command has no arguments or keywords.

Defaults Default remote attributes are merged with local attributes.

Command Modes Cisco Unity Express AAA policy configuration (aaa-policy)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

When the merge-attributes feature is enabled and a user attribute list exists on both the AAA server and the local user database, the local and remote AAA server attribute lists are combined and duplicates are eliminated. If the same scalar user attribute is present on the AAA server and local user database, a merge is not possible and the attribute from the AAA server is selected.

When the merge-attributes feature is disabled, the user attributes from the AAA server are always selected over local user database attributes if the same attribute is defined for both locations.

In either case, if an attribute exists only on the AAA server or locally, the attribute is selected and used.

Examples

The following example enables the merge-attributes feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa policy system
se-10-0-0-0(aaa-policy)# authorization merge attributes
```

Related Commands

Command	Description
aaa policy system	Enters aaa-policy submode and configures the system AAA policy.
show aaa policy	Shows the AAA policy settings.



B

Last Updated: March 31, 2011

[backup](#)

[backup categories](#)

[backup category](#)

[backup notification](#)

[backup schedule](#)

[backup schedule disable all](#)

[backup security enforced](#)

[backup security key](#)

[backup security key](#)

[backup server authenticate](#)

[banner login](#)

backup

To set the backup parameters, use the **backup** command in Cisco Unity Express configuration mode. To delete the number of revisions or the backup server URL, use the **no** form of this command.

```
backup { revisions number | server url ftp-url username ftp-username password ftp-password }
```

```
no backup { revisions number | server url ftp-url }
```

Syntax Description

revisions <i>number</i>	Number of revision files stored in the Cisco Unity Express database.
server url <i>ftp-url</i>	URL to the FTP (or secure FTP) server where the backup files will be stored.
username <i>ftp-username</i>	User ID needed to access the FTP (or secure FTP) server.
password <i>ftp-password</i>	Password needed to access the FTP (or secure FTP) server.

Command Modes

Cisco Unity Express configuration

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.
3.0	This command was modified to allow you to use a backup server that supports SFTP.

Usage Guidelines

Set these parameters before backing up any files.

Consider the amount of storage space that each backup file requires when setting the number of files to store. When the number is reached, the next backup file overwrites the oldest stored backup file.

The system automatically numbers and dates the backup files and identifies the revision number in a **backupid** field. Reference this backup ID value when restoring a file.

Performing different backup types at various times causes different backup IDs for data backups and configuration backups. For example, the last data backup ID might be 3 and the last configuration backup might be 4. Performing an **all** backup might result in a backup ID of 5 for both data and configuration. See the [backup category](#) command for information about different backup types.

For secure FTP, the URL is of the form `sftp://...`

Examples

The following example sets 7 revisions on FTP server /branch/vmbackups.

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# backup revisions 7
se-10-0-0-0(config)# backup server url ftp://branch/vmbackups username admin password
mainserver
```

The following example sets 5 revisions on a secure FTP server /vmbackups.

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# backup revisions 5
se-10-0-0-0(config)# backup server url sftp://vmbackups username admin password mainserver
```

Related Commands

Command	Description
backup category	Specifies the type of data to be backed up.
show backup history	Displays statistics for backed-up files.
show backup server	Displays the FTP server designated to store backup files.

backup categories

To specify which categories of data to backup for scheduled backups, use the **backup categories** command in Cisco Unity Express scheduled backup configuration mode.

backup categories [**all**] [**configuration**] [**data**] [**HistoricalData**] [**TimeCardView**]

Syntax Description		
	all	Backup all categories of data.
	configuration	Backup configuration data.
	data	Backup data.
	HistoricalData	Backup historical data.
	TimeCardView	Backup data for the Time Card View application

Command Default None.

Command Modes Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines You can specify multiple categories of data. This command applies to scheduled backups only. To set categories for non-scheduled backups, see the [backup category](#) command.

Examples The following example specifies that only configuration data will be backed up in the scheduled backup:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup schedule
Your new JOB ID is 22
se-10-0-0-0(backup-schedule)# backup categories configuration
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

backup category

To specify the type of data to be backed up, use the **backup category** command in Cisco Unity Express offline mode.

backup category {all | configuration | data}

Syntax Description	all	Backs up all data.
	configuration	Backs up only system and application settings.
	data	Backs up only voice-mail messages and application data.

Defaults All data is backed up.

Command Modes Cisco Unity Express offline

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 This command indicates the type of Cisco Unity Express data to be backed up to the FTP server. When the backup procedure begins, all active calls are terminated. In Version 1.0, Cisco Unity Express does not support scheduled restores. Consider doing the backup procedure when the telephones are least active.

Examples The following examples illustrate all the backup categories:

```
se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category all
se-10-0-0-0(offline)# continue
se-10-0-0-0#
```

```
se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
```

```

Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category configuration
se-10-0-0-0(offline)# continue
se-10-0-0-0#

se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category data
se-10-0-0-0(offline)# continue
se-10-0-0-0#

```

Related Commands

Command	Description
continue	Activates the backup or restore process.
offline	Initiates Cisco Unity Express offline mode.
show backup history	Displays details about backed-up files.
show backup server	Displays details about the backup server.

backup notification

To configure the system to notify users about the scheduled backup status, use the **backup notification** command in Cisco Unity Express backup-schedule configuration mode. To disable the backup notification, use the **no** form of this command.

```

backup notification on {success | failure | always} {voicemail user_id | email email_address |
epage epage_address}
no backup notification on {success | failure | always} {voicemail user_id | email email_address
| epage epage_address}

```

Syntax Description

success	Specifies to send a backup notification only if the backup is a success.
failure	Specifies to send a backup notification only if the backup fails.
always	Specifies to always send a backup notification regardless of whether the backup succeeds or fails.
voicemail <i>user_id</i>	Specifies to send the backup notification to a voicemail user-id.
email <i>email_address</i>	Specifies to send the backup notification to an email address.
epage <i>epage_address</i>	Specifies to send the backup notification to an epage address,

Defaults

No default.

Command Modes

Cisco Unity Express backup-schedule configuration

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

This command can be entered multiple times to add more notification targets, with a maximum of three targets for each kind (voicemail, email or epage).

Examples

The following example configures multiple targets to be notified of the scheduled backup status.

```

se-10-0-0-0# backup schedule 22
se-10-0-0-0(backup schedule)# backup notification always email sysadmin@digg.com
se-10-0-0-0(backup schedule)# backup notification on failure email e@cisco
se-10-0-0-0(backup schedule)# backup notification always pager email2@com
se-10-0-0-0(backup schedule)# backup notification always voicemail admin

```

Related Commands

Command	Description
show backup history	Displays details about backed-up files.
show backup schedule detail job	Shows all configured recurring scheduled backup jobs.

backup schedule

To configure a one-time or recurring scheduled backup, use the **backup schedule** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration of the backup job.

backup schedule [*name*]

no backup schedule *name*

Syntax Description	<i>name</i>	(Optional) Specifies the name used to create, modify, or delete a scheduled backup job. It can be up to three characters long and include the characters A through Z, 0 through 9, underscore, and hyphen (-).
---------------------------	-------------	--

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express EXEC mode
----------------------	-------------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enters backup-schedule mode and enables you to configure one-time or recurring backup jobs.
-------------------------	--

If you do not provide a name when you enter the command, one is automatically selected and displayed. If the maximum number of schedules reached and the system is unable to create the scheduled backup job using the specified parameters, an error message is display.

To create a one time backup job, enter the time of day and the date as input.

For recurring backup jobs, you can configure the jobs to repeat:

- Every N days at a specific time
- Every N weeks on specific day and time
- Every N months on a specific day of the month and time
- Every N years on a specific month

You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples

The following example configures a scheduled backup to occur every 7 days at 11:00pm:

```
se-10-0-0-0# backup schedule
Your new JOB ID is 22
se-10-0-0-0(backup-schedule)# repeat every 7 days at 23:00
```

Related Commands

Command	Description
repeat every (backup-schedule)	Specifies how often a recurring scheduled backup occurs.
show backup schedule detail job	Shows all configured recurring scheduled backup jobs.

backup schedule disable all

To disable all scheduled backups, use the **backup schedule disable all** command in Cisco Unity Express backup-schedule configuration mode. Use the **no** form of this command to reenable all scheduled backups.

backup schedule disable all from *date to date*

no backup schedule disable all

Syntax Description

from <i>date</i>	Specifies the date from which all scheduled backups are disabled. The format is MM/DD/YYYY.
until <i>date</i>	Specifies the date until which all scheduled backups are disabled. The format is MM/DD/YYYY.

Command Default

None.

Command Modes

Cisco Unity Express EXEC mode

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines

The format for the date is month, day, and then year (for example: 05/302010).

Examples

The following example disables all scheduled backups from July 6, 2010 to July 8, 2010:

```
se-10-0-0-0# backup schedule disable all from 07/06/2010 to 07/08/2010
```

Related Commands

Command	Description
repeat every (backup-schedule)	Specifies how often a recurring scheduled backup occurs.
show backup schedule detail job	Shows all configured recurring scheduled backup jobs.

backup security enforced

To specify that only protected and untampered backup files can be restored, use the **backup security enforced** command in Cisco Unity Express configuration mode.

backup security enforced

Syntax Description

This command has no arguments or keywords.

Command Default

All of the following types of backup files are restored:

- Unprotected (clear)
- Protected
- Untampered

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Before you can use this command, you must generate a backup security key by using the **backup security key generate** command.

Use the **backup security enforced** command in Cisco Unity Express configuration mode to specify that only protected and untampered backup files can be restored. By default, the system also restores unprotected (clear) backup files as well, as protected backup files and untampered backup files.

Examples

The following example specifies that only protected and untampered backup files can be restored:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security enforced
```

Related Commands

Command	Description
backup security enforced	Creates or deletes the master key used for encrypting and signing the backup files.
backup security key	Enables secure mode for backups.

backup security key

To create or delete the master key used for encrypting and signing the backup files, use the **backup security key** command in Cisco Unity Express configuration mode.

backup security key {generate | delete}

Syntax	Description
generate	Creates a master key.
delete	Deletes a master key.

Command Default No key is configured.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **backup security key** command in Cisco Unity Express configuration mode to create or delete the master key used for encrypting and signing the backup files. When creating a backup security key, you are prompted to enter the password from which the key will be derived.

This command will not be saved in the startup configuration when you use the **write** command.

Examples The following example creates a master key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security key generate
Please enter the password from which the key will be derived: *****
```

The following example deletes a master key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security key delete
You have a key with magic string cfbdbbee
Do you want to delete it [y/n]?:
```

Related Commands	Command	Description
	backup security enforced	Specifies that only protected and untampered backup files can be restored.
	backup security key	Enables secure mode for backups.

backup security protected

To enable secure mode for backups, use the **backup security protected** command in Cisco Unity Express configuration mode.

backup security protected

Syntax Description This command has no arguments or keywords.

Command Default Backup files are stored in unprotected mode on the remote server.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Before using this command, you must generate backup security key by using the **backup security key generate** command.

Use the **backup security protected** command in Cisco Unity Express configuration mode to enable secure mode for backups. In secure mode, all backup files are protected using encryption and a signature.

Examples The following example enables secure mode for backups:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup security protected
```

Related Commands	Command	Description
	backup security enforced	Specifies that only protected and untampered backup files can be restored.
	backup security enforced	Creates or deletes the master key used for encrypting and signing the backup files.

backup server authenticate

To retrieve the fingerprint of the backup server's host key, use the **backup server authenticate** command in Cisco Unity Express configuration mode.

backup server authenticate

Syntax Description This command has no arguments or keywords.

Command Default This command has no default value.

Command Modes Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **backup server authenticate** command in Cisco Unity Express configuration mode to retrieve the fingerprint of the backup server's host key. Before using this command, users must configure the backup server URL and the login credential. The backup server URL must start with "sftp://." After the fingerprint is retrieved from the backup server, the system prompts the user for confirmation.

If this command is accepted, the fingerprint is stored in the form of "backup server authenticate fingerprint *fingerprint-string*" in the running configuration. This command will not be saved in the startup configuration when you use the **write** command.

Examples

The following example retrieves the fingerprint of the backup server's host key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup server authenticate
The fingerprint of host 10.30.30.100 (key type ssh-rsa) is:
  a5:3a:12:6d:e9:48:a3:34:be:8f:ee:50:30:e5:e6:c3
Do you want to accept it [y/n]?
```

Related Commands

Command	Description
security ssh	Configures the MD5 (Message-Digest algorithm 5) fingerprint of the SSH (Secure Shell) server's host key.
show security ssh known-hosts	Displays a list of configured SSH (Secure Shell) servers and their fingerprints.

banner login

To configure the login banner, use the **banner login** command in Cisco Unity Express EXEC mode. Use the **no** or **default** form of the command to remove the login banner.

banner login {*delimiter-char banner-content delimiter-char* | **append**}

no banner login

default banner login

Syntax Description

<i>delimiter-char</i>	Character that indicates the beginning and end of the banner text.
<i>banner-content</i>	Text content of the banner.
append	Appends additional text to the banner.

Command Default

No login banner is configured.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

This command configures a system wide login banner that is displayed to all users when they log in. This command requires a delimiter character that signals the end of banner content input. The delimiter character can be any printable character except ? and “. The delimiter character must not occur in the banner content or the banner input will be ended prematurely. The banner contains plain text (no special formatting) and can have up to 1944 characters (including new lines). You can enter multiline input as the banner content.

The banner command is a multi-line command. The banner-content can be one or more lines. You can include the following tokens in the banner-content to represent system settings.

token	Information displayed in the banner
\$(hostname)	Displays the hostname for the module.
\$(domain)	Displays the domain for the module.

If you enter a banner that exceeds the allowed length, the command stops accepting input, truncates the message at the maximum length, outputs an error message, and returns to global configuration.

Examples

The following example configures the banner login to “Welcome to *hostname*.”

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# banner login %
Enter TEXT message. End with the character '%'.
    Welcome to $(hostname)%
se-10-0-0-0 (config)# exit
```

The following example configures the banner login to “Welcome to *hostname.somewhere.com*, enjoy:”

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# ip domain-name somewhere.com
se-10-0-0-0 (config)# banner login @
Enter TEXT message. End with the character '@'.
Welcome to $(hostname).$(domain), enjoy!
@
se-10-0-0-0 (config)# exit
```

The following example configures the banner login to:

```
-----
You have entered a restricted area.
Unauthorized access is prohibited.
-----

se-10-0-0-0# config t
se-10-0-0-0 (config)# banner login 1
Enter TEXT message. End with the character '1'.
-----
You have entered a restricted area.
Unauthorized access is prohibited.
-----
1
se-10-0-0-0 (config)# exit
```

Related Commands

Command	Description
login pinless	Whether the console connection is subject to authentication or not.



C

Last Updated: August 21, 2009

[calendar biz-schedule](#)
[calendar holiday](#)
[calendar holiday fixed](#)
[call-agent](#)
[calling-number-rule prepend-digits](#)
[ccm-manager address](#)
[ccm-manager credentials](#)
[ccm-manager username](#)
[ccn application](#)
[ccn call terminate](#)
[ccn copy document–IVR Only](#)
[ccn copy prompt](#)
[ccn copy script](#)
[ccn copy url document–IVR Only](#)
[ccn copy url prompt](#)
[ccn delete document–IVR Only](#)
[ccn delete prompt](#)
[ccn engine](#)
[ccn rename prompt](#)
[ccn reporting historical](#)
[ccn subsystem edbs dbprofile–IVR Only](#)
[ccn subsystem email–IVR Only](#)
[ccn subsystem fax–IVR Only](#)
[ccn subsystem jtapi](#)
[ccn subsystem sip](#)
[ccn trigger http–IVR Only](#)
[ccn trigger jtapi phonenumber](#)

ccn trigger sip phonenumber
clock timezone
closed day
commands (kron schedule)
config-commands (aaa accounting event)
continue
copy ftp
copy hrdb url–IVR Only
copy ldap
copy log
copy running-config
copy startup-config
copy tftp
copy url
credentials (ccn subsystem edbs dbprofile)–IVR Only
crypto key default
crypto key delete
crypto key generate
crypto key import
ctiport

calendar biz-schedule

To configure a business-hours schedule, use the **calendar biz-schedule** command in Cisco Unity Express configuration mode. To delete a schedule, use the **no** form of this command.

calendar biz-schedule *schedule-name*

no calendar biz-schedule *schedule-name*

Syntax Description

<i>schedule-name</i>	Name of the business-hours schedule. The name must be one word.
----------------------	---

Defaults

Open 24 hours a day, 7 days a week (systemschedule file)

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

Cisco Unity Express supports up to four business schedules.

Each 24-hour day is divided into half-hour time slots. Specify the time slots when the company is open or closed.

The system default is “open” for 24 hours each day.

To configure a business-hours schedule using the graphical user interface (GUI), choose the **Voice Mail > Business Hours Settings** option.

Use the GUI to copy one business schedule to another schedule, which can then be modified.

The Cisco Unity Express system ships with one default schedule called “systemschedule.” This schedule treats the business as open 24 hours per day, 7 days per week. Use the GUI **Voice Mail > Business Hours Settings** option or CLI commands to modify or delete this schedule. If you have created multiple schedules, use the GUI or CLI commands to associate the desired schedule with the auto attendant (AA). You do not have to reboot the system to have the new schedule take effect.

When a caller reaches the AA, the AA plays the welcome prompt and checks if the current day is a holiday. If it is a holiday, the AA plays the holiday greeting to the caller and does not check the business-hours schedule.

If the current day is not a holiday, the system checks if the business is open. If so, the business open prompt plays. In the canned AA, this prompt (AABusinessOpen.wav) is empty. If the business is closed, the system plays the business closed prompt. In the canned AA, this prompt (AABusinessClosed.wav) says “We are currently closed. Please call back later.”

You can customize these two prompts by recording more meaningful messages. The prompts must be .wav files with the format G.711 u-law, 8 kHz, 8 bit, Mono. Use the GUI **Voice Mail > Prompts** option or the CLI commands to upload the customer prompts. Alternatively, you can record these prompts using the Administration via Telephone (AvT) system. After uploading or recording these custom prompts, use

the GUI **Voice Mail > Auto Attendants** option or the CLI commands to associate the new prompts with the AA. The new prompts take effect as soon as they are configured; the system does not need to be restarted.

Examples

The following example creates a business-hours schedule:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calendar biz-schedule normal
Adding new schedule
se-10-0-0-0(config-business)# closed day 1 from 00:00 to 24:00
se-10-0-0-0(config-business)# closed day 2 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 2 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 3 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 3 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 4 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 4 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 5 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 5 from 20:00 to 24:00
se-10-0-0-0(config-business)# closed day 6 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 6 from 18:00 to 24:00
se-10-0-0-0(config-business)# closed day 7 from 00:00 to 09:00
se-10-0-0-0(config-business)# closed day 7 from 13:00 to 24:00
se-10-0-0-0(config-business)# end
se-10-0-0-0(config)# exit
```

The following example deletes a business-hours schedule:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no calendar biz-schedule normal
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
closed day	Specifies the hours when a business is closed on a specific day.
open day	Specifies the hours when a business is open on a specific day.
show calendar biz-schedule	Displays the business-hours schedules configured on the local system.

calendar holiday

To configure a holiday list, use the **calendar holiday** command in Cisco Unity Express configuration mode. To delete a holiday, use the **no** form of this command.

calendar holiday date *yyyy mm dd* [**description** *holiday-description*]

no calendar holiday date *yyyy* [*mm* [*dd*]]

Syntax Description

date <i>yyyy mm dd</i>	Date of the holiday. <i>yyyy</i> is the 4-digit year, <i>mm</i> is the 2-digit month, and <i>dd</i> is the 2-digit day.
description <i>holiday-description</i>	(Optional) Description of the holiday. Enclose the text in double quotes (“ ”) if the description is more than one word.

Defaults

No holiday lists are configured.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

A holiday list contains administrator-designated calendar dates for a specified year. When a caller reaches the auto attendant (AA), the welcome prompt script checks if the current day is a holiday. If it is a holiday, the AA plays the holiday prompt to the caller. In the canned AA script provided with the Cisco Unity Express package, this prompt (AAHolidayPrompt.wav) is “We are closed today. Please call back later.” You can customize this prompt by recording a more meaningful message, such as “We are closed today for a holiday. If this is an emergency, please call 1-222-555-0150 for assistance. Otherwise, please call back later.”

The prompt must be a .wav file with the format G.711 u-law, 8 kHz, 8 bit, Mono. Use the GUI **Voice Mail > Prompts** option or CLI commands to upload the custom prompt. Alternatively, you can record the prompt using the Administration via Telephone (AvT) system. After uploading or recording the custom prompt, use the GUI **Voice Mail > Auto Attendant** option or the CLI commands to associate the new prompt with the AA. The new prompt takes effect as soon as it is configured; the system does not need to be restarted.

A list can contain a maximum of 26 holidays for the year.

Cisco Unity Express supports up to three holiday lists: the previous year, the current year, and the next year. If a year has no configured entries, the system treats that year as having no holidays.

The administrator can delete entries from a previous year list but cannot add or modify that list in any other way.

The system automatically deletes the “previous year” list when the a new calendar year begins. For example, if the active lists are:

```
2004-Previous Year
2005-Current Year
2006-Next Year
```

On January 1, 2006, the active lists are:

```
2005-Previous Year
2006-Current Year
2007-Next Year
```

The system automatically deletes the holiday list for 2004, changes the designations of the 2005 and 2006 holiday lists, and permits holidays for 2007 to be configured.

To configure the holiday list for the current year and next year using the GUI, choose the **Voice Mail > Holiday Settings** option.

To copy holidays from one year to the next, choose the GUI option **Copy all to next year** under **Voice Mail > Holiday Settings**.

Examples

The following example creates a holiday list for 2005:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calendar holiday date 2005 05 30 description "Memorial Day"
se-10-0-0-0(config)# calendar holiday date 2005 07 04 description "Independence Day"
se-10-0-0-0(config)# calendar holiday date 2005 11 24 description "Thanksgiving Day"
se-10-0-0-0(config)# calendar holiday date 2005 11 25 description "Thanksgiving Day"
se-10-0-0-0(config)# exit
```

The following examples illustrate deleting holidays from the holiday list.



Note Use this command with caution, as this operation is irreversible and may cause loss of holiday configuration for the entire year.

The following example deletes a holiday from the 2005 holiday list:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no calendar holiday date 2005 05 30
se-10-0-0-0(config)# exit
```

The following example deletes the holidays from a specific month in the 2005 holiday list:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no calendar holiday date 2005 11
se-10-0-0-0(config)# exit
```

The following example deletes all the holidays for a specific year:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no calendar holiday date 2005
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show calendar holiday	Displays the holidays configured on the local system.

calendar holiday fixed

To configure a fixed holiday, use the **calendar holiday fixed** command in Cisco Unity Express configuration mode.

calendar holiday fixed *month day* [**description** *description*]

Syntax Description		
<i>month</i>		Month of the fixed holiday.
<i>day</i>		Day of the month you want to define as a fixed holiday.
description <i>description</i>		(Optional) Specifies a description for the fixed holiday.

Command Default No fixed holidays are defined.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **calendar holiday fixed** command in Cisco Unity Express configuration mode to configure a fixed holiday. You must provide the month and day in two-digit format. You can optionally add a description for the fixed holiday.

Examples The following example configures January 5 as a fixed holiday:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calendar holiday fixed 01 05
```

Related Commands	Command	Description
	show calendar holiday fixed	Displays a list of the configured fixed holidays.

call-agent

To set the call-agent for the Cisco Unity Express system, use the **call-agent** command in Cisco Unity Express EXEC mode. Use the **no** form of this command to remove the configuration of the call agent.

call-agent {cucm | cucme}

no call-agent {cucm | cucme}

Syntax Description

cucm	Sets Cisco Unified Communications Manager (CUCM) as the call agent.
cucme	Sets Cisco Unified Communications Manager Express (CUCME) as the call agent.

Command Default

Cisco Unified Communications Manager (CUCM).

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

In versions prior to Cisco Unity Express 7.1, the call agent was determined by the purchased license. Beginning with Cisco Unity Express 7.1, this command enables you to choose either Cisco Unified Communications Manager (CUCM) or Cisco Unified Communications Manager Express (CUCME) as the call agent.

You must configure the call agent using one of the two following methods:

- During the post-installation process
- After the service module boots up using the **call-agent** command

Examples

The following output shows how to configure the call agent for Cisco Unified CME as part of the post-installation process.

```
Would you like to manually adjust the system time (y,n)? no
executing app post_install
```

```
Enter Call Agent
  1) Cisco Unified Communications Manager (CUCM) -- default
  2) Cisco Unified Communications Manager Express (CUCME)
#? : 1
Setting Call Agent to CUCM
```

The following output shows how to configure the call agent for Cisco Unified Communications Manager after the service module boots up. This operation is not reversible, and you should use this method with caution while configuring the call agent for Cisco Unified Communications Manager:

```
service-module# call-agent cucm
!!!WARNING!!!: This operation will
    a. permanently delete all non-local site related configuration
    b. reboot the system automatically
This operation is not reversible.
Do you wish to continue[n]? : yes
```

Related Commands

Command	Description
show call-agent	Displays the call-agent information

caller-flow caller-input

To specify the call flow for a specified caller input, use the **caller-flow caller-input** command in Cisco Unity Express mailbox configuration mode. Use the **no** or **default** form of this command to remove the configuration of the call flow.

caller-flow caller-input *input* {**ignore** | **repeat-greeting** | **say-goodbye** | **skip-greeting** | **subscriber-signin** | **transfer-to** *E164Phone* | **transfer-operator**}

no caller-flow caller-input *input* {**ignore** | **repeat-greeting** | **say-goodbye** | **skip-greeting** | **subscriber-signin** | **transfer-to** *E164Phone* | **transfer-operator**}

Syntax Description		
<i>input</i>		Specifies the number between 0 and 9 that a caller must dial to initiate a transfer to another phone number.
ignore		Ignore the key stroke and continue to play the greeting uninterrupted.
repeat-greeting		Repeat the greeting from the beginning
say-goodbye		Play the goodbye message and then disconnect the call.
skip-greeting		Skip to the end of the current greeting.
subscriber-signin		Play the subscriber signin prompt.
transfer-to <i>E164Phone</i>		Transfer to the specified E164 phone number if it is not blocked by the appropriate restriction table.
transfer-operator		Transfer to the operator. If no operator is defined, the key stroke is ignored and the greeting plays uninterrupted.

Command Default None.

Command Modes Cisco Unity Express mailbox configuration (config-mailbox)

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command replaces the **zerooutnumber** command in releases 7.1 and later.

Examples The following example configures the call flow for a mailbox to forward a caller to 555-0200 if the caller dials 2:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user8
se-10-0-0-0(config-mailbox)# caller-flow caller-input 2 transfer to 5550200
```

Related Commands	Command	Description
	voice mailbox owner	Enters mailbox configuration submode.
	show voicemail	Shows the properties of the voice-mail system

calling-number-rule prepend-digits

To specify additional digits to dial before dialing the E.164 number derived from the calling number rule for the live-reply feature, use the **calling-number-rule prepend-digits** command in Cisco Unity Express network configuration mode. Use the **no** or **default** form of this command to remove the additional digits to dial before dialing the E.164 number.

calling-number-rule prepend-digits *digits*

no calling-number-rule prepend-digits *digits*

default calling-number-rule prepend-digits

Syntax Description	<i>digits</i>	Digits to prepend to the E.164 number derived from the calling number rule.
---------------------------	---------------	---

Command Default	No prepend-digit string is defined.
------------------------	-------------------------------------

Command Modes	Cisco Unity Express network configuration
----------------------	---

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines

Use the **calling-number-rule prepend-digits** command in Cisco Unity Express network configuration mode to add digits to dial before dialing the E.164 number derived from the calling number rule for a remote subscriber. This E.164 number is derived using the calling number rule defined by the **voicemail live-reply calling-number-rule** command.

For the local location, this command has no impact.

Use the **no** form of this command to set the default behavior.

Examples

The following example specifies that the additional digits 91 are dialed before dialing the calling number rule for the live-reply feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calling-number-rule prepend-digits digits 91
```

Related Commands	Command	Description
	show voicemail live-reply	Displays the configuration of the live-reply feature.
	show voicemail live-reply restriction-table	Displays information about the restriction table associated with the live-reply feature.

ccm-manager address

To configure the IP address or hostname of Cisco Unified Communications Manager servers, use the **ccm-manager address** command in Cisco Unity Express JTAPI configuration mode. To set a server address to 0.0.0.0, use the **no** form of this command.

```
ccm-manager address {primary-server-ip-address | primary-server-hostname}
[[secondary-server-ip-address [tertiary-server-ip-address | tertiary-server-hostname] |
secondary-server-hostname [tertiary-server-ip-address | tertiary-server-hostname]]
```

```
no ccm-manager address {server-ip-address | server-hostname}
```

Syntax Description

<i>primary-server-ip-address</i>	IP address of the primary Cisco Unified Communications Manager server.
<i>primary-server-hostname</i>	Hostname of the primary Cisco Unified Communications Manager server.
<i>secondary-server-ip-address</i>	(Optional) IP address of the secondary Cisco Unified Communications Manager server.
<i>secondary-server-hostname</i>	(Optional) Hostname of the secondary Cisco Unified Communications Manager server.
<i>tertiary-server-ip-address</i>	(Optional) IP address of the tertiary Cisco Unified Communications Manager server.
<i>tertiary-server-hostname</i>	(Optional) Hostname of the tertiary Cisco Unified Communications Manager server.
<i>server-ip-address</i>	IP address of any Cisco Unified Communications Manager server.
<i>server-hostname</i>	Hostname of any Cisco Unified Communications Manager server.

Command Modes

Cisco Unity Express JTAPI configuration

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 the **ccm-manager address** command to specify a maximum of three Cisco Unified Communications Manager servers. Enter multiple IP addresses or hostnames on one command line or use separate command lines to enter each IP address or hostname.

The **no** form of the command sets the server's IP address to 0.0.0.0.

Examples

The following example configures the JTAPI subsystem with three Cisco Unified Communications Manager servers.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# ccm-manager address 10.100.10.120 10.110.10.120 10.120.10.120
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccm-manager username	Specifies the JTAPI user ID and password.
ccn subsystem jtapi	Enters JTAPI configuration mode.
ctiport	Specifies the Cisco Unified Communications Manager CTI ports used by Cisco Unity Express.
show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.

ccm-manager credentials

To specify the Cisco Unified Communications Manager JTAPI username and password in encrypted form, use the **ccm-manager credentials** command in Cisco Unity Express JTAPI configuration mode.

ccm-manager credentials hidden credentials

Syntax Description

<i>credentials</i>	Encrypted username and password combination.
--------------------	--

Command Modes

Cisco Unity Express JTAPI configuration

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 the **ccm-manager credentials** command to specify the Cisco Unified Communications Manager JTAPI username and password in encrypted form.

Examples

The following example configures the JTAPI subsystem with an encrypted username and password.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# ccm-manager credentials hidden
+DuGhIBvqsgghj6p6aBUoRQ4E0vzCD5YHSd8ZZNgd+Y9J3x1k2B35j0nfgWYHfmPSd8ZZNgd+Y9J3x1k2B35jwAAAA
A=
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccm-manager address	Specifies the Cisco Unified Communications Manager server.
ccn subsystem jtapi	Enters JTAPI configuration mode.
ctiport	Specifies the Cisco Unified Communications Manager CTI ports used by Cisco Unity Express.
show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.

ccm-manager username

To specify the Cisco Unified Communications Manager JTAPI user, use the **ccm-manager username** command in Cisco Unity Express JTAPI configuration mode. To delete the JTAPI user, use the **no** form of this command.

ccm-manager username *jtapi-user-id* **password** *jtapi-user-password*

no ccm-manager username

Syntax Description

<i>jtapi-user-id</i>	User ID of the JTAPI user.
password <i>jtapi-user-password</i>	Password for the JTAPI user.

Command Modes

Cisco Unity Express JTAPI configuration

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 the **ccm-manager username** command to specify the Cisco Unified Communications Manager JTAPI user.

The **no** form of the command removes the user ID and password.

Examples

The following example configures the JTAPI subsystem with the JTAPI user `jtapiuser` with password `myjtapi`.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# ccm-manager username jtapiuser password myjtapi
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccm-manager address	Specifies the Cisco Unified Communications Manager server.
ccn subsystem jtapi	Enters JTAPI configuration mode.

Command	Description
<code>ctiport</code>	Specifies the Cisco Unified Communications Manager CTI ports used by Cisco Unity Express.
<code>show ccn subsystem jtapi</code>	Displays statistics for the JTAPI subsystems.

ccn application

To create a CCN application and to enter configuration application mode, use the **ccn application** command in Cisco Unity Express configuration mode. To delete the application, use the **no** form of this command.

ccn application *full-name*

no ccn application *full-name*

Syntax Description	<i>full-name</i>	Full name of the application.
---------------------------	------------------	-------------------------------

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

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	This command specifies the name of the application to configure on the Cisco Unity Express module. The command switches to application configuration mode, which supports several configurable parameters.
-------------------------	--

Examples	This example creates the application autoattendant.
-----------------	---

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

Related Commands	Command	Description
	show call-agent	Displays details for each configured application.
	show ccn scripts	Displays configured script names and descriptions.

ccn call terminate

To terminate an active call, use the **ccn call terminate** command in Cisco Unity Express EXEC mode.

```
ccn call terminate {callimplid | portimplid} impli-id
```

Syntax Description	Parameter	Description
	callimplid	Terminates a call. with a specified call implementation ID.
	portimplid	Terminates a call from a specified port implementation ID.
	<i>impli-id</i>	Implementation ID of the call to be terminated.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines Use this command to terminate active voice calls in the Cisco Unity Express system.
Use the **show ccn call route** command to display the implementation IDs of the calls.

Examples The following examples terminate calls with call implementation ID 4085555010 and port implementation ID 1567/1:

```
se-10-0-0-0# ccn call terminate callimplid 4085555010  
se-10-0-0-0# ccn call terminate portimplid 1567/1
```

Related Commands	Command	Description
	show ccn call route	Displays active calls for a specified route.

ccn copy document–IVR Only

To copy a document from the Cisco Unity Express IVR system to a specific URL, use the **ccn copy document** command in Cisco Unity Express IVR user EXEC mode.

```
ccn copy document {tiff | template | generic} docname url url [language xx_YY] [username userid [password password]]
```

Syntax Description		
document { tiff template generic }		Specifies the type of document to be copied: <ul style="list-style-type: none"> • tiff—File extension is .tif or .tiff. • template—File extension can be any document type. • generic—File extension can be any document type.
<i>docname</i>		Name of the document to be copied from the Cisco Unity Express IVR system to the URL.
url <i>url</i>		URL, in the format <i>http://<hostname>:8080/<suffix></i> , to which the document is to be copied.
language <i>xx_YY</i>		(Optional) If specified in the command syntax, only the document written in the language specified is copied.
username <i>userid</i>		(Optional) Username for accessing the URL if authentication is required.
password <i>password</i>		(Optional) Password for accessing the URL if authentication is required.

Command Default None

Command Modes Cisco Unity Express IVR user EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines If you specify a language in the command, only the document written in that language is copied. If you do not specify the language or if the language is not available, the document written in the default language setting is copied. If a username and a password are required to access the URL (typical of an FTP URL), you can specify the username and password within the command.

If a document of the specified type and the specified name already exists in the URL, you are prompted for permission to overwrite the existing document.

Examples The following example copies a template text document, written in US English, from the Cisco Unity Express system to the specified URL:

```
se-10-0-0-0> ccn copy document template document.txt url http://localhost:8080/myhttpapp  
language en_US username James password psswd  
se-10-0-0-0>
```

Related Commands

Command	Description
show ccn document-IVR Only	Displays the Cisco Unity Express IVR document specified.

ccn copy prompt

To copy customized prompt files from Cisco Unity Express to another location, use the **ccn copy prompt** command in Cisco Unity Express EXEC mode.

```
ccn copy prompt prompt-filename url ftp://destination-ip-address/prompt-filename
[language xx_YY] [username name password password]
```

Syntax Description		
<i>prompt-filename</i>		Name of the prompt file to be copied.
ftp:// url <i>destination-ip-address</i>		Destination server where the prompt file will be stored.
language <i>xx_YY</i>		(Optional) Language of the prompt. See Release Notes for Cisco Unity Express for a list of supported languages.
username <i>name</i>		(Optional) Specifies the login name for the server. The default is “anonymous”.
password <i>password</i>		(Optional) Specifies the login password.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	1.1	This command was introduced.
	1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.
	2.0	The language option was added.

Usage Guidelines Using the **language** option copies the prompt in language *xx_YY* to the specified server. Otherwise, the system copies the prompt in the system default language to the server. The prompts must be previously recorded .wav files. Use the Administration via Telephone (AvT) to record the prompts from the telephone user interface (TUI).

Examples The following example copies the French prompt file AAHello.wav to an FTP server:

```
se-10-0-0-0# ccn copy prompt AAHello.wav url ftp://172.16.10.0/AAHello.wav language fr_FR
```

Related Commands	Command	Description
	ccn copy script	Copies script files from Cisco Unity Express to another location.
	ccn delete prompt	Deletes script and prompt files.
	show ccn prompts	Displays a list of configured prompt files.
	show ccn scripts	Displays a list of configured script files.

ccn copy script

To copy customized script files from Cisco Unity Express to another location, use the **ccn copy script** command in Cisco Unity Express EXEC mode.

```
ccn copy script script-filename url ftp://destination-ip-address
```

Syntax Description

<i>script-filename</i>	Name of the script file to be copied.
url ftp://destination-ip-address	Destination URL where the prompt file will be stored.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
1.1	This command was introduced on the Cisco Unity Express network module (NM), 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 the **ccn copy script** command to store script files on a server. Use the Cisco Unity Express script editor program to create the scripts, which specify how the incoming auto attendant calls are handled. This includes what prompts the caller hears, when alternate prompts are played, which extensions should be dialed based on the caller's key presses, and other similar call handling characteristics.

Examples

The following example copies the script file `AAnight.aef` to an FTP server:

```
se-10-0-0-0# ccn copy script AAnight.aef url ftp://172.16.10.0/Scripts
```

Related Commands

Command	Description
ccn copy prompt	Copies prompt files from Cisco Unity Express to another location.
ccn delete prompt	Deletes script and prompt files.
show ccn prompts	Displays a list of configured prompt files.
show ccn scripts	Displays a list of configured script files.

ccn copy url document—IVR Only

To copy a document from a specific URL to the Cisco Unity Express IVR system, use the **ccn copy url** command in Cisco Unity Express IVR user EXEC mode.

```
ccn copy url url document { tiff | template | generic } docname [language xx_YY] [username userid [password password]]
```

Syntax Description

<i>url</i>	The URL, in the format <i>http://<hostname>:8080/<suffix></i> , from which the document is to be copied.
document { tiff template generic }	Specifies the type of document to be copied: <ul style="list-style-type: none"> • tiff—File extension is .tif or .tiff. • template—File extension can be any document type. • generic—File extension can be any document type.
<i>docname</i>	Name of the document to be copied from the URL to the Cisco Unity Express IVR system.
language <i>xx_YY</i>	(Optional) If a language is specified in the command syntax, only the document written in the language specified is copied. Only languages that are installed on the router are accepted by this command.
username <i>userid</i>	(Optional) Username for accessing the URL if authentication is required.
password <i>password</i>	(Optional) Password for accessing the URL if authentication is required.

Command Default

None

Command Modes

Cisco Unity Express IVR user EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

If the document type is Tagged Image File Format (TIFF), the document to be copied must have a .tif or a .tiff file extension. The document is checked to ensure that it is a properly formatted .tiff image.



Note

File extension validation checks are not performed for the template or generic document types.

If you specify a language in the command syntax, only the document written in that language is copied. If you do not specify the language or if the language is not available, the document written in the default language setting is copied.

If a username and a password are required to access the URL, you can specify the username and password within the command.

If a document of the specified type and having the specified name already exists in the system, you are prompted for permission to overwrite the existing document.

Examples

The following example copies a document, written in US English, from the specified URL to the Cisco Unity Express system:

```
se-10-0-0-0> ccn copy url http://localhost:8080/myhttpapp document template document.txt  
language en_US username James password psswd  
se-10-0-0-0>
```

Related Commands

Command	Description
show ccn document-IVR Only	Displays the Cisco Unity Express IVR document specified.

ccn copy url prompt

To copy customized script or prompt files to Cisco Unity Express from another location, use the **ccn copy url** command in Cisco Unity Express EXEC mode.

Prompt File

```
ccn copy url ftp://source-ip-address/prompt-filename.wav prompt prompt-filename.wav [language language] [username username password password]
```

Script File

```
ccn copy url ftp://source-ip-address/script-filename.aef script script-filename.aef [username username password password]
```

Syntax Description

ftp://source-ip-address	Url of the server where the file is stored.
prompt prompt-filename	Name of the prompt file to be copied.
script script-filename	Name of the script file to be copied.
language language	(Optional) Language of the prompt. See Release Notes for Cisco Unity Express for a list of supported languages.
username username	(Optional) Specifies the login name for the server. The default is “anonymous”.
password password	(Optional) Specifies the login password.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
1.1	This command was introduced.
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.
2.0	The language option was added.

Usage Guidelines

Use the **ccn copy url** command to retrieve prompt and script files from a server.

Examples

The following example copies the script file MyScript.aef from an FTP server:

```
se-10-0-0-0# ccn copy url ftp://172.168.10.0/MyScript.aef script MyScript.aef
```

Related Commands

Command	Description
ccn copy script	Copies script files from Cisco Unity Express to another location.
ccn copy prompt	Copies prompt files from Cisco Unity Express to another location.

Command	Description
ccn delete prompt	Deletes script and prompt files.
show ccn prompts	Displays a list of configured prompt files.
show ccn scripts	Displays a list of configured script files.

ccn delete prompt

To delete a prompt or script from the Cisco Unity Express module, use the **ccn delete** command in Cisco Unity Express EXEC mode.

```
ccn delete {prompt prompt-filename [language xx_YY] | script script-filename}
```

Syntax Description

prompt <i>prompt-filename</i>	Name of the prompt file.
language <i>xx_YY</i>	(Optional) Language of the prompt. See Release Notes for Cisco Unity Express for a list of supported languages.
script <i>script-filename</i>	Name of the script file.

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.
2.0	The language option was added.

Usage Guidelines

Use this command to delete auto-attendant .wav greeting prompts or an application .aef script file. Use the **show ccn prompts** or **show ccn scripts** command to display configured prompts and scripts before deleting one.

Use the **language** option to delete a prompt from that language. Otherwise, the system deletes the prompt from the system default language.

Examples

The following example deletes the script vm.aef:

```
se-10-0-0-0# ccn delete script vm.aef
```

The following example deletes the French welcome prompt AAHello.wav:

```
se-10-0-0-0# ccn delete prompt AAHello.wav language fr_FR
```

Related Commands

Command	Description
ccn application	Configures an application.
ccn copy prompt	Copies prompt files from Cisco Unity Express to another location.

Command	Description
show ccn prompts	Displays configured CCN prompt files.
show ccn scripts	Displays configured CCN script files.

ccn delete document–IVR Only

To delete an existing document from the Cisco Unity Express IVR system, use the **ccn delete document** command in Cisco Unity Express IVR user EXEC mode.

```
ccn delete document {generic | template | tiff} docname [language xx_YY]
```

Syntax Description

generic	Specifies the generic document to be deleted, where the file extension can be that of any document,
template	Specifies the template document to be deleted, where the file extension is .txt.
tiff	Specifies the TIFF document to be deleted, where the file extension is .tif or .tiff.
<i>docname</i>	Name of the document to be deleted from the Cisco Unity Express IVR system.
language <i>xx_YY</i>	(Optional) If a language is specified in the command syntax, the document written in that language is deleted.

Command Default

None

Command Modes

Cisco Unity Express IVR user EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

You can specify the language option in the command to further identify the document to be deleted. If you do not specify the language, the document written in the default language is deleted. A prompt asks you to confirm the deletion.

If a document of the specified type and having the specified name does not exist, an error message is generated and the deletion aborts.

Examples

The following example deletes an existing document from the Cisco Unity Express IVR system:

```
se-10-0-0-0> ccn delete document template document.txt language en_US
se-10-0-0-0>
```

Related Commands

Command	Description
show ccn document–IVR Only	After deleting the Cisco Unity Express IVR document, use the show ccn document command output to confirm that the document is deleted.

ccn engine

To configure the features shared by all the Cisco Unity Express subsystems and to enter configuration engine mode, use the **ccn engine** command in Cisco Unity Express configuration mode.

ccn engine

Syntax Description

This command has no options or keywords.

Command Modes

Cisco Unity Express configuration

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 enters configuration engine mode:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn engine
se-10-0-0-0(config-engine)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccn application	Configures an application.
ccn subsystem sip	Configures the subsystems on Cisco Unity Express.
ccn trigger sip phonenumber	Configures the triggers for handling calls to Cisco Unity Express.
show ccn engine	Displays the CCN engine statistics.

ccn rename prompt

To rename an auto-attendant prompt file, use the **ccn rename prompt** command in Cisco Unity Express EXEC mode.

ccn rename prompt *old-name new-name*

Syntax Description

<i>old-name</i>	Existing name of the prompt file.
<i>new-name</i>	New name for the prompt file.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Examples

The following example renames the prompt `myprompt.wav` to `mynewprompt.wav`:

```
se-10-0-0-0# ccn rename prompt myprompt.wav mynewprompt.wav
```

Related Commands

Command	Description
show ccn prompts	Displays all configured application prompts.

ccn reporting historical

To enter Cisco Unity Express IVR reporting historical configuration mode, use the **ccn reporting historical** command in global configuration mode.

ccn reporting historical

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Global configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the Cisco Unity Express IVR reporting historical database set of commands to configure new or to modify existing historical reporting database configurations.

After successfully performing the **ccn reporting historical** command, the system enters the **config-hrdm** command mode, in which you can configure parameters of the reporting historical database.

Examples The following example sets reporting historical configuration mode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical configuration settings.

ccn subsystem edbs dbprofile–IVR Only

To enter Cisco Unity Express IVR enterprise database subsystem (EDBS) profile configuration mode, use the **ccn subsystem edbs dbprofile** command in global configuration mode. If an enterprise database profile already exists, use this command to modify the existing database profile parameters. To delete a profile name, use the **no** form of this command.

ccn subsystem edbs dbprofile *dbprofilename*

no ccn subsystem edbs dbprofile *dbprofilename*

Syntax Description	<i>dbprofilename</i>	Name of the Cisco Unity Express IVR database profile. The name must be one word.
---------------------------	----------------------	--

Command Default No database profile is configured.

Command Modes Global configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines After successfully performing the **ccn subsystem edbs dbprofile** command, the system enters EDBS profile command mode **config-dbprof**, in which you can configure parameters of the database profile. The database profile name must be a string variable without spaces or special characters.

If the database profile already exists, the following message displays on the console terminal before you enter the database profile command mode:

```
Modifying existing Database profile
```

If you are configuring a new database profile, the following message displays:

```
Adding new Database profile
```

Examples The following example creates a new Cisco Unity Express IVR enterprise database profile:

```
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-business)# 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 enterprise database profile settings.

ccn subsystem email–IVR Only

To configure the Cisco Unity Express IVR e-mail subsystem, use the **ccn subsystem email** command in global configuration mode.

ccn subsystem email

Syntax Description This command has no arguments or keywords.

Command Default There is no default value.

Command Modes Global configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines The Cisco Unity Express IVR e-mail command is used to configure the e-mail *default-from* e-mail address.

After successfully performing this command, the system enters the **config-email** command mode, in which you can configure parameters of the IVR e-mail features.

Examples The following example sets the e-mail *default-from* e-mail address:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem email
se-10-0-0-0(config-email)# default-from localhost@localdomain.com
se-10-0-0-0(config-email)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn subsystem email–IVR Only	Displays the Cisco Unity Express IVR <i>default-from</i> e-mail address.

ccn subsystem fax–IVR Only

To enter Cisco Unity Express IVR fax configuration mode, use the **ccn subsystem fax** command in global configuration mode

ccn subsystem fax

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Global configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines The Cisco Unity Express IVR fax set of commands is used to configure the Cisco Unity Express IVR fax *default-from* e-mail address.

After successfully completing the **ccn subsystem fax** command, the system enters the **config-fax** command mode, in which you can configure parameters of the Cisco Unity Express IVR fax features.

Examples The following example sets a fax *default-from* e-mail address:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem fax
se-10-0-0-0(config-fax)# default-from name@domain.com
se-10-0-0-0(config-fax)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn subsystem fax–IVR Only	Displays the Cisco Unity Express IVR fax <i>default-from</i> e-mail address.

ccn subsystem jtapi

To enter the Java Telephony Application Programming Interface (JTAPI) configuration mode, use the **ccn subsystem jtapi** command in Cisco Unity Express configuration mode. This command does not have a **no** form.

ccn subsystem jtapi

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	1.1	This command was introduced on the Cisco Unity Express network module (NM), 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 enters JTAPI configuration mode:

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

Related Commands	Command	Description
	ccm-manager address	Specifies the Cisco Unified Communications Manager server.
	ccm-manager username	Specifies the JTAPI user ID and password.
	ctiport	Specifies the Cisco Unified Communications Manager CTI ports used by Cisco Unity Express.
	show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.

ccn subsystem sip

To enter Session Initiation Protocol (SIP) configuration mode, use the **ccn subsystem sip** command in Cisco Unity Express configuration mode. This command does not have a **no** form.

ccn subsystem sip

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express configuration

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 enters SIP configuration mode:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# end
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	show ccn subsystem sip	Displays statistics for the configured subsystems.

ccn trigger http-IVR Only

To configure a Cisco Unity Express IVR HTTP-based trigger, use the **ccn trigger http** command in global configuration mode.

An HTTP-based trigger consists of a URL suffix string and an application name, which is added to the URL later by using the **application** command. An HTTP request starts the HTTP subsystem application and passes HTTP request information to the application.

To delete a URL suffix string, use the **no** form of this command.

```
ccn trigger http urlname mwiapp
```

```
no ccn trigger http urlname mwiapp
```

Syntax Description

urlname	HTTP trigger URL.
<i>mwiapp</i>	The Cisco Unity Express IVR HTTP-based trigger syntax form of the URL name.

Command Default

No HTTP-based trigger is configured.

Command Modes

Global configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

After successfully performing the **ccn trigger http urlname** command, the system enters HTTP trigger command mode **config-trigger**, in which you can configure parameters of the HTTP-based trigger. If an HTTP-based trigger already exists, use this command to modify the existing HTTP-based trigger parameters.

The HTTP trigger request can have additional parameters that are passed to the application that is to be started. Before starting the application, the HTTP subsystem ensures that the maximum number of sessions for the trigger and the application have not been reached or exceeded. The maximum number of sessions for an HTTP-triggered URL and its corresponding application is limited by the number of allowable licensed Cisco Unity Express IVR sessions.

If more requests are received than are allowed, the subsystem rejects the requests and sends an HTTP 503 response for each request. If an HTTP request is received and no trigger is configured for the request suffix, the subsystem sends an HTTP 404 response.

The HTTP trigger name must be a string variable without spaces or special characters, as shown in the following example:

```
se-10-0-0-0(config)# ccn trigger http urlname mwiapp
Adding new trigger
se-10-0-0-0(config-trigger)#
```

If you add a new HTTP trigger, the following message displays:

```
Adding new trigger
```

If the HTTP trigger already exists, the following message displays:

```
Modifying existing trigger
```

Examples

The following example configures the HTTP-based trigger URL parameter for the *localhost* hostname and the *myhttpapp* application name:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger http urlname mwiapp
Adding new trigger
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 option to display the Cisco Unity Express IVR HTTP-based trigger settings.

ccn trigger jtapi phonenumber

To configure the triggers that activate Cisco Unity Express JTAPI application functions and to enter trigger configuration mode, use the **ccn trigger jtapi phonenumber** command in Cisco Unity Express configuration mode. To delete the trigger, use the **no** form of this command.

ccn trigger jtapi phonenumber *number*

no ccn trigger jtapi phonenumber *number*

Syntax Description

<i>number</i>	Specifies the phone number that acts as the trigger to start the application on the JTAPI proxy server and enters trigger configuration mode. The <i>number</i> value should be the last four digits of the full telephone number that callers dial to reach the auto attendant. Beginning with version 8.0, the trigger number can contain wildcard characters. See the Usage Guidelines below for information.
---------------	--

Command Modes

Cisco Unity Express configuration

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.
8.0	This command was updated to add support for “pattern” wildcards and special characters for the <i>number</i> argument.

Usage Guidelines

The *number* value should be the last four digits of the full telephone number that callers dial to reach the auto attendant.

Beginning with Cisco Unity Express 8.0, you can configure a trigger to specify a number *pattern* instead of a single number. Incoming calls targeted to a number that matches the pattern cause the associated script to be invoked. The script determines which number was dialed by inspecting the called number attribute associated with the call. Cisco Unity Express supports a limit of 32 characters in the trigger pattern. Wildcard patterns are supported for both SIP and JTAPI triggers.

Wildcard patterns are based on Cisco Unified Communications Manager route patterns. The rules for choosing between multiple wildcard patterns matching an incoming call are similar to those used by Cisco Unified Communications Manager. For each pattern that is a candidate match for the dial string,

Related Commands

Command	Description
show ccn trigger all	Displays the configuration of an application trigger.

ccn trigger sip phonenumber

To configure the triggers that activate Cisco Unity Express SIP application functions and to enter trigger configuration mode, use the **ccn trigger sip phonenumber** command in Cisco Unity Express configuration mode. To delete the trigger, use the **no** form of this command.

ccn trigger sip phonenumber *number*

Syntax Description

<i>number</i>	Specifies the phone number or pattern that acts as the trigger to start the application on the SIP proxy server and enters trigger configuration mode. For phone numbers, the <i>number</i> value should be the last four digits of the full telephone number that callers dial to reach the auto attendant. Beginning with version 8.0, the trigger number can contain wildcard characters. See the Usage Guidelines below for information.
---------------	--

Command Modes

Cisco Unity Express configuration

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.
8.0	This command was updated to add support for “pattern” wildcards and special characters for the <i>number</i> argument.

Usage Guidelines

An application may have several triggers that invoke it, but a trigger must be associated with only one application.

Beginning with Cisco Unity Express 8.0, you can configure a trigger to specify a number *pattern* instead of a single number. Incoming calls targeted to a number that matches the pattern cause the associated script to be invoked. The script determines which number was dialed by inspecting the called number attribute associated with the call. Cisco Unity Express supports a limit of 32 characters in the trigger pattern. Wildcard patterns are supported for both SIP and JTAPI triggers.

Wildcard patterns are based on Cisco Unified Communications Manager route patterns. The rules for choosing between multiple wildcard patterns matching an incoming call are similar to those used by Cisco Unified Communications Manager. For each pattern that is a candidate match for the dial string, Cisco Unity Express calculates the number of other dial strings of the same length as the input dial string that would match each pattern, and then selects the pattern that has the fewest alternative dial string matches.

clock timezone

To set the time zone for the Cisco Unity Express system, use the **clock timezone** command in Cisco Unity Express configuration mode.

clock timezone [*time-zone*]

Syntax Description

time-zone (Optional) Time zone of the local branch.

Command Modes

Cisco Unity Express configuration

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

Cisco Unity Express gets the time from the configured NTP server to date-stamp system and application functions. The **clock timezone** command specifies the local time zone where Cisco Unity Express is installed.

If you know the phrase for the time-zone, enter it for the *time-zone* value. If you do not know the time zone phrase, leave the *time-zone* value blank and a series of menus appear to guide you through the time zone selection process.

Examples

The following example shows how United States Pacific Time is selected using the timezone menu:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# clock timezone
Please identify a location so that time zone rules can be set correctly.
Please select a continent or ocean.
1) Africa          4) Arctic Ocean    7) Australia      10) Pacific Ocean
2) Americas        5) Asia            8) Europe
3) Antarctica      6) Atlantic Ocean  9) Indian Ocean
#? 2
Please select a country.
1) Anguilla        18) Ecuador        35) Paraguay
2) Antigua & Barbuda 19) El Salvador    36) Peru
3) Argentina       20) French Guiana  37) Puerto Rico
4) Aruba            21) Greenland      38) St Kitts & Nevis
5) Bahamas         22) Grenada        39) St Lucia
6) Barbados        23) Guadeloupe     40) St Pierre & Miquelon
7) Belize          24) Guatemala      41) St Vincent
8) Bolivia         25) Guyana          42) Suriname
```

```

 9) Brazil
10) Canada
11) Cayman Islands
12) Chile
13) Colombia
14) Costa Rica
15) Cuba
16) Dominica
17) Dominican Republic
26) Haiti
27) Honduras
28) Jamaica
29) Martinique
30) Mexico
31) Montserrat
32) Netherlands Antilles
33) Nicaragua
34) Panama
43) Trinidad & Tobago
44) Turks & Caicos Is
45) United States
46) Uruguay
47) Venezuela
48) Virgin Islands (UK)
49) Virgin Islands (US)
#? 45

```

Please select one of the following time zone regions.

```

 1) Eastern Time
 2) Eastern Time - Michigan - most locations
 3) Eastern Time - Kentucky - Louisville area
 4) Eastern Standard Time - Indiana - most locations
 5) Central Time
 6) Central Time - Michigan - Wisconsin border
 7) Mountain Time
 8) Mountain Time - south Idaho & east Oregon
 9) Mountain Time - Navajo
10) Mountain Standard Time - Arizona
11) Pacific Time
12) Alaska Time
13) Alaska Time - Alaska panhandle
14) Alaska Time - Alaska panhandle neck
15) Alaska Time - west Alaska
16) Aleutian Islands
17) Hawaii
#? 11

```

The following information has been given:

```

    United States
    Pacific Time

```

```

Therefore TZ='America/Los_Angeles' will be used.
Local time is now:   Fri Dec 24 10:41:28 PST 2004.
Universal Time is now: Fri Dec 24 18:41:28 UTC 2004.
Is the above information OK?
1) Yes
2) No
#? 1
se-10-0-0(config)#

```

The following example shows how United States Pacific Time is selected using the timezone name:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# clock timezone Americas/Los_Angeles

```

Related Commands

Command	Description
ntp server	Specifies the NTP server for Cisco Unity Express.
show clock detail	Displays the clock details.

closed day

To specify the hours when a business is closed, use the **closed day** command in Cisco Unity Express business configuration mode. To change a closed time to an open time, use the **no** form of this command.

closed day *day-of-week* **from** *hh:mm* **to** *hh:mm*

no closed day *day-of-week* **from** *hh:mm* **to** *hh:mm*

Syntax Description

<i>day-of-week</i>	Day of the week. Valid values are 1 to 7, where 1 represents Sunday, 2 is Monday, 3 is Tuesday, 4 is Wednesday, 5 is Thursday, 6 is Friday, and 7 is Saturday.
from <i>hh:mm</i>	Starting time. Use the 24-hour clock for the hours <i>hh</i> . Valid values for minutes <i>mm</i> are 0 to 30.
to <i>hh:mm</i>	Ending time. Use the 24-hour clock for the hours <i>hh</i> . Valid values for minutes <i>mm</i> are 0 to 30.

Defaults

Default business hours are open 24 hours each day, 7 days per week.

Command Modes

Cisco Unity Express business configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

Each day is divided into half-hour time slots. By default, all the time slots are open. The **closed day** command changes an open time slot to a closed time slot.

The **closed day** command gives the same results as the **no open day** command.

Examples

The following example creates a business-hours schedule called normal:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calendar biz-schedule normal
Adding new schedule
se-10-0-0-0(config-business)# closed day 1 from 00:00 to 24:00
se-10-0-0-0(config-business)# closed day 2 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 2 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 3 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 3 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 4 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 4 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 5 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 5 from 20:00 to 24:00
se-10-0-0-0(config-business)# closed day 6 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 6 from 18:00 to 24:00
se-10-0-0-0(config-business)# closed day 7 from 00:00 to 09:00
se-10-0-0-0(config-business)# closed day 7 from 13:00 to 24:00
se-10-0-0-0(config-business)# end
se-10-0-0-0(config)# exit
```

The following example modifies the existing normal business schedule:

```
se-10-0-0-0(config)# calendar biz-schedule normal
Modifying existing schedule
se-10-0-0-0(config-business)# no closed day 1 from 09:00 to 12:00
se-10-0-0-0(config-business)# end
se-10-0-0-0(config)# exit
```

Using the command **open day 1 from 09:00 to 12:00** gives the same result as the **no closed day** command above.

Related Commands

Command	Description
calendar biz-schedule	Creates a business-hours schedule.
open day	Specifies the times when a business is open.
show calendar biz-schedule	Displays the business-hours schedules configured on the local system.

commands (kron schedule)

To enter the interactive mode to create the command block for a kron job, use the **commands** command in kron-schedule configuration mode. To remove the delimiter for the command block, use the **no** form of this command.

commands *delimiter*

no commands

<i>delimiter</i>	Specifies the symbol delimiter to be used to delimit the command names in the command block created for the kron job.
------------------	---

Defaults

No defaults.

Command Modes

Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

You can schedule the execution of a block of CLI commands. Blocks of commands are entered interactively, using a symbol delimiter character to start and stop the execution. The execution of the block of commands begins in EXEC mode, but mode-changing commands are allowed in the command block.

The following limitations apply in Cisco Unity Express 8.0:

- The maximum size of the block of commands is 1024 characters, including new lines.
- Commands in the block cannot use the comma “,” character or the delimiter character
For example, if the delimiter character entered with the **commands** command is “#”, you cannot use that symbol in the commands in the command block.
- Only system administrators can schedule the execution of blocks of commands.
- CLI commands are executed under system super-user privileges.
- Notification for the execution of these command blocks is not available. Error messages and results are available in log files only.



Caution

Use caution when scheduling CLI commands. Interactive commands will cause the execution to hang. Some commands might cause system instability.

Examples

The following example enters the interactive command mode to enter a command block for a kron job using the percent character “%” as the delimiter:

```
se-10-0-0-0(kron-schedule)# commands %
Enter CLI commands to be executed. End with the character '%'.
Maximum text size is 1024 characters, it may not contain symbols '%' or ' , '

show ver
sh run
conf t
hostname aaa
%
se-10-0-0-0(kron-schedule)#
```

Related Commands

Command	Description
description (kron schedule)	Configures a description for the kron job.
kron schedule	Creates a new kron schedule and enters kron-schedule configuration mode.
show kron schedules	Displays a list of kron jobs.
show kron schedule detail job	Displays details of a specific kron job.

config-commands (aaa accounting event)

To enable or disable the logging of configuration mode commands, use the **config-commands** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of configuration mode commands. Use the **default** form of this command to restore the default setting (the logging of configuration mode commands is enabled).

config-commands

no config-commands

default config-commands

Syntax Description This command has no arguments or keywords.

Command Default The logging of configuration mode commands is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of any changes made to the Cisco Unity Express configuration using any interface except IMAP (CLI, GUI, TUI, and VVE).

Examples The following example disables the logging of configuration mode commands:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no config-commands
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

continue

To return the Cisco Unity Express system to online mode, use the **continue** command in Cisco Unity Express offline mode.

continue

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express offline

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

This command returns the Cisco Unity Express system to the previous online mode, such as after a backup procedure or to discontinue a restore to factory defaults. The system begins processing new calls and voice messages.

Examples

The following example illustrates the use of the **continue** command in the backup procedure:

```
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
se-10-0-0-0(offline)# backup category data
se-10-0-0-0(offline)# continue
se-10-0-0-0#
```

Related Commands

Command	Description
backup	Identifies the data to be backed up.
offline	Terminates all active calls and prevents new calls from connecting to the Cisco Unity Express application.
reload	Restarts the Cisco Unity Express system.
restore	Identifies the file to be restored.
restore factory default	Restores the system to factory default values.

copy ftp

To copy a new configuration from an FTP server to another Cisco Unity Express location, use the **copy ftp** command in Cisco Unity Express EXEC mode.

copy ftp: {*nvrām:startup-config* | *running-config* | *startup-config* | *system:running-config*}

Syntax Description

<i>nvrām:startup-config</i>	Copies the new configuration to the NVRAM saved configuration.
<i>running-config</i>	Copies the new configuration to the current running configuration.
startup-config	Copies the new configuration to the startup configuration in flash memory.
system:running-config	Copies the new configuration to the system configuration.

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

When you copy from the FTP server, the **copy ftp** command becomes interactive and prompts you for the necessary information.

You may add a username and password to the server IP address if your server is not configured to accept anonymous FTP input. The format would be: *userid:password@ftp-server-address/directory*.

If you do not specify a *directory* value, the software uses the default FTP directory.

Examples

The following example shows copying the configuration file named *start* from the FTP server in the default directory to the startup configuration in NVRAM:

```
se-10-0-0-0# copy ftp: nvrām:startup-config
Address or name or remote host? admin:voice@10.3.61.16
Source filename? start
```

In the following example, the file named *start* in the FTP server *configs* directory is copied to the startup configuration:

```
se-10-0-0-0# copy ftp: startup-config
!!!WARNING!!! This operation will overwrite your startup configuration.
Do you wish to continue[y]? y
Address or name or remote host? admin:voice@10.3.61.16/configs
Source filename? start
```

Related Commands	Command	Description
	copy running-config	Copies the running configuration to another location.
	copy tftp	Copies the startup configuration to another location.
	erase startup-config	Deletes configuration data.
	write	Copies the running configuration to the startup configuration.

copy hrdb url–IVR Only

Use the **copy hrdb url** command to export ASCII comma separated values of the reporting historical database on the Cisco Unity Express IVR module to an external database in Cisco Unity Express privileged EXEC mode.

You can export reporting historical call contact detailed records (CCDRs) to an external server from the Cisco Unity Express IVR module for post-processing.



Note

We recommend that this command be executed during off peak hours or when the system is in a quiescent state.

copy hrdb url *url*

Syntax Description

<i>url</i>	URL of external database to which the Cisco Unity Express IVR module copies and uploads the historical reporting data in ASCII comma-separated value format.
------------	--

Defaults

No default values are configured.

Command Modes

Cisco Unity Express IVR privileged EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

To view the CCDR comma-separated value sequence and definitions, see the [Cisco Unity Express Interactive Voice Response CLI Administrator Guide](#).

Examples

The following example shows output from the **copy hrdb url** command as the files are copied from the Cisco Unity Express IVR module and sent to a server for processing:

```
se-10-0-0-0# copy hrdb url ftp://10.0.0.1/hr.txt
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed

100 3584k 0 0 3584k 0 1259k --:--:-- 0:00:02 --:--:-- 1794k
se-10-0-0-0#
```

Related Commands

Command	Description
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database parameters.

copy ldap

To copy the current LDAP information, stored in the CUE database, to an FTP server, use the **copy ldap** command in Cisco Unity Express EXEC mode.

copy ldap url ftp://[*user-id:ftp-password@*]*ftp-server-address*[/*directory*]/*filename*

Syntax Description

url ftp://<i>user-id:ftp-password@</i>	(Optional) Specifies the FTP username and password to access the FTP server. If no username and password are specified, the default username anonymous is used.
@<i>ftp-server-address</i>	The IP address of the FTP server.
/<i>directory</i>	(Optional) The directory where the LDAP data file will be stored on the FTP server. If no directory is specified, the default directory on the FTP server will be used.
/<i>filename</i>	The filename for the LDAP data on the FTP server.

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

If you do not specify a *directory* value, the software uses the default FTP directory.

Examples

The following example shows copying the LDAP data to the default directory on the FTP server and saving the data in the file `ldapinfo`.

```
se-10-0-0-0# copy ldap url ftp://admin:cue@10.10.67.163/ldapinfo
se-10-0-0-0#
```

Related Commands

Command	Description
copy running-config	Copies the running configuration to another location.
copy tftp	Copies the startup configuration to another location.

copy log

To copy the current logging information stored in the CUE database to an FTP server, use the **copy log** command in Cisco Unity Express EXEC mode.

```
copy log { install.log | dmesg | syslog.log | atrace.log | klog.log | debug_server.log | messages.log }
url ftp://[user-id:ftp-password@]ftp-server-address[/directory]/filename
```

Syntax Description

install.log	Contains the latest install information.
dmesg	Contains boot up logs.
syslog.log	Contains system messages.
atrace.log	Contains messages generated by a trace command.
debug_server.log	Contains messages generated by a debug command.
klog.log	The trace facility is a diagnostics facility that writes messages within a kernel buffer in memory.
messages.log	Contains kernel messages and system messages but no trace messages.
<i>user-id:ftp-password@</i>	(Optional) Specifies the FTP username and password to access the FTP server. If no username and password are specified, the default username anonymous is used.
<i>ftp-server-address</i>	IP address of the FTP server.
<i>/directory</i>	(Optional) Directory where the log data file will be stored on the FTP server. If no directory is specified, the default directory on the FTP server will be used.
<i>/filename</i>	Filename for the log data on the FTP server.

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

If you do not specify a *directory* value, the software uses the default FTP directory.

Examples

The following example shows copying the install log data to the default directory on the FTP server and saving the data in the file `installinfo`.

```
se-10-0-0-0# copy log install.log url ftp://admin:cue@10.10.67.163/installinfo
se-10-0-0-0#
```

Related Commands

Command	Description
show log	Displays the contents of a system log.

copy running-config

To copy the running configuration to another destination, use the **copy running-config** command in Cisco Unity Express EXEC mode.

copy running-config {**ftp:** | *nvrám:startup-config filename* | **startup-config** | **tftp:**}

Syntax Description		
ftp:		Begins the FTP menu where you enter the FTP server IP address and destination filename to copy the running configuration to an FTP server.
<i>nvrám:startup-config filename</i>		Copies the running configuration to the NVRAM saved configuration named <i>filename</i> .
startup-config		Copies the running configuration to the startup configuration in flash memory named <i>filename</i> .
tftp:		Begins the TFTP menu where you enter the TFTP server IP address and destination filename to copy the running configuration to a TFTP server.

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 When you copy to an FTP or TFTP server, the **copy running-config** command becomes interactive and prompts you for the necessary information. You may add a username and password to the server IP address if your server is not configured to accept anonymous FTP input. The format would be: *userid:password@ftp-server-address/directory*. If you do not specify a *directory* value, the software uses the default FTP directory.

Examples In the following example, the running configuration is copied to the FTP server, which requires a user ID and password and has an IP address of 172.16.231.193. The running configuration is copied to the configs directory as file saved_start.

```
se-10-0-0-0# copy running-config ftp:
Address or name of remote host? admin:voice@172.16.231.193/configs
Source filename? saved_start
```

The following example shows the running configuration copied to the NVRAM saved configuration as filename startup:

```
se-10-0-0-0# copy running-config nvram:startup-config startup
```

The following example shows the running configuration copied to the startup configuration as filename start:

```
se-10-0-0-0# copy running-config startup-config start
```

The following example shows the running configuration copied to the TFTP server as filename temp_start:

```
se-10-0-0-0# copy running-config tftp:
Address or name of remote host? 172.16.231.190
Source filename? temp_start
```

Related Commands

Command	Description
copy ftp	Copies network FTP data to another destination.
copy startup-config	Copies the startup configuration to another location.
copy tftp	Copies the TFTP data to another location.
erase startup-config	Deletes configuration data.
write	Copies the running configuration to the startup configuration.

copy startup-config

To copy the startup configuration to another destination, use the **copy startup-config** command in Cisco Unity Express EXEC mode.

```
copy startup-config {ftp: | tftp:}
```

Syntax Description

ftp:	Begins the FTP menu where you enter the FTP server IP address and destination filename to copy the startup configuration to an FTP server.
tftp:	Begins the TFTP menu where you enter the TFTP server IP address and destination filename to copy the startup configuration to a TFTP server.

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

When you copy to an FTP or TFTP server, the **copy startup-config** command becomes interactive and prompts you for the necessary information. You may add a username and password to the server IP address if your server is not configured to accept anonymous FTP input. The format would be: *userid:password@ftp-server-address/directory*. If you do not specify a *directory* value, the software uses the default FTP directory.

Examples

In the following example, the startup configuration is copied to the FTP server, which requires a user ID and password and has an IP address of 172.16.231.193. The startup configuration is copied to the configs directory as file saved_start.

```
se-10-0-0-0# copy startup-config ftp:
Address or name of remote host? admin:voice@172.16.231.193/configs
Source filename? saved_start
```

The following example shows the startup configuration being copied to the TFTP server as filename temp_start:

```
se-10-0-0-0# copy startup-config tftp:
Address or name of remote host? 172.16.231.190
Source filename? temp_start
```

Related Commands	Command	Description
	copy ftp	Copies network FTP data to another destination.
	copy running-config	Copies the running configuration to another location.
	copy tftp	Copies the TFTP data to another location.
	erase startup-config	Deletes configuration data.
	write	Copies the running configuration to the startup configuration.

copy tftp

To copy the network TFTP server information to another destination, use the **copy tftp** command in Cisco Unity Express EXEC mode.

copy tftp: {nvram:startup-config | **running-config** | **startup-config** | system:running-config}

Syntax Description

nvram:startup-config	Destination location for the copy procedure is the NVRAM saved configuration. Begins the interactive menu where you enter the TFTP server IP address and destination filename.
running-config	Destination location for the copy procedure is the active configuration in flash memory. Begins the interactive menu where you enter the TFTP server IP address and destination filename.
startup-config	Destination location for the copy procedure is the startup configuration in flash memory. Begins the interactive menu where you enter the TFTP server IP address and destination filename.
system:running-config	Destination location for the copy procedure is the system configuration. Begins the interactive menu where you enter the TFTP server IP address and destination filename.

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

The **copy tftp** command is an interactive command and prompts you for the necessary information. You may add a username and password to the server IP address if your server is not configured to accept anonymous TFTP input. The format would be: *userid:password@ftp-server-address/directory*. If you do not specify a *directory* value, the software uses the default TFTP directory.

Copying a startup configuration from the TFTP server to the startup configuration overwrites the startup configuration. Cisco Unity Express displays a warning that asks you to confirm the overwrite.

Examples

The following example shows a TFTP server with the IP address 10.3.61.16. The TFTP server data in the source filename start is copied to the running configuration.

```
se-10-0-0-0# copy tftp: running-config
Address or name of remote host? 10.3.61.16
Source filename? start
```

In the following example, the TFTP server has the IP address 10.3.61.16. The file start in directory configs on the TFTP server is copied to the startup configuration.

```
se-10-0-0-0# copy tftp: startup-config
!!!WARNING!!! This operation will overwrite your startup configuration.
Do you wish to continue[y]? y
Address or name of remote host? 10.3.61.16/configs
Source filename? start
```

Related Commands

Command	Description
copy ftp	Copies network FTP server information to another location.
copy running-config	Copies the running configuration to another location.
copy startup-config	Copies the startup configuration to another location.
erase startup-config	Deletes configuration data.
write	Copies the running configuration to the startup configuration.

copy url

To copy a default configuration file from a specified server, use the **copy url** command in Cisco Unity Express EXEC mode. Use the **no** or **default** form of this command to remove the configuration of the call flow.

copy url ftps://server/filename default-config

no copy url ftps://server/filename default-config

Syntax Description

<i>server</i>	Specifies the DNS name or IP address of the server where the default configuration file is located.
<i>filename</i>	Specifies the name of the default configuration file.

Command Default

None.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command is used in conjunction with the **restore factory-default** command.

Examples

The following example copies a default configuration file call *default.cfg* to the system from a server called *server4*:

```
se-10-0-0-0# copy url ftps://server4/deafault.cfg
```

Related Commands

Command	Description
restore factory default	Restores the system to factory defaults.

credentials (ccn subsystem edbs dbprofile)–IVR Only

To specify the username and password in encrypted form for the Cisco Unity Express IVR enterprise database subsystem (EDBS) profile, use the **credentials** command in Cisco Unity Express IVR EDBS profile configuration mode. To delete the encrypted form of the username and password, use the **no** form of this command.

credentials hidden *credential-string*

no credentials hidden *credential-string*

Syntax Description	hidden <i>credential-string</i>	Encrypted username and password combination.
Command Default	None	
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 dbprofile command is successfully performed, use the credentials hidden <i>credential-string</i> command to specify the credential information in encrypted form for this database connection.	
Examples	The following example configures the Cisco Unity Express IVR subsystem with an encrypted username and password: <pre>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)# credentials hidden James_dbpasswd se-10-0-0-0(config-dbprof)# end se-10-0-0-0(config)# exit</pre>	
Related Commands	Command	Description
	show ccn subsystem edbs dbprofile–IVR Only	Displays the Cisco Unity Express IVR Enterprise database profile settings.

crypto key default

To set a certificate and private key pair as the system default, use the **crypto key default** command in Cisco Unity Express configuration mode. To remove the system default designation from the certificate-key pair, use the **no** form of this command.

crypto key label *label-name* **default**

no crypto key label *label-name* **default**

Syntax Description

label <i>label-name</i>	The name of the certificate-private key pair to be set as the system default.
--------------------------------	---

Defaults

This command has no defaults.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

Setting the certificate-key pair allows applications such as integrated messaging to use the default certificate for SSL security without knowing the specific label name of the pair.

If several certificate-key pairs exist on the system and none of them are the system default, use this command to designate one of them as the system default.

To change the designation from one pair to another, remove the designation from the original pair using the **no** form of this command. Then assign the designation to the new pair.

The **no** form of this command does not delete the certificate or private key. The pair remains on the system but is no longer designated as the system default pair.

The system displays an error message if either of the certificate-key pairs does not exist.

Examples

The following example designates the certificate-private key pair with the label `mainkey.ourcompany` as the system default.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# crypto key label mainkey.ourcompany default
se-10-0-0-0(config)#
```

The following example changes the system default designation from certificate-key pair `alphakey.myoffice` to `betakey.myoffice`:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no crypto key label alphakey.myoffice default
se-10-0-0-0(config)# crypto key label betakey.myoffice default
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	crypto key delete	Deletes a certificate-private key pair.
	crypto key generate	Generates a certificate-private key pair.
	crypto key import	Imports a certificate-private key pair from a console or server.
	show crypto key	Displays information about generated certificates.

crypto key delete

To delete a certificate and private key pair from the system, use the **crypto key delete** command in Cisco Unity Express configuration mode. This command does not have a **no** or **default** form.

```
crypto key delete {all | label label-name}
```

Syntax Description	all	Description
	all	Deletes all certificate-private key pairs on the system.
	label <i>label-name</i>	Deletes the specified certificate-private key pair.

Defaults This command has no defaults.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines An error message appears if the specified certificate-private key pair does not exist.

Examples The following example deletes the certificate and private key with the name mainkey.ourcompany.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# crypto key delete label mainkey.ourcompany
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	crypto key default	Designates a certificate-private key pair as the system default.
	crypto key generate	Generates a certificate-private key pair.
	crypto key import	Imports a certificate-private key pair from a console or server.
	show crypto key	Displays information about generated certificates.

crypto key generate

To generate a self-signed certificate and private key, use the **crypto key generate** command in Cisco Unity Express configuration mode. This command does not have a **no** or **default** form.

```
crypto key generate [rsa {label label-name | modulus modulus-size} | default]
```

Syntax Description		
rsa	(Optional)	Specifies the algorithm for public key encryption.
label <i>label-name</i>	(Optional)	Assigns a name to the certificate-key pair.
modulus <i>modulus-size</i>	(Optional)	Specifies the size of the modulus, which is the base number for generating a key. Valid values are 512 to 2048 and must be a multiple of 8.
default	(Optional)	Assigns the generated certificate-key pair as the system default.

Defaults

The default encryption algorithm is *ras*.
The default label has the form *hostname.domainname*.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

Integrated messaging requires a certificate and private key before SSL connections can be enabled. A certificate-key pair must be set as the system default. The system generates an error message if IMAP security mode is set to SSL or mixed before the certificate-key pair is set.

If you do not select any keywords or do not specify a label, the system automatically generates a certificate-key pair with a name in the format *hostname.domainname*.

Cisco Unity Express 2.3 supports only the *rsa* encryption algorithm.

Use the **crypto key generate** command or the **crypto key label default** command to set a certificate-key pair as the system default.

Examples

The following example generates a certificate and private key with the name *mainkey.ourcompany*, size 750, and assigns the generated pair as the system default.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# crypto key generate label mainkey.ourcompany modulus 728 default
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	crypto key delete	Deletes a certificate-private key pair.
	crypto key import	Imports a certificate-private key pair from a console or server.
	crypto key default	Designates a certificate-private key pair as the system default.
	show crypto key	Displays information about generated certificates.

crypto key import

To import a certificate and private key from a console or remote server, use the **crypto key import** command in Cisco Unity Express configuration mode. This command does not have a **no** or **default** form. To delete a certificate and private key, use the **crypto key delete** command.

```
crypto key import rsa label label-name {der | pem {terminal | url {ftp: | http:}} [default]
```

Syntax Description		
rsa		Specifies the algorithm for public key encryption.
label <i>label-name</i>		Assigns a name to the imported certificate-key pair.
der		Indicates the imported certificate is in the Distinguished Encoding Rules (DER) encoding format.
pem		Indicates the imported certificate is in the Privacy Enhanced Mail (PEM) encoding format.
terminal		Specifies the console as the source of the certificate and key. The system prompts you for more information. See the example below.
url {ftp: http:}		Specifies a remote server as the source of the certificate and key. The system prompts you for more information. See the example below.
default		(Optional) Assigns the certificate-key pair as the system default.

Defaults This command has no defaults.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines The system displays an error message if the certificate-key pair does not exist. If you import an incorrect certificate-key pair, delete the pair with the **crypto key delete** command and import the correct one.

Examples The following example imports a certificate and private key from the console.

```
Ise-10-0-0-0# config t
se-10-0-0-0(config)# crypto key import rsa label newkey.ourcompany der terminal

Enter certificate...
End with a blank line or "quit" on a line by itself

Enter private key...
Private key passphrase?
End with a blank line or "quit" on a line by itself
```

```
quit
Import succeeded.
```

Related Commands

Command	Description
crypto key default	Designates a certificate-private key pair as the system default.
crypto key delete	Deletes a certificate-private key pair.
crypto key generate	Generates a certificate-private key pair.
show crypto key	Displays information about generated certificates.

ctiport

To specify one or more Cisco Unified Communications Manager CTI ports, use the **ctiport** command in Cisco Unity Express JTAPI configuration mode. To delete a CTI port, use the **no** form of this command.

```
ctiport cti-port [cti-port2 cti-port3...cti-portN]
```

```
no ctiport cti-portN
```

Syntax Description

<i>cti-port</i>	CTI port number.
<i>cti-portN</i>	(Optional) Additional CTI ports.

Command Modes

Cisco Unity Express JTAPI configuration

Command History

Cisco Unity Express Version	Modification
1.1	This command was introduced on the Cisco Unity Express network module (NM), 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 configures the JTAPI subsystem with eight CTI ports.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# ctiport 6400 6500 6600 6700 6800 6900 7000 7100
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

The following example deletes CTI port 6700.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# no ctiport 6700
se-10-0-0-0(config-jtapi)# end
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ccm-manager address	Specifies the Cisco Unified Communications Manager server.
ccm-manager username	Specifies the JTAPI user ID and password.
ccn subsystem jtapi	Enters JTAPI configuration mode.
show ccn subsystem jtapi	Displays statistics for the JTAPI subsystems.



D

Last Updated: August 03, 2009

database (ccn reporting historical)
db-hostname (ccn subsystem edbs dbprofile)–IVR Only
dbname (ccn subsystem edbs dbprofile)–IVR Only
db-password (ccn subsystem edbs dbprofile)–IVR Only
db-port (ccn subsystem edbs dbprofile)–IVR Only
dbtype (ccn subsystem edbs dbprofile)–IVR Only
db-username (ccn subsystem edbs dbprofile)–IVR Only
default (ccn application)
default (ccn engine)
default (ccn reporting historical)
default (ccn subsystem edbs dbprofile)–IVR Only
default (ccn subsystem fax)–IVR Only
default (ccn trigger http)–IVR Only
default (ccn trigger jtapi)
default (ccn trigger sip)
default ccm-manager (ccn subsystem jtapi)
default ctiport (ccn subsystem jtapi)
default gateway (ccn subsystem sip)
default security password length min
default security pin length min
default-from (ccn subsystem fax)–IVR Only
description (backup-schedule)
description (ccn application)
description (ccn reporting historical)
description (kron schedule)
description (site)
disabled (backup-schedule)

disabled (kron-schedule)
dtmf-relay

database (ccn reporting historical)

To configure the Cisco Unity Express IVR reporting historical local database, use the **database local** command in Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to remove the database configuration.

database local

no database local

Syntax Description

This command has no arguments or keywords.

Command Default

The Cisco Unity Express IVR reporting historical database is set up as a local database by default.

Command Modes

Cisco Unity Express IVR reporting historical configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Examples

The following example configures the Cisco Unity Express IVR reporting historical local database:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# database local
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

db-hostname (ccn subsystem edbs dbprofile)–IVR Only

To configure the hostname for the Cisco Unity Express IVR enterprise database subsystem (EDBS), use the **db-hostname** command in Cisco Unity Express IVR EDBS configuration mode. To change the hostname to the default hostname, use the **no** form of this command.

db-hostname *hostname*

no db-hostname *hostname*

Syntax Description

<i>hostname</i>	Name of the host system. Do not include the domain name.
-----------------	--

Defaults

The default is the IP address of the Cisco Unity Express IVR module.

Command Modes

Cisco Unity Express IVR EDBS configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

The *hostname* value identifies the Cisco Unity Express IVR module. The default value is the IP address of the module.



Note

Cisco Unity Express uses the *hostname* value in the Cisco Unity Express IVR module prompt.

Examples

The following example changes the hostname of the module to *myHost* and then restores the default hostname:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# db-hostname myHost
mybranch(config)# no db-hostname myHost
se-10-0-0-0(config)#
```

Related Commands

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

dbname (ccn subsystem edbs dbprofile)–IVR Only

To specify a Cisco Unity Express IVR enterprise database subsystem (EDBS) name, use the **dbname** command in Cisco Unity Express IVR EDBS profile configuration mode. To delete the database name, use the **no** form of this command.

dbname *external-db-name*

no dbname *external-db-name*

Syntax Description

<i>external-db-name</i>	Specifies an external database name as a string.
-------------------------	--

Command Default

There is no default database name.

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 dbprofile** command is successfully performed, the **dbname** command is used to specify the name of the external database. If this name is not specified, the Java Database Connectivity (JDBC) driver uses the default database to connect. If you specify a name, the JDBC driver connects to the external database of that name.

Examples

The following example configures the optional database name:

```
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)# dbname atlanta
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 database configuration settings.

db-password (ccn subsystem edbs dbprofile)–IVR Only

To configure the password for the Cisco Unity Express IVR enterprise database subsystem (EDBS), use the **db-password** command in Cisco Unity Express IVR EDBS configuration mode. To remove the password, use the **no** form of this command.

db-password *password*

no db-password *password*

Syntax Description

<i>password</i>	Set the password for the system.
-----------------	----------------------------------

Defaults

None

Command Modes

Cisco Unity Express IVR EDBS configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

When you configure a password you must also configure a username by using the **db-username** command.

Examples

The following example sets the password of the module:

```
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)# db-username James
se-10-0-0-0(config-dbprof)# db-password dbpasswd
se-10-0-0-0(config-dbprof)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
db-username (ccn subsystem edbs dbprofile)–IVR Only	Configures the username for the Cisco Unity Express IVR EDBS.
show ccn subsystem edbs dbprofile–IVR Only	Displays the Cisco Unity Express IVR Enterprise database profile settings.

db-port (ccn subsystem edbs dbprofile)–IVR Only

To specify the Cisco Unity Express IVR enterprise database subsystem (EDBS) port number, use the optional **db-port** command in Cisco Unity Express IVR EDBS profile configuration mode. To delete the database port number, use the **no** form of this command.

db-port *port-number*

no db-port *port-number*

Syntax Description	<i>port-number</i>	(Optional) Port number other than the default port number for the Cisco Unity Express IVR EDBS.
---------------------------	--------------------	---

Command Default	None
------------------------	------

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 dbprofile command is successfully performed, use the optional db-port command to specify a port number other than the default port number of the database. Although databases are typically started using their default port numbers, the default port number might have been changed to a different port number. If the port number is some number other than the default port number, you must use the db-port command to specify this port number; otherwise, there is no need to use this command.
-------------------------	--

Examples	The following example configures the Cisco Unity Express IVR EDBS to use port number 10:
-----------------	--

```
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)# db-port 10
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 configuration settings.

dbtype (ccn subsystem edbs dbprofile)—IVR Only

To configure the Cisco Unity Express IVR enterprise database subsystem (EDBS) type, use the **dbtype** command to set the database type in Cisco Unity Express IVR EDBS profile configuration mode. To delete a database type, use the **no** form of this command.

```
dbtype {DB2 | MSSQL-MSDE | ORACLE | SYBASE}
```

```
no dbtype {DB2 | MSSQL-MSDE | ORACLE | SYBASE}
```

Syntax Description	DB2	Sets the underlying database subsystem to be an IBM database.
	MSSQL-MSDE	Sets the underlying database subsystem to be a Microsoft SQL or Microsoft Database Engine database.
	ORACLE	Sets the underlying database subsystem to be an Oracle database.
	SYBASE	Sets the underlying database subsystem to be a Sybase database.

Command Default No database type is configured.

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 dbprofile** command is successfully performed, the **dbtype** command is used to set the database type as DB2, MSSQL-MSDE, Oracle, or Sybase. The **dbtype** command is required.

Examples The following example sets the database type to be Sybase:

```
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)# dbtype sybase
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 Enterprise database profile settings.

db-username (ccn subsystem edbs dbprofile)–IVR Only

To specify the required username for connecting to the Cisco Unity Express IVR enterprise database subsystem (EDBS), use the **db-username** command in Cisco Unity Express IVR EDBS profile configuration mode. To delete the specified username and password strings, use the **no** form of this command.

db-username *userid*

no db-username *userid*

Syntax Description	<i>userid</i>	Username for authenticating connection to the database.
Command Default	No username is configured.	
Command Modes	Cisco Unity Express IVR EDBS profile configuration	
Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
Usage Guidelines	When you configure a username you must also configure a password by using the db-password command.	
Examples	The following example configures the database profile username and password:	
	<pre> 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)# db-username James se-10-0-0-0(config-dbprof)# db-password dbpasswd se-10-0-0-0(config-dbprof)# end se-10-0-0-0(config)# exit </pre>	
Related Commands	Command	Description
	db-password (ccn subsystem edbs dbprofile)–IVR Only	Configures the password for the Cisco Unity Express IVR EDBS.
	show ccn subsystem edbs dbprofile–IVR Only	Displays the Cisco Unity Express IVR EDBS profile settings.

default (ccn application)

To reset a CCN application parameter to its default value, use the **default** command in CCN application configuration mode.

default { **description** | **enabled** | **maxsessions** | **parameter** *name* }

Syntax Description

<i>description</i>	Sets the application description to the name of the application.
enabled	Enables the application.
maxsessions	Sets the maximum number of sessions to the port license number.
parameter <i>name</i>	Sets the parameter's value to the default set in the script.
Note	Parameter names can be viewed using the show ccn application command.

Command Modes

CCN application configuration

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

The **default** command sets a Cisco Unified Communication Network (CCN) application parameter to its default value.

Examples

The following example sets the maximum number of sessions to the port license number:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application voicemail
se-10-0-0-0(config-application)# default maxsessions
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.
ccn engine	Configures the parameters used by all CCN applications.

Command	Description
ccn trigger sip phonenumber	Configures CCN trigger values for the applications.
show call-agent	Displays all of the CCN application details.

default (ccn engine)

To set the upper limit on the number of steps executed in a CCN application to the default value, use the **default** command in CCN engine configuration mode.

default maxsteps

Syntax Description

<i>maxsteps</i>	Upper limit on the number of steps executed in a CCN application. The default is 1000.
-----------------	--

Command Modes

CCN engine configuration mode

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 resets the specified parameters to their factory values:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn engine
se-10-0-0-0(config-engine)# default maxsteps
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 parameters used by all CCN applications.
ccn trigger sip phonenumber	Configures CCN trigger values for the applications.
show ccn engine	Displays the CCN engine information.

default (ccn reporting historical)

To reset the values for the Cisco Unity Express IVR reporting historical database to their default values, use the **default** command in Cisco Unity Express IVR reporting historical configuration mode.

```
default { database | description | enabled | purge }
```

Syntax Description	Parameter	Description
	database	Cisco Unity Express IVR reporting historical database is set up as a Local database by default.
	description	(Optional) Hostname of the Cisco Unity Express system.
	enabled	Enables the reporting historical database. Use the no form of this command to disable the reporting historical database.
	purge	No purge parameters are configured.

Command Default The default is the hostname of the Cisco Unity Express system.

Command Modes Cisco Unity Express IVR reporting historical configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced,

Usage Guidelines To allow the database server to differentiate data for every Cisco Unity Express IVR system that saves historical data to the same database, create a descriptive name for the Cisco Unity Express IVR historical database.

Examples The following example resets the Cisco Unity Express IVR reporting historical database parameters to their default values:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# default database local
se-10-0-0-0(config-hrdm)# default description
se-10-0-0-0(config-hrdm)# default enabled
se-10-0-0-0(config-hrdm)# default purge
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

default (ccn subsystem edbs dbprofile)–IVR Only

To reset the Cisco Unity Express IVR enterprise database subsystem (EDBS) values to their default values, use the **default** command in Cisco Unity Express IVR EDBS profile configuration mode.

```
default {credentials | dbname | dbtype | description | enabled | db-hostname | maxactive |
parameter | db-password | db-port | db-username }
```

Syntax Description		
credentials		Has no effect on the Cisco Unity Express IVR enterprise database.
dbname		No database name is configured.
dbtype		No database type is configured.
description		(Optional) Hostname of the Cisco Unity Express system.
enabled		Enables the Cisco Unity Express IVR enterprise database. Use the no form of the command to disable the enterprise database.
db-hostname		Cisco Unity Express IVR reporting historical database is set up as a local database.
maxactive		Sets the maximum value: twice the number of licensed Cisco Unity Express IVR sessions.
parameter		(Optional) No parameter name-value pair is configured.
db-password		Sets the Cisco Unity Express IVR enterprise database password to an empty string.
db-port		(Optional) Sets the port number to the default port number.
db-username		Sets the Cisco Unity Express IVR enterprise database username to an empty string.

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 entering the **ccn subsystem edbs profile** command, use the **default** command to reset the database values to their default values.

Examples The following example resets the Cisco Unity Express IVR EDBS values to their default values:

```
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)# default credentials
se-10-0-0-0(config-dbprof)# default dbname
se-10-0-0-0(config-dbprof)# default dbtype
se-10-0-0-0(config-dbprof)# default description
se-10-0-0-0(config-dbprof)# default enabled
se-10-0-0-0(config-dbprof)# default db-hostname
```

```
se-10-0-0-0(config-dbprof)# default maxactive
se-10-0-0-0(config-dbprof)# default parameter
se-10-0-0-0(config-dbprof)# default db-password
se-10-0-0-0(config-dbprof)# default db-port
se-10-0-0-0(config-dbprof)# default db-username
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.

default (ccn subsystem fax)–IVR Only

To delete the fax *default-from* e-mail address of the Cisco Unity Express IVR fax application, use the **default** command in Cisco Unity Express IVR fax configuration mode.

default default-from *email-address-string*

Syntax Description	<i>email-address-string</i>	E-mail address string of the <i>default-from</i> address of the fax application.
--------------------	-----------------------------	--

Command Default	None
-----------------	------

Command Modes	Cisco Unity Express IVR fax configuration
---------------	---

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples This example removes the Cisco Unity Express IVR fax *default-from* e-mail address of the fax application:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem fax
se-10-0-0-0(config-fax)# default default from name@domain.com
se-10-0-0-0(config-fax)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn subsystem fax–IVR Only	Displays the Cisco Unity Express IVR fax subsystem configuration settings.

default (ccn trigger http)–IVR Only

To reset the Cisco Unity Express IVR HTTP trigger values to their default values, use the **default** command in Cisco Unity Express IVR HTTP trigger configuration mode.

default { application | enabled | idletimeout | locale | maxsessions }

Syntax Description		
application		Has no effect on the application.
enabled		Enables the HTTP trigger. Use the no form of this command to disable the HTTP trigger.
idletimeout		Sets the idle timeout to 10,000 seconds.
locale		Sets the locale to “systemDefault.”
maxsessions		Sets the maximum number of sessions to the port license number. Use the no form of this command to set the number to 0.

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 **default** command to reset the HTTP trigger values to their default values.

Examples The following example resets the Cisco Unity Express IVR HTTP-based trigger values to their default values:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger http
se-10-0-0-0(config-trigger)# default application
se-10-0-0-0(config-trigger)# default enabled
se-10-0-0-0(config-trigger)# default idletimeout
se-10-0-0-0(config-trigger)# default locale
se-10-0-0-0(config-trigger)# default maxsessions
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 option to display the Cisco Unity Express IVR HTTP-based trigger settings.

default (ccn trigger jtapi)

To reset a CCN JTAPI trigger parameter to its default value, use the **default** command in CCN trigger JTAPI configuration mode. To disable the trigger or to set the number of maxsessions to 0, use the **no** form of this command.

default { **application** | **enabled** | **idletimeout** | **locale** | **maxsessions** }

no default { **enabled** | **maxsessions** }

Syntax Description

<i>application</i>	Has no effect on the application.
<i>enabled</i>	Enables the trigger. Use the no form of this command to disable the trigger.
<i>idletimeout</i>	Sets the idle timeout to 10,000 seconds.
<i>locale</i>	Sets the locale to “systemDefault.”
<i>maxsessions</i>	Sets the maximum number of sessions to the port license number. Use the no form of this command to set the number to 0.

Command Modes

CCN trigger JTAPI configuration

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 sessions to the port license number:

```
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)# default maxsessions
se-10-0-0-0(config-trigger)# 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 parameters used by all CCN applications.
show ccn trigger all	Displays all of the CCN application details.

default (ccn trigger sip)

To reset a CCN SIP trigger parameter to its default value, use the **default** command in CCN trigger SIP configuration mode. To disable the trigger or to set the number of maxsessions to 0, use the **no** form of this command.

default { **application** | **enabled** | **idletimeout** | **locale** | **maxsessions** }

no default { **enabled** | **maxsessions** }

Syntax Description

<i>application</i>	Has no effect on the application.
<i>enabled</i>	Enables the trigger. Use the no form of this command to disable the trigger.
<i>idletimeout</i>	Sets the idle timeout to 10,000 seconds.
<i>locale</i>	Sets the locale to "systemDefault."
<i>maxsessions</i>	Sets the maximum number of sessions to the port license number. Use the no form of this command to set the number to 0.

Command Modes

CCN trigger SIP configuration

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 sessions to the port license number:

```
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)# default maxsessions
se-10-0-0-0(config-trigger)# 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 parameters used by all CCN applications.
show ccn trigger all	Displays all of the CCN application details.

default ccm-manager (ccn subsystem jtapi)

To reset a Cisco Unified Communications Manager JTAPI subsystem parameter used by Cisco Unity Express to its default value, use the **default ccm-manager** command in Cisco Unity Express CCN subsystem JTAPI configuration mode.

```
default ccm-manager {address | username | password}
```

Syntax Description	Parameter	Description
	<i>address</i>	Sets the IP address of the Cisco Unified Communications Manager server to 0.0.0.0.
	<i>username</i>	Sets the CCM JTAPI username to an empty string.
	<i>password</i>	Sets the CCM JTAPI password to an empty string.

Command Modes CCN subsystem JTAPI configuration

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 Cisco Unified Communications Manager server address to 0.0.0.0.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# default ccm-manager address
se-10-0-0-0(config-jtapi)# 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 parameters used by all CCN applications.
	ccn subsystem jtapi	Configures CCM JTAPI parameters.
	ccn trigger sip phonenumber	Configures CCN trigger values for the applications.
	show ccn subsystem jtapi	Displays the CCN subsystem JTAPI details.

default ctiport (ccn subsystem jtapi)

To reset the Cisco Unified Communications Manager CTI port address to its default value (an empty string), use the **default ctiport** command in Cisco Unity Express CCN subsystem JTAPI configuration mode.

default ctiport

Syntax Description

This command has no arguments or keywords.

Command Modes

CCN subsystem JTAPI configuration

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 Cisco Unified Communications Manager CTI port address to an empty string.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# default ctiport
se-10-0-0-0(config-jtapi)# 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 parameters used by all CCN applications.
ccn subsystem jtapi	Configures the CCM JTAPI parameters.
ccn trigger sip phonenumber	Configures CCN trigger values for the applications.
show ccn subsystem jtapi	Displays the CCN subsystem JTAPI details.

default gateway (ccn subsystem sip)

To reset a SIP server parameter to its default value, use the **default gateway** command in Cisco Unity Express CCN subsystem SIP configuration mode.

```
default gateway {address | port}
```

Syntax Description

address	Sets the IP address of the SIP server to 0.0.0.0.
port	Sets the SIP port to 5060.

Command Modes

CCN subsystem SIP configuration

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 SIP server port to 5060.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# default gateway port
se-10-0-0-0(config-sip)# 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 parameters used by all CCN applications.
ccn subsystem sip	Configures the CCM JTAPI parameters.
ccn trigger sip phonenumber	Configures CCN trigger values for the applications.
show ccn subsystem sip	Displays the CCN subsystem SIP details.

default security password length min

To set the length of the security password to the default minimum, use the **default security password length min** command in Cisco Unity Express configuration mode.

default security password length min

Syntax Description This command has no arguments or keywords.

Defaults The password length is 3.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following example resets the password length:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# default security password length min
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	security password	Configures the system-wide password length and expiry time.
	show security detail	Displays the password and PIN settings.

default security pin length min

To set the length of the security PIN to the default minimum, use the **default security pin length min** command in Cisco Unity Express configuration mode.

default security pin length min

Syntax Description This command has no arguments or keywords.

Defaults The PIN length is 3.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following example resets the PIN length:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# default security pin length min
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	security pin	Configures the system-wide pin length and expiry time.
	show security detail	Displays the password and PIN settings.

default-from (ccn subsystem fax)–IVR Only

To configure the *default-from* address for the Cisco Unity Express IVR fax application, use the **default-from** command in Cisco Unity Express IVR fax configuration mode. Use the **no** form of this command to delete the *default-from* address.

default-from *email-address-string*

no default-from *email-address-string*

Syntax Description	<i>email-address-string</i> E-mail address string of the <i>default-from</i> address of the fax application.				
Command Modes	Cisco Unity Express IVR fax configuration				
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	3.0	This command was introduced.
Cisco Unity Express Version	Modification				
3.0	This command was introduced.				
Usage Guidelines	Enter a valid e-mail address string that is capable of receiving e-mail deliveries. This address must also be capable of receiving notifications of delivery failures.				
Examples	<p>The following example resets the fax <i>default-from</i> e-mail address:</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# ccn subsystem fax se-10-0-0-0(config-fax)# default-from name@domain.com se-10-0-0-0(config-fax)# end se-10-0-0-0(config)# exit</pre>				
Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>show ccn subsystem fax–IVR Only</td> <td>Displays the Cisco Unity Express IVR fax subsystem configuration settings.</td> </tr> </tbody> </table>	Command	Description	show ccn subsystem fax–IVR Only	Displays the Cisco Unity Express IVR fax subsystem configuration settings.
Command	Description				
show ccn subsystem fax–IVR Only	Displays the Cisco Unity Express IVR fax subsystem configuration settings.				

description (ccn application)

To specify an optional description for a CCN application, use the **description** command in Cisco Unity Express CCN application configuration mode. To remove the description, use the **no** form of this command.

description *"text"*

no description *"text"*

Syntax Description

text	Specifies a text description for the application. Use double quotes around the text.
------	--

Defaults

No string is defined.

Command Modes

CCN application configuration

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 adds a description for the CCN autoattendant application:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application autoattendant
se-10-0-0-0(config-application)# description "Version 1 AA"
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.

description (backup-schedule)

To configure a description for a scheduled backup job, use the **description** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** form of this command to remove the description for the backup job.

description *“text”*

no description *“text”*

Syntax Description	<i>“text”</i>	Describes the scheduled backup job.
---------------------------	---------------	-------------------------------------

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express scheduled backup configuration (config-sched)
----------------------	---

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	<p>The text of the description must be enclosed in quotes.</p> <p>The maximum length of the description is 64 characters. If a longer description is entered, it is truncated and a message is displayed indicating that truncation occurred.</p>
-------------------------	---

Examples	The following example configures a description for a daily scheduled backup:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup schedule 22
se-10-0-0-0(backup-schedule)# description "daily midnight backup"
```

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

description (ccn reporting historical)

To create a descriptive name for the Cisco Unity Express IVR reporting historical database, use the optional **description** command in Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to set the description to the configured hostname of the system.

description *word*

no description *word*

Syntax Description

<i>word</i>	The description of the reporting historical database.
-------------	---

Command Default

Hostname of the Cisco Unity Express system.

Command Modes

Cisco Unity Express IVR reporting historical configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced,

Usage Guidelines

Allows the database server to differentiate data among multiple Cisco Unity Express systems that save historical data to the same database, create a descriptive name for the Cisco Unity Express historical database.

Examples

The following example creates a database description for the Cisco Unity Express IVR reporting historical database:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# description cue-192-1-2-11
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

description (kron schedule)

To configure the description of the kron schedule, use the **description** command in Cisco Unity Express kron schedule configuration mode. Use the **no** form of this command to remove the description for the kron job.

description *“text”*

no description

Syntax Description	<i>“text”</i>	Describes the kron job.
---------------------------	---------------	-------------------------

Defaults	None.
-----------------	-------

Command Modes	Cisco Unity Express kron schedule configuration
----------------------	---

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

Usage Guidelines	<p>The text of the description must be enclosed in quotes.</p> <p>The maximum length of the description is 64 characters. If a longer description is entered, it is truncated and a message is displayed indicating that truncation occurred.</p>
-------------------------	---

Examples	The following example configures the description of the kron schedule to “monday”:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# kron schedule kron1234
se-10-0-0-0(kron-schedule)# description monday
```

Related Commands	Command	Description
	commands (kron schedule)	Enters the interactive mode to create the command block for a kron job.
	kron schedule	Creates a new kron schedule and enters kron-schedule configuration mode.
	show kron schedules	Displays a list of kron jobs.
	show kron schedule detail job	Displays details of a specific kron job.

description (site)

To configure a description for a specific site, use the **description** command in Cisco Unity Express site-configuration mode. Use the **no** form of the command to delete the description.

description "*text*"

no description

Syntax Description

<i>text</i>	Description for a specific site. The description can have a maximum of 64 characters and must be bracketed by quotes.
-------------	---

Defaults

No description is configured for the site.

Command Modes

Cisco Unity Express site-configuration

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

The description can have a maximum of 64 characters and must be bracketed by quotes.

Examples

The following example adds a description for a site called site1:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# site name site1
se-10-0-0-0 (site)# description "main office at 100 south first street"
se-10-0-0-0 (site)# exit
```

Related Commands

Command	Description
site name	Creates a site.
web username password (site)	Configures the Web username and Web password for a site.
web credentials hidden (site)	Configures the Web hidden credentials for a site
xml username password (site)	Configures the XML username and password for a site.
xml credentials hidden (site)	Configures the XML hidden credentials for a site

disabled (backup-schedule)

To configure a period time for the scheduled backup activity to be temporarily disabled, use the **disabled** command in Cisco Unity Express backup-schedule configuration mode. To remove the configured period of time to temporarily disable the backup, use the **no** form of this command.

disabled from *date to date*

no disabled from *date to date*

Syntax Description	from <i>date</i>	Specifies the date from which the backup activity is temporarily disabled. The format is MM/DD/YYYY.
	until <i>date</i>	Specifies the date until which the backup activity is temporarily disabled. The format is MM/DD/YYYY.

Defaults No default.

Command Modes Cisco Unity Express backup-schedule configuration

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

Usage Guidelines The format for the date is month, day, and then year (for example: 05/302010).

Examples The following example specifies to disable the scheduled backup from October 2, 2010 to October 6, 2010.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# backup schedule name 22
se-10-0-0-0(backup-schedule)# disabled from 10/02/2010 to 10/06/2010
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule configuration mode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

disabled (kron-schedule)

To configure a period time for the scheduled kron job to be temporarily disabled, use the **disabled** command in Cisco Unity Express kron-schedule configuration mode. To remove the configured period of time to temporarily disable the kron job, use the **no** form of this command.

disabled from *date to date*

no disabled from *date to date*

Syntax Description

from <i>date</i>	Specifies the date from which the kron job is temporarily disabled. The format is MM/DD/YYYY.
until <i>date</i>	Specifies the date until which the kron job is temporarily disabled. The format is MM/DD/YYYY.

Defaults

No default.

Command Modes

Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

The format for the date is month, day, and then year (for example: 05/302010).

Examples

The following example specifies to disable the scheduled kron job from October 2, 2010 to October 6, 2010:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# disabled from 10/02/2010 to 10/06/2010
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show backup schedule detail job	Shows details for the specified recurring scheduled kron job.

dtmf-relay

To set the SIP DTMF relay mechanism, use the **dtmf-relay** command in Cisco Unity Express SIP configuration mode. To use the default values, use the **no** or **default** form of this command.

```
dtmf-relay { rtp-nte | sub-notify | info | sip-notify }
```

```
no dtmf-relay
```

```
default dtmf-relay
```

Syntax Description		
	rtp-nte	Uses the media path to relay incoming and outgoing DTMF signals to Cisco Unity Express.
	sub-notify	Uses Subscribe and Notify messages to relay for incoming DTMF signals to Cisco Unity Express. This option is not available for outgoing DTMF signals from Cisco Unity Express.
	info	Uses the Info message to relay outgoing DTMF signals from Cisco Unity Express to the Cisco IOS SIP gateway.
	sip-notify	Uses Unsolicited-Notify messages to relay incoming and outgoing DTMF signals.

Defaults

sip-notify, **sub-notify** is the default combination.

Command Modes

Cisco Unity Express SIP configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

To use the **rtp-nte** option, verify that the Cisco IOS SIP gateway is configured to use Unsolicited NOTIFY for SIP calls, as shown in the following example:

```
dial-peer voice 1000 voip
  destination-pattern 6700
  session protocol sipv2
  session target ipv4:10.100.9.6
  dtmf-relay sip-notify rtp-nte
  codec g711ulaw
  no vad
```

To use the **sip-notify** option, verify that the Cisco IOS SIP gateway is configured to use Unsolicited NOTIFY for SIP calls, as shown in the following example:

```
dial-peer voice 1 voip
  destination-pattern 6700
  session protocol sipv2
  session target ipv4:10.100.9.6
  dtmf-relay sip-notify
  codec g711ulaw
  no vad
```

Configure more than one option for transferring DTMF signals. The order in which you configure the options determines their order of preference. To configure more than one signal option, specify them using a single **dtmf-relay** command.

Table 4 shows the various option combinations, the remote end capability, and the signaling option for incoming and outgoing DTMF signals.

Table 4 DTMF Relay Option Combinations

Cisco Unity Express Configuration	Option Supported at Remote End	Option Used for Incoming DTMF to Cisco Unity Express	Option Used for Outgoing DTMF from Cisco Unity Express
sub-notify	—	sub-notify	no DTMF
info	—	no DTMF	info
rtp-nte	rtp-nte	rtp-nte	rtp-nte
sip-notify	sip-notify	sip-notify	sip-notify
sip-notify, rtp-nte	rtp-nte, sip-notify	sip-notify ¹	sip-notify ¹
sip-notify, rtp-nte	rtp-nte	rtp-nte	rtp-nte
sip-notify, info	sip-notify	sip-notify	sip-notify
sip-notify, info	no support ²	no DTMF	info
sip-notify, sub-notify	sip-notify	sip-notify	sip-notify
sip-notify, sub-notify	no support ²	sub-notify	sub-notify
sip-notify, rtp-nte, info	rtp-nte	rtp-nte	rtp-nte
sip-notify, rtp-nte, info	sip-notify	sip-notify	sip-notify
sip-notify, rtp-nte, info	no support ²	no DTMF	info
sip-notify, rtp-nte, sub-notify	rtp-nte	rtp-nte	rtp-nte
sip-notify, rtp-nte, sub-notify	sip-notify	sip-notify	sip-notify
sip-notify, rtp-nte, sub-notify	no support ²	sub-notify	no DTMF
sub-notify, info	—	sub-notify	info
rtp-nte, sub-notify	rtp-nte	rtp-nte	rtp-nte
rtp-nte, sub-notify	no support ²	sub-notify	no DTMF
rtp-nte, info	rtp-nte	rtp-nte	rtp-nte
rtp-nte, info	no support ²	no DTMF	info
sip-notify, rtp-nte, sub-notify, info	sip-notify, rtp-nte	sip-notify	sip-notify
sip-notify, rtp-nte, sub-notify, info	rtp-nte	rtp-nte	rtp-nte
sip-notify, rtp-nte, sub-notify, info	no support ²	sub-notify	info

1. For incoming call. For outgoing call, the remote end decides between rtp-nte and sip-notify.

2. No support for rtp-nte and sip-notify.

Examples

The following example configures the options **sip-notify** and **rtp-nte** for handling DTMF signals.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# dtmf-relay sip-notify rtp-nte
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.
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.
transfer-mode	Sets the transfer mode used by Cisco Unity Express for SIP calls.



E

Last Updated: August 03, 2009

email domain (network location id)
enable (IMAP)
enable (network location)
enable (VoiceView Express)
enabled (ccn application)
enabled (ccn reporting historical)
enabled (ccn subsystem edbs dbprofile)—IVR Only
enabled (ccn trigger http)—IVR Only
enabled (ccn trigger jtapi)
enabled (ccn trigger sip)
erase startup-config
exec-commands (aaa accounting event)

email domain (network location id)

To configure the e-mail domain for a voice-mail location, use the **email** command in Cisco Unity Express location configuration mode. To remove the e-mail domain for a location, use the **no** form of this command.

email domain {*name* | *ip-address*}

no email domain {*name* | *ip-address*}

Syntax Description

name	Configures the e-mail domain hostname for the location.
ip-address	Configures the e-mail domain IP address for the location.

Defaults

No e-mail domain is configured.

Command Modes

Location configuration

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

This command configures the e-mail domain name or IP address for the location. The domain name is added when a VPIM message is sent to the remote location (for example, “4843000@mycompany.com”). If you do not configure a domain name or IP address, the Cisco Unity Express system at this location cannot receive network messages.

Using the **no** form of this command removes the e-mail domain from the specified location.



Caution

If you remove the e-mail domain for a remote network location, the system automatically disables networking from the Cisco Unity Express module to that location. If you remove the e-mail domain for the local location, then networking on that Cisco Unity Express module is disabled. To reenab a location, assign it a valid e-mail domain.

Examples

The following example configures the e-mail domain for network location 9 to 10.12.0.1.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# email domain 10.12.0.1
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)#
```

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.

enable (IMAP)

To enable the integrated messaging (IMAP) feature system wide, use the **enable** command in Cisco Unity Express IMAP mode. To disable the IMAP feature, use the **no** or **default** form of this command.

enable

no enable

default enable

Syntax Description This command has no arguments or keywords.

Defaults IMAP is disabled.

Command Modes Cisco Unity Express IMAP

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

Usage Guidelines This command is not available on the AIM.

Examples The following example enables the IMAP feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-imap)# enable
```

Related Commands	Command	Description
	groupname	Assigns the IMAP feature to a group.
	session idletimeout (IMAP)	Specifies the number of seconds before the session terminates.
	service imap	Enters the IMAP configuration mode.
	session security	Specifies the type of security connection.
	show imap configuration	Displays configured IMAP parameters.
	show imap sessions	Displays active IMAP sessions.

enable (network location)

To enable a network location to send and receive Cisco Unity Express voice mail messages, use the **enable** command in Cisco Unity Express location configuration mode. To disable the location, use the **no** form of this command.

enable

no enable

Syntax Description This command has no arguments or keywords.

Defaults Network locations are enabled.

Command Modes Cisco Unity Express location configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines Network locations are enabled by default to send and receive Cisco Unity Express voice mail messages. Use the **no enable** command to prevent communication to the location. Use the **enable** command to reestablish communication to the network location.



Note The **no enable** command does not erase the network location from the Cisco Unity Express database.

Examples The following example displays the details for network location 15 with networking disabled:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 15
se-10-0-0-0(config-location)# no enable
!!!WARNING!!!:Disabling location will disable
networking to/from this location.
Do you wish to continue[n]?:y
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit
se-10-0-0-0#
se-10-0-0-0# show network detail location id 15

Name:                houston
Abbreviation:        hou
Email domain:        how.cue.abcdef.com
Minimum extension length: 2
Maximum extension length: 15
Phone prefix:        4
VPIM encoding:       dynamic
```

enable (network location)

```

Send spoken name:      enabled
Send vCard:           enabled
State:                disabled
VPIM broadcast ID:    vpim-broadcast
Sent msg count:       1
Received msg count:   1

```

The following example reestablishes voice-mail transmission to and from network location 15.

```

se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 15
se-10-0-0-0(config-location)# enable
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit

```

Related Commands

Command	Description
network location	Specifies a network ID for a remote site.
show network detail local	Displays details of a specified network location.

enable (VoiceView Express)

To enable the VoiceView Express feature, use the **enable** command in Cisco Unity Express VoiceView mode. To disable the VoiceView Express feature, use the **no** or **default** form of this command.

enable

no enable

default enable

Syntax Description This command has no arguments or keywords.

Defaults VoiceView Express is enabled.

Command Modes Cisco Unity Express VoiceView Express

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM for version 2.3 and earlier.

Examples The following example enables the VoiceView Express feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service voiceview
se-10-0-0-0(config-voiceview)# enable
```

Related Commands	Command	Description
	session idletimeout (VoiceView Express)	Specifies the number of seconds before the session terminates.
	service voiceview	Enters the VoiceView Express configuration mode.
	show voiceview configuration	Displays configured VoiceView Express parameters.
	show voiceview sessions	Displays active VoiceView Express sessions.

enabled (ccn application)

To start an application, use the **enabled** command in Cisco Unity Express CCN configuration application mode. To disable the application, use the **no** form of this command.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Modes CCN 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 enables the autoattendant application.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application autoattendant
se-10-0-0-0(config-application)# enabled
se-10-0-0-0(config-application)# end
se-10-0-0-0(config)#
```

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.

enabled (ccn reporting historical)

To enable the Cisco Unity Express IVR reporting historical database, use the **enabled** command in the Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to disable the historical reporting database.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Default The reporting historical database is enabled.

Command Modes Cisco Unity Express IVR reporting historical configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines The reporting historical database is enabled by default. If the reporting historical database is disabled, call-related events are not stored in the database.

Examples The following example disables the Cisco Unity Express IVR reporting historical database:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# no enabled
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

enabled (ccn subsystem edbs dbprofile)–IVR Only

To enable the Cisco Unity Express IVR enterprise database system (EDBS) profile for use in the database steps for running scripts, use the **enabled** command in Cisco Unity Express IVR EDBS profile configuration mode. Use the **no** form of this command to disable the database.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Default The EDBS profile is enabled.

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 configuring the database profile parameters, use the **enabled** command to enable the Cisco Unity Express IVR EDBS profile for use with scripts.

Examples

The following example disables the EDBS profile *mydbprofile* using the **no** form of the command:

```
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)# no enabled
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 configuration settings.

enabled (ccn trigger http)–IVR Only

To enable the Cisco Unity Express IVR HTTP-based URL and application trigger, use the **enabled** command in Cisco Unity Express IVR HTTP trigger configuration mode. Use the **no** form of this command to disable the trigger from processing the incoming HTTP request.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Default The HTTP-based trigger is enabled.

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 configuring the HTTP trigger parameters, use the **enabled** command to start processing incoming HTTP requests.

Examples The following example enables an HTTP-based trigger application:

```
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)# application myapplication
se-10-0-0-0(config-trigger)# enabled
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 option to display the configured Cisco Unity Express IVR HTTP-based trigger settings.

enabled (ccn trigger jtapi)

To start a trigger, use the **enabled** command in Cisco Unity Express CCN configuration trigger mode. To disable the trigger, use the **no enabled** form of this command.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Modes CCN configuration trigger mode

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 enables the trigger 1234.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger jtapi phonenum 1234
se-10-0-0-0(config-trigger)# enabled
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	ccn trigger jtapi phonenum	Enters trigger configuration mode.
	show ccn trigger all	Displays the CCN trigger details.

enabled (ccn trigger sip)

To start a trigger, use the **enabled** command in Cisco Unity Express CCN configuration trigger mode. To disable the trigger, use the **no** form of this command.

enabled

no enabled

Syntax Description This command has no arguments or keywords.

Command Modes CCN configuration trigger mode

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 enables the trigger 1234.

```
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)# enabled
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)#
```

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

erase startup-config

To erase the startup configuration, use the **erase startup-config** command in Cisco Unity Express EXEC mode.

erase startup-config

Syntax Description This command has no arguments or keywords.

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.

Examples The following example deletes the startup configuration from flash memory:

```
se-10-0-0-0# erase startup-config
```

Related Commands	Command	Description
	write	Copies the running configuration to the startup configuration.

exec-commands (aaa accounting event)

To enable or disable the logging of EXEC mode commands, use the **exec-commands** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of EXEC mode commands. Use the **default** form of this command to restore the default setting (the logging of EXEC mode commands is enabled).

exec-commands

no exec-commands

default exec-commands

Syntax Description This command has no arguments or keywords.

Command Default The logging of EXEC mode commands is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of any Cisco Unity Express EXEC mode commands made using any interface except IMAP (CLI, GUI, TUI, and VVE).

Examples The following example disables the logging of EXEC mode commands:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no exec-commands
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.



F

Last Updated: April;14, 2008

[fallback-url \(Cisco Unified Communications Manager Express Only\)](#)

[fax gateway inbound address](#)

[fax gateway outbound address](#)

[fax print](#)

fallback-url (Cisco Unified Communications Manager Express Only)

To configure a fallback authentication server, use the **fallback-url** command in Cisco Unity Express phone authentication mode. To delete the fallback server URL, use the **no** form of this command.

fallback-url *server-url*

no fallback-url

Syntax Description	<i>server-url</i>	URL of the fallback server for VoiceView Express authentication.
---------------------------	-------------------	--

Defaults	No server is configured.
-----------------	--------------------------

Command Modes	Cisco Unity Express phone authentication
----------------------	--

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines	This command is not available on an NM running Cisco Unified Communications Manager or on an AIM for version 2.3 and earlier.
-------------------------	---

Configuring the fallback authentication server is necessary for Cisco Unified Communications Manager Express (Cisco Unified CME) systems.

Cisco Unity Express provides a primary authentication server for VoiceView Express authentication requests from Cisco Unified CME. If Cisco Unified CME is configured with several phone services that need authentication services, Cisco Unity Express directs those authentication requests to the fallback server.

The Cisco Unified CME administrator must ensure that Cisco Unified CME authentication server URL points to Cisco Unity Express authentication server. The URL format is **http://Cisco-Unity-Express-hostname/voiceview/authentication/authenticate.do**.

The Cisco Unity Express administrator must configure the Cisco Unity Express fallback authentication URL to point to the third-party fallback server. This URL has the format **http://servername/path/filename**.

Examples	The following example configures a fallback authentication server URL for Cisco Unity Express:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service phone-authentication
```

```

se-10-0-0-0(config-phone-authentication)# fallback-url
http://172.16.10.10/auth-server/authenticate.asp
se-10-0-0-0(config-phone-authentication)# end
se-10-0-0-0(config)#end
se-10-0-0-0#

```

Related Commands

Command	Description
enable (VoiceView Express)	Enables the VoiceView Express feature.
service voiceview	Enters the VoiceView Express configuration mode.
service phone-authentication	Enters phone authentication mode.
session idletimeout (VoiceView Express)	Specifies the inactivity timer for VoiceView Express.

fax gateway inbound address

To configure an inbound fax gateway, use the **fax gateway inbound address** command in Cisco Unity Express configuration mode. Use the **no** form of this command to delete this configuration.

fax gateway inbound address {*ip-address* | *hostname*}

no fax gateway inbound address {*ip-address* | *hostname*}

Syntax Description		
	<i>ip-address</i>	IP address of the fax gateway.
	<i>hostname</i>	DNS hostname of the fax gateway.

Command Default No fax gateway IP address or DNS hostname is configured.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	3.2	The system was modified to allow multiple instances of this command in the running configuration.

Usage Guidelines Use the **fax gateway inbound address** command in Cisco Unity Express configuration mode to specify the IP address or DNS hostname of the fax gateway that you want to use to receive faxes. The inbound fax gateway is also referred to as On-ramp. Repeating the command with a different IP address or hostname will overwrite the current configuration.

An error message appears when you enter:

- A DNS hostname without first configuring the DNS server
- An invalid IP address or DNS hostname

Examples The following example configures the inbound fax gateway IP address:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# fax gateway inbound address 172.16.20.50
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	show fax configuration	Displays the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.
	show voicemail fax restriction-table	Displays the name of the restriction table associated with the fax system.

fax gateway outbound address

To configure an outbound fax gateway, use the **fax gateway outbound address** command in Cisco Unity Express configuration mode. Use the **no** form of this command to delete this configuration.

fax gateway outbound address {*ip-address* | *hostname*}

no fax gateway outbound address {*ip-address* | *hostname*}

Syntax Description

<i>ip-address</i>	IP address of the fax gateway.
<i>hostname</i>	DNS hostname of the fax gateway.

Command Default

No fax gateway IP address or DNS hostname is configured.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **fax gateway outbound address** command in Cisco Unity Express configuration mode to specify the IP address or DNS hostname of the fax gateway that you want to use to send faxes. The outbound fax gateway is also referred to as Off-ramp. Repeating the command with a different IP address or hostname will overwrite the current configuration.

An error message appears when you enter:

- A DNS hostname without first configuring the DNS server
- An invalid IP address or DNS hostname

Examples

The following example configures the outbound fax gateway IP address:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# fax gateway outbound address 172.16.20.50
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
show fax configuration	Displays the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.
show voicemail fax restriction-table	Displays the name of the restriction table associated with the fax system.

fax print

To configure the system-level fax number used to print faxes, use the **fax print** command in Cisco Unity Express configuration mode. Use the **no** form of this command to delete this configuration.

fax print *E.164-number* [**site** *site-name*]

no fax print *E.164* [**site** *site-name*]

Syntax Description		
<i>E.164-number</i>		System-level fax number.
site		Configure the system-level fax number for a remote site
<i>site-name</i>		Name of the remote site for which to configure the system-level fax number.

Command Default No system-level fax number is configured.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	3.2	This command was extended to allow the configuration of other sites.

Usage Guidelines Use the **fax print** command in Cisco Unity Express configuration mode to configure the system-level fax number used to print the faxes. On successful completion of this command, the system gives users the option to print the fax on a system-configured number.

An error message appears when you enter an extension with an incorrect length. The maximum allowed is 15 characters.

Examples The following example sets the system-level fax number to 555-0112:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# fax print 5550112
```

Related Commands	Command	Description
	show fax configuration	Displays the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.

Command	Description
show network detail location id	Displays network information for a specified Cisco Unity Express location ID.
show voicemail fax restriction-table	Displays the name of the restriction table associated with the fax system.



G

Last Updated: August 03, 2009

[gateway address \(ccn subsystem sip\)](#)

[gateway port \(ccn subsystem sip\)](#)

[greeting](#)

[groupname](#)

[groupname notification cascade-to after](#)

[groupname privilege](#)

[groupname profile \(phone-device\)](#)

[groupname profile email](#)

[groupname profile num-pager](#)

[groupname profile text-pager](#)

gateway address (ccn subsystem sip)

To configure the IP address of the SIP proxy server, use the **gateway address** command in Cisco Unity Express SIP configuration mode. To remove the address, use the **no** form of this command.

gateway address *ip-address*

no gateway address

Syntax Description	<i>ip-address</i>	IP address of the SIP proxy server. The default value is 0.0.0.0.
---------------------------	-------------------	---

Defaults	IP address 0.0.0.0
-----------------	--------------------

Command Modes	Cisco Unity Express SIP configuration
----------------------	---------------------------------------

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 configures a SIP proxy server address of 10.2.34.1:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# gateway address 10.2.34.1
se-10-0-0-0(config-sip)# end
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	show ccn subsystem sip	Displays details for the SIP subsystem.

gateway port (ccn subsystem sip)

To configure the UDP or TCP port on the SIP proxy server, use the **gateway port** command in Cisco Unity Express SIP configuration mode. To remove the port, use the **no** form of this command.

gateway port *port-number*

no gateway port

Syntax Description	<i>port-number</i>	UDP or TCP port on the SIP proxy server. The default value is 5060.
---------------------------	--------------------	---

Defaults	Port 5060
-----------------	-----------

Command Modes	Cisco Unity Express SIP configuration
----------------------	---------------------------------------

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 configures the SIP proxy server port to 23:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem sip
se-10-0-0-0(config-sip)# gateway port 23
se-10-0-0-0(config-sip)# end
se-10-0-0-0(config)#
```

Related Commands	Command	Description
	show ccn subsystem sip	Displays details for the SIP subsystem.

greeting

To use an uploadable and configurable alternate greeting, use the **greeting** command in Cisco Unity Express mailbox configuration mode. Use the **no** or **default** form of this command to disable the greeting.

```
greeting {alternate | meeting | vacation | extended-absence | busy | internal | closed} {enable | enable until month month day day time hh:mm } recording-type {user-recording | none | system-default}
```

```
no greeting {alternate | meeting | vacation | extended-absence | busy | internal | closed} {enable | enable until month month day day time hh:mm } recording-type {user-recording | none | system-default}
```

Syntax Description

alternate	Enable, record, or download an alternate greeting.
meeting	Enable, record, or download a meeting greeting.
vacation	Enable, record, or download a vacation greeting.
extended-absence	Enable, record, or download a extended-absence greeting.
busy	Enable, record, or download a busy greeting.
internal	Enable, record, or download a internal greeting.
closed	Enable, record, or download a closed greeting.
enable	Enable a greeting.
enable until	Enable a greeting until the specified date and time.
month <i>month</i>	Month until which the greeting will be active.
day <i>day</i>	Day until which the greeting will be active.
time <i>hh:mm</i>	Time until which the greeting will be active
recording-type	Type of recording that you want use for the mailbox.
user-recording	Use the user recording.
none	Do not use a recording.
system-default	Use the system default recording.

Command Default

The recording type is **user-recording**.

Command Modes

Cisco Unity Express mailbox configuration (config-mailbox)

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.
7.1	This command was modified to include the use of an uploadable and configurable alternate greeting.

Usage Guidelines

An administrator or a user that has been assigned a privilege that allows the *user.mailbox* operation can configure a greeting for any mailbox. Subscribers that has not be assigned the privilege to use any operations, can still configure their own mailbox.

The **enable** keyword removes any setting configured by the **enabled until** keyword. You can set the time for the **enabled until** keyword up to a year in the future.

You cannot disable the standard greeting; it is always enabled.

Greeting commands in the mailbox mode are not stored in startup configuration and will therefore not be displayed in the output of the **show run** command.

If you configure a mailbox to play the user-recording but no user recording exists, the system-default recording will be played. This allows you to enable the user-recording greeting and record it later.

Because the default greeting type is user-recording, the **no** or **default** version of the **greeting type recording-type** command sets the recording type to **user-recording**.

Setting the recording-type to **none** does not delete the recording. To delete the greeting, use the **voice mailbox delete owner owner greeting type user-recording** command.

Examples

The following example shows how to enable a vacation greeting until May 24 at 10 am:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user-8
se-10-0-0-0(config-mailbox)# greeting vacation enable until month May day 24 time 10:00
```

The following example shows how to use a user recording as the extended absence greeting:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user-8
se-10-0-0-0(config-mailbox)# greeting extended-absence recording-type user-recording
```

The following example shows how to download a greeting for when your business is closed:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user-8
se-10-0-0-0(config-mailbox)# greeting closed url http://download.com username user4
password pass4
```

Related Commands

Command	Description
show voicemail	Shows the properties of the voice-mail system
voice mailbox owner	Enters mailbox configuration submenu.

groupname

To configure a Cisco Unity Express group, use the **groupname** command in either Cisco Unity Express EXEC mode or configuration mode.

EXEC Mode

groupname *name* [**create** | **delete** | **description** “*description*” | **fullname display** “*full-name*”]

Configuration Mode

groupname *name* [**create** | **member** *username* | **owner** *ownername* | **phonenumber** *phone-number* | **phonenumberE164** *full-number* | **privilege** *privilege-name*]

Syntax Description

<i>name</i>	The name of the group.
create	(Optional) Creates a group with no other information.
delete	(Optional) Deletes the group.
description “ <i>description</i> ”	(Optional) Specifies a description of the group. The description must be enclosed in double quotes (“”).
fullname display “ <i>full-name</i> ”	(Optional) Specifies a long name of the group as it should appear on other telephone displays. The name must be entered in double quotes (“”).
member <i>username</i>	(Optional) Associates an existing subscriber as a member of this group. If the <i>username</i> value does not exist, this command will create it with no other information.
owner <i>ownername</i>	(Optional) Specifies the subscriber who owns this group.
phonenumber <i>phone-number</i>	(Optional) Associates an extension or number with this group.
phonenumberE164 <i>full-number</i>	(Optional) Associates a full telephone number and area code with this group.
privilege <i>privilege-name</i>	(Optional) Assigns a privilege to the group.

Command Modes

Cisco Unity Express EXEC
Cisco Unity Express configuration

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.

Cisco Unity Express Version	Modification
2.1	Additional privileges were made available: broadcast, ViewPrivateList, and ManagePublicList.
2.3	The vm-imap and local-broadcast privileges were implemented on the NM-CUE and NM-CUE-EC modules.
3.0	The vm-imap privilege was implemented on the AIM-CUE.

Usage Guidelines

The EXEC version of the command stores the permitted information in Cisco Unity Express flash memory. If a problem with the disk occurs, this information is available so that the group members may access the group's voice mailbox.

The configuration version of the command is stored in the Cisco Unity Express system configuration file. If a power outage or a system shutdown occurs, the group information can be retrieved.

Several privileges are available:

- **Superuser**—An administrator, also called a *superuser*, has the capability, or privilege, of accessing all the configuration and maintenance functions, including the Administration via Telephone (AvT).
- **ManagePrompts**—The prompt management subscriber has access to the AvT but not to any other administrative functions.
- **Broadcast**—The broadcast privilege permits the subscriber to send broadcast messages across the network.
- **ManagePublicList**—The ManagePublicList privilege permits the subscriber to create and modify public distribution lists.
- **ViewPrivateList**—The ViewPrivateList privilege allows the subscriber to view another subscriber's private distribution lists. The ViewPrivateList subscriber can not modify or delete the private lists.

These privilege levels are assigned to a group, and any member of the group is granted the privilege rights. The software initialization process created an Administrator group from the imported subscribers designated as administrators. Other groups can be created with these privileges. Assign subscribers to an existing group using the CLI commands or the GUI option **Configuration > Users**.

Assign the vm-imap privilege to one or more groups so that the group members can access the integrated messaging feature. Subscribers who are not members of a group with the vm-imap privilege will not be able to access the integrated messaging feature.

To display the current list of privileges, use the **show privileges** command in Cisco Unity Express EXEC mode. Use the **show groups privileges** command to display the privileges assigned to each group.

Examples

The following example creates the group Sales with two members, one owner, and two privileges:

```
se-10-0-0-0> enable
se-10-0-0-0# groupname sales fullname display "Sales New York"
se-10-0-0-0# groupname sales description "Sales group in New York branch"
se-10-0-0-0# config t
se-10-0-0-0(config)# groupname sales phonenumber 50120
se-10-0-0-0(config)# groupname sales phonenumberE164 12225550120
se-10-0-0-0(config)# groupname sales member user4
se-10-0-0-0(config)# groupname sales member user5
se-10-0-0-0(config)# groupname sales owner user6
se-10-0-0-0(config)# groupname sales privilege broadcast
se-10-0-0-0(config)# groupname sales privilege ManagePublicList
se-10-0-0-0(config)# exit
```

The following example assigns the integrated messaging feature to the sales group:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# groupname sales privilege vm-imap
se-10-0-0-0(config)# exit
```

The following example assigns the local broadcast privilege to the engineers group:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# groupname engineers privilege local-broadcast
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
groupname	Configures voice-mail group parameters.
maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
service imap	Enters IMAP configuration mode.
session idletimeout (IMAP)	Specifies the IMAP session idletimeout value.
session security	Sets the IMAP client connection type.
show group detail groupname	Displays the configuration details for a specific group.
show groups	Displays a list of configured group names.
show groups privileges	Displays the privileges for all configured groups.
show imap configuration	Displays all IMAP configuration parameters.
show imap sessions	Displays all active IMAP sessions.
show privileges	Displays a list of available privileges.
show users	Displays a list of configured usernames.
username (configuration)	Configures a Cisco Unity Express subscriber.

groupname notification cascade-to after

To define a rule for cascading a notification, use the **groupname notification cascade-to after** command in Cisco Unity Express EXEC mode. Use the **no** form of this command to remove the rule and disable cascading to the specified group.

groupname *group-id* **notification cascade-to** *uid* **after** *minutes*

no **groupname** *group-id* **notification cascade-to** *uid* **after** *minutes*

Syntax Description

<i>group-id</i>	ID of the group for whom notification cascading is being configured.
<i>uid</i>	ID of the group to whom cascaded notification is being sent.
<i>minutes</i>	Amount of time after which the notification cascade occurs.

Command Default

There are no notification cascading rules defined for the subscriber.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **groupname notification cascade-to after** command in Cisco Unity Express configuration mode to define:

- The group for whom notification cascading is being configured.
- The group to whom cascaded notification is being sent.
- The amount of time after which the notification cascade occurs.

An error message appears when:

- The specified group, or profile does not exist on the local system.
- The group exists but a rule is already defined to cascade to that group.
- The group does not have a mailbox.
- The group cannot define a rule to cascade notification to himself.
- The maximum number of groups have already been configured for cascading.
- The time is outside the allowed range.
- The time is within the allowed range, but a rule is already defined to cascade notification at that time.

Examples

The following example define a rule to cascade notification from group22 to group 42 after 10 minutes:

```
se-10-0-0-0# groupname group22 notification cascade-to group42 after 10
```

Related Commands	Command	Description
	show voicemail notification	Displays the message notification configuration.
	show voicemail notification owner cascade	Displays the details of the message notification configuration for a specific group.
	show voicemail notification restriction-table	Displays information about the restriction table associated with the non-subscriber message delivery feature.

groupname privilege

To assign viewing privileges for the Cisco Unity Express IVR reporting historical or real-time statistics, use the **groupname** command in global configuration mode. Use the **no** form of this command to delete the historical report viewing privileges from the specified group.

```
groupname group-name privilege { ViewHistoricalReports | ViewRealTime }
```

```
no groupname group-name privilege { ViewHistoricalReports | ViewRealTime }
```

Syntax Description	
<i>group-name</i>	Name of the group.
ViewHistoricalReports	Assigns the specified group name the privilege of viewing the historical statistics reports.
ViewRealTime	Assigns the specified group name the privilege of viewing the real-time statistics.

Command Default None

Command Modes Global configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines The Cisco Unity Express IVR real-time statistics collection tool provides real-time statistics for key workflow components, such as contacts, application tasks, and engine tasks. This feature provides summary or detailed real-time statistics for each contract or application. With real-time statistics, the summary values provide only the information accumulated since the last time the statistics were cleared. Clear the accumulated summary statistical data manually, by using the GUI interface, or automatically at midnight, by setting up a daily schedule.

If the specified group does not exist on the system, an error message appears.

Examples The following example assigns Cisco Unity Express IVR historical statistics report viewing privileges to the groupname *myGroup*:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# groupname myGroup privilege ViewHistoricalReports
se-10-0-0-0(config)# exit
se-10-0-0-0#
```

Related Commands	Command	Description
	show groups privileges	Displays privileges of the specified group name.

groupname profile (phone-device)

To configure a group's cell phone for message notification, use the **groupname profile (phone device)** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the cell phone, use the **no** or **default** form of this command.

```
groupname group-id profile vm-notif-profile { cell-phone | home-phone | work-phone }
  { enable
  extra-digits digits
  phonenumber phonenumber
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm }
```

```
no groupname group-id profile vm-notif-profile { cell-phone | home-phone | work-phone }
  { enable
  extra-digits digits
  phonenumber phonenumber
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm }
```

```
default groupname group-id profile vm-notif-profile { cell-phone | home-phone | work-phone }
  preference {all | urgent}
```

Syntax Description

<i>group-id</i>	ID for the voice-mail group that owns the cell phone.
cell-phone home-phone work-phone	Phone device that should receive message notifications.
enable	Enables the device in the group's profile.
extra-digits <i>digits</i>	Extra digits to be sent as DTMF digits. Valid values include numbers 0 to 9, pound or hash mark (#), star (*), and plus (+) for a 1-second pause.
phonenumber <i>phonenumber</i>	Phone number of the group's phone. Valid values include digits 0 to 9.
preference { all urgent }	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm to hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.

Defaults

Cell phone notifications are disabled.
Default preference is **urgent**.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per group. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The group does not exist in the system.
- The group does not have a mailbox.
- *phonenumber* is a restricted number.
- More than 64 digits are entered for *digits*.
- A valid phone number is not assigned to the device.
- The administrator has disabled message notification on a system-wide basis.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this group's preference to **all**.
- The schedule start time is later than the schedule end time.

Using the **no** or **default** form of this command results in the following conditions:

- **no groupname group-id profile vm-notif-profile {cell-phone | home-phone | work-phone} enable** disables the sending of notifications to the device.
- **no groupname group-id profile vm-notif-profile {cell-phone | home-phone | work-phone} extra-digits** removes the extra digits assigned to the device.
- **no groupname group-id profile vm-notif-profile {cell-phone | home-phone | work-phone} phonenumber** removes the phone number from the device and automatically disables the device.
- **no (or default) groupname group-id profile vm-notif-profile {cell-phone | home-phone | work-phone} preference** sets the notification preference to **urgent**.
- **no groupname group-id profile vm-notif-profile {cell-phone | home-phone | work-phone} schedule day day-of-week active from hh:mm to hh:mm** deactivates the sending of notifications for the specified time slot.

Examples

The following example configures the cell phone for group sales:

```
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone phonenumber 1225550150
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone enable
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone extra-digits 9
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone all
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone schedule day 2 active
from 08:00 to 17:00
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone schedule day 3 active
from 08:00 to 12:00
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone schedule day 4 active
from 13:00 to 16:00
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone schedule day 5 active
from 08:00 to 14:00
```

```
se-10-0-0-0# groupname sales profile vm-notif-profile cell-phone schedule day 6 active
from 08:00 to 17:00
```

Related Commands

Command	Description
groupname profile email	Configures notification parameters for a group's e-mail.
groupname profile num-pager	Configures notification parameters for a group's numeric pager.
groupname profile text-pager	Configures notification parameters for a group's text pager.
show voicemail notification owner	Displays the voicemail notification configuration for a specified subscriber or group.

groupname profile email

To configure a group's e-mail for message notification, use the **groupname profile email** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the e-mail device, use the **no** or **default** form of this command.

```
groupname group-id profile vm-notif-profile email
  {address email-address
  attach
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
no groupname group-id profile vm-notif-profile email
  {address email-address
  attach
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
default groupname group-id profile vm-notif-profile email attach
```

```
default groupname group-id profile vm-notif-profile email preference {all | urgent}
```

Syntax Description

<i>groupname</i>	ID for the voice-mail group who owns the e-mail.
address <i>email-address</i>	E-mail address to which an outgoing text notification will be sent.
attach	Enables a voice message to be attached to the outgoing e-mail notification. The default is disabled.
enable	Enables the device in the group's profile.
preference { all urgent }	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm to hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.
text <i>email-text</i>	Text of the message that will be appended to the outgoing e-mail notification. The message can contain all alphanumeric characters except question mark (?). The maximum message length is 128 characters.

Defaults

E-mail notifications are disabled.
E-mail attachments are disabled.
Default preference is **urgent**.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines The system creates one default notification profile with the filename **vm-notif-profile** per group. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The group does not exist in the system.
- The group does not have a mailbox.
- The administrator has disabled message notification on a system-wide basis.
- The administrator has disabled e-mail attachments on a system-wide basis.
- E-mail is enabled before the e-mail address is defined.
- E-mail is enabled and an SMTP server is not configured.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this group's preference to **all**.
- The schedule start time is later than the schedule end time.
- E-mail text contains a question mark (?).
- E-mail text is longer than 128 characters.

Using the **no** or **default** form of this command results in the following conditions:

- **no groupname group-id profile vm-notif-profile email enable** disables the sending of notifications to the device.
- **no groupname group-id profile vm-notif-profile email address email-address** removes the e-mail address assigned to the device and automatically disables the device.
- **no** (or **default**) **groupname group-id profile vm-notif-profile email attach** disables attaching voice messages to outgoing e-mail notifications for this device.
- **no** (or **default**) **groupname group-id profile vm-notif-profile email preference** sets the notification preference to **urgent**.
- **no groupname group-id profile vm-notif-profile email schedule day day-of-week active from hh:mm to hh:mm** deactivates the sending of notifications for the specified time slot.
- **no groupname group-id profile vm-notif-profile email text** removes the text associated with this device.

Examples The following example configures the cell phone for group sales:

```
se-10-0-0-0# groupname sales profile vm-notif-profile email address group1@company.com
se-10-0-0-0# groupname sales profile vm-notif-profile email enable
se-10-0-0-0# groupname sales profile vm-notif-profile email attach
se-10-0-0-0# groupname sales profile vm-notif-profile email all
```

```

se-10-0-0-0# groupname sales profile vm-notif-profile email schedule day 3 active from
08:00 to 10:00
se-10-0-0-0# groupname sales profile vm-notif-profile email text "Sales meeting scheduled
in main office conference room C 1:00-3:00 p.m. 4/19/06"

```

Related Commands

Command	Description
groupname profile (phone-device)	Configures notification parameters for a group's cell phone.
groupname profile num-pager	Configures notification parameters for a group's numeric pager.
groupname profile text-pager	Configures notification parameters for a group's text pager.
show voicemail notification owner	Displays the voicemail notification configuration for a specified subscriber or group.

groupname profile num-pager

To configure a group's numeric pager for message notification, use the **groupname profile num-pager** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the home phone, use the **no** or **default** form of this command.

```
groupname group-id profile vm-notif-profile num-pager
  {enable
  extra-digits digits
  phonenumber phonenumber
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm}
```

```
no groupname group-id profile vm-notif-profile num-pager
  {enable
  extra-digits digits
  phonenumber phonenumber
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm}
```

```
default groupname group-id profile vm-notif-profile num-pager preference {all | urgent}
```

Syntax	Description
<i>group-id</i>	ID for the voice-mail group who owns the numeric pager.
enable	Enables the device in the group's profile.
extra-digits <i>digits</i>	Extra digits to be sent as DTMF digits. Valid values include numbers 0 to 9, pound or hash mark (#), star (*), and plus (+) for a 1-second pause.
phonenumber <i>phonenumber</i>	Phone number of the group's numeric pager. Valid values include digits 0 to 9.
preference { all urgent }	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm to hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.

Defaults
Numeric pager notifications are disabled.
Default preference is **urgent**.

Command Modes
Cisco Unity Express EXEC

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

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per group. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The group does not exist in the system.
- The group does not have a mailbox.
- *phonenumber* is a restricted number.
- More than 64 digits are entered for *digits*.
- A valid phone number is not assigned to the device.
- The administrator has disabled message notification on a system-wide basis.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this group's preference to **all**.
- The schedule start time is later than the schedule end time.

Using the **no** or **default** form of this command results in the following conditions:

- **no groupname group-id profile vm-notif-profile num-pager enable** disables the sending of notifications to the device.
- **no groupname group-id profile vm-notif-profile num-pager extra-digits** removes the extra digits assigned to the device.
- **no groupname group-id profile vm-notif-profile num-pager phonenumber** removes the phone number from the device and automatically disables the device.
- **no (or default) groupname group-id profile vm-notif-profile num-pager preference** sets the notification preference to **urgent**.
- **no groupname group-id profile vm-notif-profile num-pager schedule day day-of-week active from hh:mm to hh:mm** deactivates the sending of notifications for the specified time slot.

Examples

The following example configures the cell phone for group sales:

```
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager phonenumber 12225550150
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager enable
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager extra-digits 9
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager all
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager schedule day 2 active from
08:00 to 17:00
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager schedule day 3 active from
08:00 to 12:00
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager schedule day 4 active from
13:00 to 16:00
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager schedule day 5 active from
08:00 to 14:00
se-10-0-0-0# groupname sales profile vm-notif-profile num-pager schedule day 6 active from
08:00 to 17:00
```

Related Commands	Command	Description
	groupname profile (phone-device)	Configures notification parameters for a group's cell phone.
	groupname profile email	Configures notification parameters for a group's e-mail.
	groupname profile text-pager	Configures notification parameters for a group's text pager.
	show voicemail notification owner	Displays the voicemail notification configuration for a specified subscriber or group.

groupname profile text-pager

To configure a group's text pager for message notification, use the **groupname profile text-pager** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the text pager device, use the **no** or **default** form of this command.

```
groupname group-id profile vm-notif-profile text-pager
  {address email-address
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
no groupname group-id profile vm-notif-profile text-pager
  {address email-address
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text message-text}
```

```
default groupname group-id profile vm-notif-profile text-pager preference {all | urgent}
```

Syntax	Description
<i>group-id</i>	ID for the voice-mail group who owns the text pager.
address <i>email-address</i>	E-mail address to which an outgoing text notification will be sent.
enable	Enables the device in the group's profile.
preference { all urgent }	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm to hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.
text <i>message-text</i>	Text of the message that will be appended to the outgoing text pager notification. The message can contain all alphanumeric characters except question mark (?). The maximum message length is 128 characters.

Defaults
Text pager notifications are disabled.
Default preference is **urgent**.

Command Modes
Cisco Unity Express EXEC

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

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per group. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The group does not exist in the system.
- The group does not have a mailbox.
- The administrator has disabled message notification on a system-wide basis.
- Text paging is enabled before the e-mail address is defined.
- Text paging is enabled and an SMTP server is not configured.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this group's preference to **all**.
- The schedule start time is later than the schedule end time.
- Message text contains a question mark (?).
- Message text is longer than 128 characters.

Using the **no** or **default** form of this command results in the following conditions:

- **no groupname group-id profile vm-notif-profile text-pager enable** disables the sending of notifications to the device.
- **no groupname group-id profile vm-notif-profile text-pager address email-address** removes the e-mail address assigned to the device and automatically disables the device.
- **no (or default) groupname group-id profile vm-notif-profile text-pager preference** sets the notification preference to **urgent**.
- **no groupname group-id profile vm-notif-profile text-pager schedule day day-of-week active from hh:mm to hh:mm** deactivates the sending of notifications for the specified time slot.
- **no groupname group-id profile vm-notif-profile text-pager text** removes the text associated with this device.

Examples

The following example configures the cell phone for group sales:

```
se-10-0-0-0# groupname sales profile vm-notif-profile text-pager address sales@company.com
se-10-0-0-0# groupname sales profile vm-notif-profile text-pager enable
se-10-0-0-0# groupname sales profile vm-notif-profile text-pager all
se-10-0-0-0# groupname sales profile vm-notif-profile text-pager schedule day 3 active
from 08:00 to 10:00
se-10-0-0-0# groupname sales profile vm-notif-profile text-pager text "Sales meeting
scheduled in main office conference room C 1:00-3:00 p.m. 4/19/06"
```

Related Commands

Command	Description
groupname profile (phone-device)	Configures notification parameters for a group's cell phone.
groupname profile email	Configures notification parameters for a group's e-mail.

Command	Description
<code>groupname profile num-pager</code>	Configures notification parameters for a group's numeric pager.
<code>show voicemail notification owner</code>	Displays the voicemail notification configuration for a specified subscriber or group.



H

Last Updated: May 1, 2006

[hostname](#)

hostname

To configure the hostname for the Cisco Unity Express applications, use the **hostname** command in Cisco Unity Express configuration mode. To change the hostname to the default hostname, use the **no** form of this command.

hostname *hostname*

no hostname *hostname*

Syntax Description

<i>hostname</i>	Name of the host system. Do not include the domain name.
-----------------	--

Defaults

IP address of the Cisco Unity Express module

Command Modes

Cisco Unity Express configuration

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

The *hostname* value identifies the Cisco Unity Express module. The default value is the IP address of the module.

Cisco Unity Express uses the *hostname* value in the module prompt.

Examples

The following example changes the hostname of the module with IP address 10.0.0.0 to mybranch and then restores the default hostname:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# hostname mybranch
mybranch(config)# no hostname mybranch
se-10-0-0-0(config)#
```

Related Commands

Command	Description
ip domain-name	Specifies the DNS domain name.
ip name-server	Specifies the DNS server name.

Command	Description
ntp server	Specifies the NTP clocking server.
show hosts	Displays all configured hosts.



Last Updated: January 12, 2009

[idletimeout \(ccn trigger http\)–IVR Only](#)

[idletimeout \(ccn trigger jtapi\)](#)

[idletimeout \(ccn trigger sip\)](#)

[imap \(aaa accounting event\)](#)

[ip domain-name](#)

[ip name-server](#)

idletimeout (ccn trigger http)–IVR Only

To specify the number of milliseconds to wait before dropping the HTTP request for a Cisco Unity Express IVR HTTP trigger event, use the **idletimeout** command in Cisco Unity Express IVR HTTP trigger configuration mode. Use the **no** form of this command to delete the timeout value.

idletimeout *milliseconds*

no idletimeout *milliseconds*

Syntax Description	<i>milliseconds</i>	Number of milliseconds to wait before dropping the HTTP request for an Cisco Unity Express IVR HTTP trigger event.
---------------------------	---------------------	--

Command Default The default time to wait before dropping an HTTP request is 10,000 milliseconds.

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 successfully completing the **ccn trigger http** command, use the **idletimeout** command to configure the idle timeout value (in milliseconds) for the trigger. The idle timeout value is the time that the subsystem waits before dropping the HTTP request. Use the **default** form of this command to set the idle timeout value to 10000.

Examples The following example sets the Cisco Unity Express IVR HTTP trigger idle timeout to 15,000 milliseconds (or 15 seconds):

```
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)# idletimeout 15000
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 option to display the Cisco Unity Express IVR HTTP-based trigger settings.

idletimeout (ccn trigger jtapi)

To specify the number of milliseconds to wait for a caller's response before the call is disconnected, use the **idletimeout** command in Cisco Unity Express CCN configuration trigger mode. Use the **no** form of this command to delete the timeout value.

idletimeout *milliseconds*

no idletimeout *milliseconds*

Syntax Description	<i>milliseconds</i>	The number of milliseconds to wait for a caller's response before the call is disconnected. The default is 10,000 milliseconds.
---------------------------	---------------------	---

Defaults	10,000 milliseconds
-----------------	---------------------

Command Modes	CCN 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 idle timeout to 15,000 milliseconds (15 seconds).

```
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)# idletimeout 15000
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)#
```

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

idletimeout (ccn trigger sip)

To specify the number of milliseconds to wait for a caller's response before the call is disconnected, use the **idletimeout** command in Cisco Unity Express CCN configuration trigger mode. Use the **no** form of this command to delete the timeout value.

idletimeout *milliseconds*

no idletimeout *milliseconds*

Syntax Description	<i>milliseconds</i>	The number of milliseconds to wait for a caller's response before the call is disconnected. The default value is 10,000 milliseconds.
---------------------------	---------------------	---

Defaults	10,000 milliseconds
-----------------	---------------------

Command Modes	CCN 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 idle timeout to 15,000 milliseconds (15 seconds).

```
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)# idletimeout 15000
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)#
```

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

imap (aaa accounting event)

To enable or disable the logging of events for the IMAP system, use the **imap** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging for IMAP. Use the **default** form of this command to restore the default setting (the logging for IMAP is disabled).

imap

no imap

default imap

Syntax Description This command has no arguments or keywords.

Defaults The logging IMAP events is disabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of all IMAP events, including:

- Logins
- Failed logins
- Logouts
- EXEC mode commands
- Configuration mode commands

Examples The following example disables the logging of IMAP events:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no imap
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.

Command	Description
aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

ip domain-name

To configure the domain name server (DNS) domain name, use the **ip domain-name** command in Cisco Unity Express configuration mode. To delete the domain name, use the **no** form of this command.

ip domain-name *dns-server-domain-name*

no ip domain-name

Syntax Description

dns-server-domain-name Domain name for the DNS server.

Defaults

No domain name is configured.

Command Modes

Cisco Unity Express configuration

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 with the **ip name-server** command to configure the DNS server.

Examples

The following example changes the domain name to mycompany.com:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ip domain-name mycompany.com
se-10-0-0-0(config)# ip name-server 10.0.61.1
```

Related Commands

Command	Description
hostname	Specifies the server that stores the Cisco Unity Express applications.
ip name-server	Specifies the DNS server name.
ntp server	Specifies the NTP clocking server.
show hosts	Displays all configured hosts.
show ip route	Displays IP route destinations, gates, and masks.

ip name-server

To configure the IP address of the domain name server (DNS), use the **ip name-server** command in Cisco Unity Express configuration mode. To delete the name server, use the **no** form of this command.

ip name-server *ip-address* [*ip-address*] [*ip-address*] [*ip-address*]

no ip name-server *ip-address*

Syntax Description

ip-address IP address of the DNS server.

Defaults

No name server is configured.

Command Modes

Cisco Unity Express configuration

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

Up to four DNS servers may be configured. Use this command with the **ip domain-name** command to configure the DNS server.

Examples

The following example changes the IP name server to 10.3.61.16:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ip name-server 10.3.61.16
se-10-0-0-0(config)# ip domain-name mycompany.com
```

Related Commands

Command	Description
hostname	Specifies the server that stores the Cisco Unity Express applications.
ip domain-name	Specifies the DNS domain name.
ntp server	Specifies the NTP clocking server.
show hosts	Displays all configured hosts.
show ip route	Displays IP route destinations, gates, and masks.



K

Last Updated: March 31, 2011

[kron schedule](#)

kron schedule

To create a new kron schedule and enter kron schedule configuration mode, use the **kron schedule** command in Cisco Unity Express configuration mode. To delete the kron schedule, use the **no** form of this command.

kron schedule [*name*]

no kron schedule [*name*]

Syntax Description

name (Optional) Defines the name of the kron schedule.

Defaults

None.

Command Modes

Cisco Unity Express EXEC mode

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

If a defined name is not entered, then the format of the schedule name is assigned as kronNNNN with the N representing a numerical value.

Examples

The following example defines a kron schedule named “kron1234”:

```
se-10-0-0-0# kron schedule kron1234
se-10-0-0-0(kron-schedule)#
```

Related Commands

Command	Description
commands (kron schedule)	Enters the interactive mode to create the command block for a kron job.
description (kron schedule)	Configures a description for the kron job.
show kron schedules	Displays a list of kron jobs.
show kron schedule detail job	Displays details of a specific kron job.



L

Last Updated: June 4, 2010

[license activate ivr sessions](#)
[license activate ports](#)
[license activate timecardview users](#)
[license activate voicemail mailboxes](#)
[license agent default authenticate](#)
[license agent listener http](#)
[license agent max-sessions](#)
[license agent notify](#)
[license clear](#)
[license comment](#)
[license clear](#)
[license install](#)
[license modify priority](#)
[license revoke](#)
[license save](#)
[line console](#)
[list name](#)
[list number](#)
[list number delete](#)
[list number description](#)
[list number member](#)
[list number owner](#)
[locale \(ccn trigger http\)–IVR Only](#)
[locale \(ccn trigger jtapi\)](#)
[locale \(ccn trigger sip\)](#)
[log console](#)
[log console monitor](#)

log server
log trace boot
log trace buffer save
login (aaa accounting event)
login (config-line)
login-fail (aaa accounting event)
login pinless
logout (aaa accounting event)

license activate ivr sessions

To activate the license for IVR sessions, use the **license activate ivr sessions** command in Cisco Unity Express EXEC_mode. Using the **no** form of this command sets the usage to zero and disables the feature.

license activate ivr sessions *numeric string*

no license activate ivr sessions *numeric string*

Syntax Description	<i>numeric string</i>	Specifies the number of IVR sessions to be activated. The value must be a value that is less than or equal to the number of IVR sessions supported by this platform, and it must be a multiple of two.
---------------------------	-----------------------	--

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enables you to activate the license for IVR sessions.
-------------------------	--

Examples The following example shows how to activate the license for IVR sessions:

```
se-10-0-0-0# license activate ivr sessions 4
```

Related Commands	Command	Description
	license activate ports	Activates the license for ports.
	license activate timecardview users	Activates the license for TimeCardView users.
	license activate voicemail mailboxes	Activates the license for mailboxes.
	show license all	Displays a summary of all licenses installed.
	show license detail	Displays the details of the installed license.
	show license status application	Displays the status of the licenses installed.

license activate ports

To activate the license for ports, use the **license activate ports** command in Cisco Unity Express EXEC mode. Using the **no** form of this command sets the usage to zero and disables the feature.

license activate ports *numeric string*

no license activate ports *numeric string*

Syntax Description	<i>numeric string</i>	Specifies the number of ports to be activated. The value must be a value that is less than or equal to the number of ports supported by this platform, and it must be a multiple of two.
---------------------------	-----------------------	--

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enables you to activate the license for ports.
-------------------------	---

Examples The following example shows how to activate the license for ports:

```
se-10-0-0-0# license activate ports 4
```

Related Commands	Command	Description
	license activate voicemail mailboxes	Activates the license for mailboxes.
	license activate ivr sessions	Activates the license for ivr sessions.
	license activate timecardview users	Activates the license for TimeCardView users.
	show license all	Displays the summary of all licenses installed.
	show license detail	Displays the details of the installed licenses.
	show license status application	Displays the status of the licenses installed.

license activate timecardview users

To activate the license for TimeCardView users, use the **license activate timecardview** command in Cisco Unity Express EXEC_mode. Using the **no** form of this command sets the usage to zero and disables the feature.

license activate timecardview users *numeric string*

no license activate timecardview users *numeric string*

Syntax Description

<i>numeric string</i>	Specifies the number of TimeCardView users to be activated. The value must be a value that is less than or equal to the number of TimeCardView users supported by this platform.
-----------------------	--

Command Default

None.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command enables you to activate the license for TimeCardView users.

Examples

The following example shows how to activate the license for TimeCardView users:

```
se-10-0-0-0# license activate timecardview users 4
```

Related Commands

Command	Description
license activate ports	Activates the license for ports.
license activate voicemail mailboxes	Activates the license for mailboxes.
show license all	Displays a summary of all of the licenses installed.
show license detail	Displays the details of the installed license.
show license status application	Displays the status of the licenses installed.

license activate voicemail mailboxes

To activate the license for voicemail mailboxes, use the **license activate voicemail mailboxes** command in Cisco Unity Express EXEC mode. Using the **no** form of this command sets the voicemail mailboxes value to zero and disables the voicemail mailboxes.

license activate voicemail mailboxes *numeric string*

no license activate voicemail mailboxes *numeric string*

Syntax Description	<i>numeric string</i>	Specifies the number of mailboxes to be activated. The value must be a value that is less than or equal to the number of mailboxes supported by this platform, and it must be a multiple of five.
---------------------------	-----------------------	---

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enables you to activate the license for voicemail mailboxes.
-------------------------	---

Examples The following example shows how to activate the license for voicemail mailboxes:

```
se-10-0-0-0# license activate voicemail mailboxes 275
```

```
Evaluation licenses are being activated in the device for the following feature(s):
```

```
Feature Name: VMIVR-VM-MBX
```

```
PLEASE READ THE FOLLOWING TERMS CAREFULLY. INSTALLING THE LICENSE OR
LICENSE KEY PROVIDED FOR ANY CISCO PRODUCT FEATURE OR USING SUCH
PRODUCT FEATURE CONSTITUTES YOUR FULL ACCEPTANCE OF THE FOLLOWING
TERMS. YOU MUST NOT PROCEED FURTHER IF YOU ARE NOT WILLING TO BE BOUND
BOUND BY ALL THE TERMS SET FORTH HEREIN.
```

```
You hereby acknowledge and agree that the product feature license
is terminable and that the product feature enabled by such license
may be shut down or terminated by Cisco after expiration of the
applicable term of the license (e.g., 30-day trial period). Cisco
reserves the right to terminate or shut down any such product feature
electronically or by any other means available. While alerts or such
messages may be provided, it is your sole responsibility to monitor
your terminable usage of any product feature enabled by the license
and to ensure that your systems and networks are prepared for the shut
down of the product feature. You acknowledge and agree that Cisco will
```

not have any liability whatsoever for any damages, including, but not limited to, direct, indirect, special, or consequential damages related to any product feature being shutdown or terminated. By clicking the "accept" button or typing "yes" you are indicating you have read and agree to be bound by all the terms provided herein.

ACCEPT? [y/n]? **yes**

License activation count saved for use at next reload

Related Commands	Command	Description
	license activate ports	Activates the license for ports.
	license activate timecardview users	Activates the license for TimeCardView users.
	license activate voicemail mailboxes	Activates the license for ivr sessions.
	show license all	Displays the summary of all the licenses installed.
	show license detail	Displays the details of the installed licenses.
	show license status application	Displays the status of the licenses installed.

license agent default authenticate

To configure the default license agent, use the **license agent default authenticate** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration.

license agent default authenticate [none]

no license agent default authenticate [none]

Syntax Description	none (Optional) Specifies the authentication.
---------------------------	--

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express Configuration
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command starts the default license agent. The authenticate option specifies if the authentication is required. The default license agent starts automatically when the device boots up.
-------------------------	--

Examples	The following example shows how to configure the license agent: <pre>se-10-0-0-0(config)# license agent default authenticate</pre>
-----------------	---

Related Commands	Command	Description
	license agent listener http	Configures the license agent listener.
	license agent max-sessions	Limits the total number of license agent sessions.
	license agent notify	Defines a transport notification.

license agent listener http

To configure the license agent in listener mode, use the **license agent listener http** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration.

Cisco Unity Express 8.0.1 and earlier:

```
license agent listener http [crypto | plaintext] url-path authenticate [none] [max-message size]
no license agent listener http [crypto | plaintext] url-path authenticate [none] [max-message size]
```

Cisco Unity Express 8.0.2 and later:

```
license agent listener http [encrypted | plaintext] url-path authenticate [none] [max-message size]
no license agent listener http [encrypted | plaintext] url-path authenticate [none] [max-message size]
```

Syntax	Description
crypto	(Optional) Uses an encrypted http transport.
or encrypted	The crypto keyword is supported from Cisco Unity Express versions 7.1.1 through 8.0.1. The encrypted keyword is supported beginning with Cisco Unity Express 8.0.2.
plaintext	(Optional) Uses a plaintext http transport.
url-path	Specifies the listener's URL.
authenticate	Defines the authentication.
none	Defines the default authentication.
max-message size	Defines the maximum message size that the license agent accepts.

Command Default None.

Command Modes Cisco Unity Express Configuration

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.
	8.0.2	The crypto keyword was replaced by the keyword encrypted .

Usage Guidelines This command starts the license agent in listener mode. The options specifies if you need to use the https or http service, listener's URL, and authentication.

Examples

The following example shows how to authenticate the license agent using the http crypto authentication mechanism:

```
se-10-0-0-0(config)# license agent listener http crypto path authenticate
```

Related Commands

Command	Description
license agent default authenticate	Authenticates the license agent by using the default HTTP mechanism.
license agent max-sessions	Limits the total number of license agent sessions.
license agent notify	Defines a transport notification.

license agent max-sessions

To configure the maximum number of HTTP sessions to license agent, use the **license agent max-sessions** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration.

license agent max-sessions *number*

no license agent max-sessions *number*

Syntax	Description
<i>number</i>	Specifies the maximum number of license agent sessions. The range is from 4 to 25.

Command Default	Description
None.	

Command Modes	Description
Cisco Unity Express Configuration	

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	Description
	This commands enables you to configure the maximum number of HTTP sessions. The range is from 4 to 25.

Examples The following example shows how to configure the maximum number of HTTP sessions:

```
se-10-0-0-0(config)# license agent max-sessions 5
```

Related Commands	Command	Description
	license agent default authenticate	Authenticates the license agent by using the default HTTP mechanism.
	license agent max-sessions	Limits the total number of license agent sessions.
	license agent notify	Defines a transport notification.

license agent notify

To use a notification transport, use the **license agent notify** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the configuration.

license agent notify *URL*

no license agent notify *URL*

Syntax	Description
<i>URL</i>	Specifies the URL path with the quote.

Command Default	None.
-----------------	-------

Command Modes	Cisco Unity Express Configuration
---------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enables you to use a notification transport. When you access or modify a license, an event will be triggered. Information concerning this event is sent as a notification. Some examples of the notifications are:
------------------	---

- License installed
- License cleared
- License revoked
- License will expire in some time period
- License has expired for some time period
- License entry is corrupted
- License comment is modified
- License Agent is turned off or started up
- Counted license notifications

Examples

The following example shows how to configure the notification transport:

```
se-10-0-0-0(config)# license agent notify http://10.86.26.95/abc ?
  credentials      Credentials String
  username         Login name
se-10-0-0-0(config)# license agent notify http://10.86.26.95/abc username anonymous
password guest
se-10-0-0-0(config)# end
```

The following example shows the output **show run | include license** command

```
se-10-0-0-0# show run | include license
license agent max-sessions 9
license agent notify http://10.86.26.95/abc credentials hidden
6u/dKTN/hshQZ6vnngB74bKLbOxLrFmfSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGW
TYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP
```

Command	Description
license agent default authenticate	Authenticates the license agent by using the default HTTP mechanism.
license agent max-sessions	Limits the total number of license agent sessions.

license clear

To remove one or more licenses information from your device, use the **license clear feature** command in Cisco Unity Express EXEC_mode.

license clear *feature name*

Syntax Description	<i>feature name</i>	Specifies the feature name.
---------------------------	---------------------	-----------------------------

Command Default	None.	
------------------------	-------	--

Command Modes	Cisco Unity Express EXEC	
----------------------	--------------------------	--

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This command enables you to remove the license entry from your device.	
-------------------------	--	--

Examples	The following example shows how to clear the license for a feature:	
-----------------	---	--

```
se-10-0-0-0# license clear TCV-USER
Feature: TCV-USER
  1 License Type: Evaluation
    License State: Active, Not in Use, EULA accepted
      Evaluation total period: 4 weeks 2 days
      Evaluation period left: 4 weeks 2 days
    License Addition: Additive
    License Count: 2
    Comment:
    Store Index: 4
    Store Name: Primary License Storage

Are you sure you want to clear? (yes/[no]): yes
```



Note	The application will evaluate the changes in the next reboot.	
-------------	---	--

Related Commands	Command	Description
	license comment	Adds or deletes a comment for a specific license.
	license modify priority	Modifies the license priority information.

license comment

To add or delete a comment for a specific license, use the **license comment** command in Cisco Unity Express EXEC_mode.

license comment {add | delete} *feature name comment string*

Syntax Description

add	Adds the comment to the feature.
delete	Deletes the comment from the feature.
<i>feature name</i>	Specifies the feature name.
<i>comment string</i>	Specifies a text description of the comment string.

Command Default

None.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command enables you to add or delete comments for a specific license line. This can be done only for the installed licenses.

Examples

The following example adds a comment to the license:

```
se-10-0-0-0# license comment add TCV-USER test
Feature: TCV-USER
  1 License Type: Evaluation
    License State: Active, Not in Use, EULA accept
      Evaluation total period: 4 weeks 2 days
      Evaluation period left: 4 weeks 2 days
    License Addition: Additive
    License Count: 2
    Comment:
    Store Index: 4
    Store Name: Primary License Storage

% Success: Adding comment "test" succeeded
```

Related Commands

Command	Description
license clear	Clears the license information from your system.
license modify priority	Modifies the license priority information.

license install

To install the licenses, use the **license install** command in Cisco Unity Express EXEC_mode.

license install *URL*

Syntax Description	<i>URL</i>	Specifies the URL of the license file. FTP /TFTP are the supported protocols.
---------------------------	------------	---

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	This commands enables you to install the license stored in a license file.
-------------------------	--

Examples	The following example shows how to install the license for a feature:
-----------------	---

```
se-10-0-0-0# license install ftp://192.1.1.53/lic/nme-159/nme-159.lic
```

```
Installing...Feature:VMIVR-IVR-SESS...Successful:Supported
License Note:
Application will evaluate this change upon next reload
Installing...Feature:VMIVR-VM-MBX...Successful:Supported
License Note:
Application will evaluate this change upon next reload
Installing...Feature:TCV-USER...Successful:Supported
License Note:
Application will evaluate this change upon next reload
Installing...Feature:VMIVR-PORT...Successful:Supported
License Note:
Application will evaluate this change upon next reload
4/4 licenses were successfully installed
0/4 licenses were existing licenses
0/4 licenses were failed to install
```

The installation process does not install duplicate licenses. The following message is displayed when duplicate licenses are detected:

```
Installing...Feature:xxx-xxx-xxx...Skipped:Duplicate
```

Related Commands	Command	Description
	license clear	Clears the license information from your system.
	license modify priority	Modifies the license priority information.
	show license all	Displays a summary of all of the licenses installed.
	show license detail	Displays the details of the installed license.

license modify priority

To modify the license priority information, use the **license modify priority** command in Cisco Unity Express EXEC_mode.

license modify priority *feature name* {**high** | **low**}

Syntax Description

high	Sets the license priority level to high.
low	Sets the license priority level to low.

Command Default

None.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This commands enables you to modify the license priority level. This command lists all the expiring licenses that are available for the specified feature and you can change the priority level to be the highest for the selected license.

Examples

The following example shows how to change the license priority level:

```
se-10-0-0-0# license modify priority TCV-USER high
Feature: TCV-USER
Index: 1      License type      : Evaluation
      Lock type       : Locked
      License Count   : 2
      License Priority: Low
```

```
Are you sure you want to modify priority? (yes/[no]): yes
```



Note

The application will evaluate the changes in the next reboot.

Related Commands

Command	Description
license revoke	Revokes the license.
license save	Saves the license and device credential information.
show license all	Displays the summary of all of the licenses installed.
show license detail	Displays the details of the installed license.

license revoke

To revoke the license, use the **license revoke** command in Cisco Unity Express EXEC mode.

license revoke *URL URL*

Syntax Description	<i>URL</i>	Specifies the URL path for the permission ticket file.
	<i>URL</i>	Specifies the URL path for the destination to rehost ticket file

Command Default None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command enables you to revoke the license. Rehost operation has multiple steps, which helps in moving a license from Source device (X) to a Target device (Y).

To revoke the license, perform the following steps:

1. To enable the revoke, obtain a permission ticket from the SWIFT portal and save it on the FTP (TFTP) server which is accessible to the module.
2. Enter the **license revoke** command, a grace period licenses is issued and accept the EULA for this grace license.
3. After the EULA is accepted, a Revocation ticket is generated as a result of the revoke operation.
4. To complete the Rehost operation, submit the Revocation ticket to the SWIFT portal to obtain a new license file that can be installed on a target device Y.

For example, permanent licenses of 225 count exist for MBX feature. Now permission ticket of 100 count is obtained from SWIFT to revoke 100 count out of 225 counts.

After installing the 225 count Grace (Extension) license, the remaining count of 125 count permanent license is installed as part of revoke operation.

Examples

The following example shows how to revoke the licenses:

```

se-10-0-0-0# show lic de VMIVR-VM-MBX
Feature: VMIVR-VM-MBX          Period left: Life time
Index: 1          Feature: VMIVR-VM-MBX          Version: 1.0
      License Type: Permanent
      License State: Active, In Use
      License Count: 225 /100
      License Priority: Medium
      Store Index: 3
      Store Name: Primary License Storage
Index: 2          Feature: VMIVR-VM-MBX          Version: 1.0
      License Type: Evaluation
      License State: Inactive
      Evaluation total period: 8 weeks 4 days
      Evaluation period left: 8 weeks 4 days
      License Count: 600 / 0
      License Priority: None
      Store Index: 0
      Store Name: Evaluation License Storage

se-10-0-0-0# license revoke ?
      URL          URL of the permission ticket

se-10-0-0-0# license revoke ftp://10.xx.xx.195/LIC-FILES/VEGA/FHH12460003_100-MBX.lic-PT ?
      URL          URL destination for rehost ticket

se-10-0-0-0# license revoke ftp://10.xx.xx.195/LIC-FILES/VEGA/FHH12460003_100-MBX.lic-PT
ftp://10.1.1.1/permissionticketfile-100MBX
Following Permanent license(s) will be installed on this device
      Feature Name: VMIVR-VM-MBX :Count = 125

Following Extension license(s) will be installed on this device
      Feature Name: VMIVR-VM-MBX :Count = 225

Following Permanent license(s) will be revoked from this device
      Feature Name: VMIVR-VM-MBX :Count = 225

PLEASE READ THE FOLLOWING TERMS CAREFULLY. INSTALLING THE LICENSE OR
LICENSE KEY PROVIDED FOR ANY CISCO PRODUCT FEATURE OR USING SUCH
PRODUCT FEATURE CONSTITUTES YOUR FULL ACCEPTANCE OF THE FOLLOWING
TERMS. YOU MUST NOT PROCEED FURTHER IF YOU ARE NOT WILLING TO BE BOUND
BOUND BY ALL THE TERMS SET FORTH HEREIN.

You hereby acknowledge and agree that the product feature license
is terminable and that the product feature enabled by such license
may be shut down or terminated by Cisco after expiration of the
applicable term of the license (e.g., 30-day trial period). Cisco
reserves the right to terminate or shut down any such product feature
electronically or by any other means available. While alerts or such
messages may be provided, it is your sole responsibility to monitor
your terminable usage of any product feature enabled by the license
and to ensure that your systems and networks are prepared for the shut
down of the product feature. You acknowledge and agree that Cisco will
not have any liability whatsoever for any damages, including, but not
limited to, direct, indirect, special, or consequential damages related
to any product feature being shutdown or terminated. By clicking the
"accept" button or typing "yes" you are indicating you have read and
agree to be bound by all the terms provided herein.

ACCEPT? [yes/no]: yes
License Note:

```

Application will evaluate this change upon next reload
 Application will evaluate this change upon next reload

Rehost ticket saved to **ftp://10.1.1.1/permissionticketfile-100MBX**

se-10-0-0-0# **reload**

vega# show license detail VMIVR-VM-MBX

```

Feature: VMIVR-VM-MBX          Period left: Life time
Index: 1      Feature: VMIVR-VM-MBX          Version: 1.0
      License Type: Permanent
      License State: Active, In Use
      License Count: 125 /125
      License Priority: Medium
      Store Index: 0
      Store Name: Primary License Storage
Index: 2      Feature: VMIVR-VM-MBX          Version: 1.0
      License Type: Evaluation
      License State: Inactive
      Evaluation total period: 8 weeks 4 days
      Evaluation period left: 8 weeks 4 days
      License Count: 225 / 0
      License Priority: Low
      Store Index: 4
      Store Name: Primary License Storage
Index: 3      Feature: VMIVR-VM-MBX          Version: 1.0
      License Type: Evaluation
      License State: Inactive
      Evaluation total period: 8 weeks 4 days
      Evaluation period left: 8 weeks 4 days
      License Count: 600 / 0
      License Priority: Low
      Store Index: 0
      Store Name: Evaluation License Storage
  
```

Related Commands

Command	Description
license save	Saves the license and device credential information.
license install	Installs the license on your system.
show license all	Displays the summary of all the licenses installed.
show license detail	Displays the details of the installed license.

license save

To save a copy of the all the licenses installed, use the **license save** command in Cisco Unity Express EXEC_mode.

license save {**credential** | **URL**} *URL*

Syntax Description	credential	Saves the device credential information.
	URL	Defines the URL destination path for the license file.
	<i>URL</i>	Defines the URL destination path for saving the device credential information.

Command Default None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines The command enables you to saves a copy of the all the licenses installed in the license storage to a specified file. These licenses include all node locked licenses which are installed on a device and it does not include the evaluation licenses

Examples The following example shows how to save the license installed on your device:

```
se-10-0-0-0# license save credential ftp://anonymous:guest@10.86.26.195/NME-Credential
Device credential saved ..... to ftp://anonymous:guest@10.86.26.195/NME-Credential
```

```
se-10-0-0-0# license save ftp://anonymous:guest@10.86.26.195/License-Copy
license lines saved ..... to ftp://anonymous:guest@10.86.26.195/License-Copy
```

Related Commands	Command	Description
	license revoke	Revokes the license.
	license clear	Clears the license information from your system.
	show license all	Displays a summary of all of the licenses installed.
	show license detail	Displays the details of the installed license.

line console

To enter config-line submode and specify whether the console connection is subject to authentication, use the **line console** command in Cisco Unity Express configuration mode.

line console

Syntax Description

This command has no arguments or keywords.

Defaults

None.

Command Modes

Cisco Unity Express configuration (config)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

After you enter config-line submode, the only property that you can configure is whether the console connection is subject to authentication. To do this, enter the **login** command.

If authentication is not enabled for the console connection, any user logging into the system through the console is given the superuser privilege and is not required to provide a username or password.

Examples

The following example enables authentication for the console:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# line console
se-10-0-0-0(config-line)# login
```

Related Commands

Command	Description
login (config-line)	Configures whether the console connection is subject to authentication.

list name

To create a public distribution list, use the **list name** command in Cisco Unity Express configuration mode. This command does not have a **no** form.

list name *list-name* **number** *list-number* **create**

Syntax Description

<i>list-name</i>	Name of the list. Valid names have up to 64 characters letters and include letters A to Z, a to z, digits 0 to 9, underscore (_), dot (.), and dash (-). Names must start with a letter. Do not use spaces in the name.
number <i>list-number</i>	Number of the list. Valid public list numbers can have up to 15 digits.
create	Activates the list.

Defaults

The system creates the everyone list with number 999 to contain everyone on the system.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

Each list must have a unique name or number.

The system supports a maximum of 15 public lists.

A list number can match the subscriber's or general delivery mailbox (GDM) telephone number but must not match another local public list number.

The system automatically assigns 9999 to the default **everyone** public list. An administrator can change this number using the GUI menu option **Voice Mail > Distribution Lists > Public Lists**. The 9999 number cannot be changed using TUI options or CLI commands.

A local subscriber cannot modify a remote distribution list and cannot use a remote distribution list as the recipient of a voice message.



Note Use the graphical user interface (GUI) or telephone user interface (TUI) to create and manage private distribution lists.

Examples

The following example creates public distribution list number 12 for designers:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# list name designers number 12 create
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	list number delete	Deletes a public distribution list from the local system.
	list number description	Assigns a description to a public distribution list.
	list number member	Assigns members to a public distribution list.
	list number owner	Assigns an owner to a public distribution list.
	show lists public	Displays all public lists on the system.

list number

To add a nonsubscriber as a member of a distribution list, use the **list member** command in Cisco Unity Express configuration mode. Use the **no** form of the command to remove the member.

list number *list-number* **member** *member-number* **type non-subscriber**

no list number *list-number* **member** *member-number* **type non-subscriber**

Syntax Description

<i>list-number</i>	ID number of the distribution list.
<i>member-number</i>	ID number of the non-subscriber to associate the distribution list.

Defaults

None.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

After this command is executed, the system verifies that the number satisfies the rules of the restriction table. If the restriction table does not match, it returns an error saying that “the number entered is restricted.”

If this command is entered and the restriction table is later updated to not allow the new entry, the number added to the distribution list will not be removed. However, when a new message is addressed using the list with the now restricted non-subscriber number, the system will prevent the message from being sent to the restricted number in the distribution list. All other addresses contained in the distribution list that are not restricted will have the message delivered to them.

Examples

The following example adds a member with number 12 to distribution list number 7215551413:

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# list number 12 member 7215551413 type nonsubscriber
type non-subscriber
se-10-0-0-0 (config)# exit
```

Related Commands

Command	Description
show lists detail private	Displays the details of the private distribution lists for a specified owner.
show lists owner	Displays all the public and private distribution lists for a specified owner.
show lists public	Displays all public distribution lists on the local system.

list number delete

To delete a public distribution list from the local system, use the **list number delete** command in Cisco Unity Express configuration mode. This command does not have a **no** form.

list number *list-number* **delete**

Syntax Description

<i>list-number</i>	Number of the list. Valid public list numbers can have up to 15 digits.
--------------------	---

Defaults

No list number is deleted.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

An error message appears if the list does not exist.

A local subscriber or administrator cannot delete a public distribution list at a remote site.



Note Use the graphical user interface (GUI) or telephone user interface (TUI) to create and manage private distribution lists.

Examples

The following example deletes list number 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# list number 35 delete
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
list name	Creates a public distribution list.
list number description	Assigns a description to a public distribution list.
list number member	Assigns members to a public distribution list.
list number owner	Assigns an owner to a public distribution list.
show lists public	Displays all public lists on the system.

list number description

To add a description to a public distribution list, use the **list number** description command in Cisco Unity Express configuration command. To delete the description, use the **no** form of this command.

list number *list-number* **description** *description*

no list number *list-number* **description** *description*

Syntax Description

<i>list-number</i>	Number of the list. Valid public list numbers can have up to 15 digits.
<i>description</i>	Text description of the list. Enclose the text in double quotes (“ ”) if the text is more than one word.

Defaults

No description is defined.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

An error message appears if the list does not exist.



Note Use the graphical user interface (GUI) or telephone user interface (TUI) to create and manage private distribution lists.

Examples

The following example assigns a description to list number 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# list number 35 description "SJC Engineers"
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
list name	Creates a public distribution list.
list number delete	Deletes a public distribution list from the local system.
list number member	Assigns members to a public distribution list.
list number owner	Assigns an owner to a public distribution list.
show lists public	Displays all public lists on the system.

list number member

To add members to a public distribution list, use the **list number member** command in Cisco Unity Express configuration mode. To delete the member from the list, use the **no** form of this command.

```
list number list-number member {member-name | extension}
      type {group | user | gdm | list | remote | blind}
```

```
no list number list-number member {member-name | extension}
      type {group | user | gdm | list | remote | blind}
```

Syntax Description

<i>list-number</i>	Number of the list. Valid public list numbers can have up to 15 digits.
<i>member-name</i>	Name of the member to be added. Valid members include: <ul style="list-style-type: none"> Local or remote subscribers Group IDs General delivery mailbox (GDM) name Voice mailbox extension (blind address) Other public distribution list numbers Other public distribution list names
<i>extension</i>	Extension of the member to be added.
type	Category of the member. Valid values are: <ul style="list-style-type: none"> group—The member is a group. user—The member is a local subscriber. gdm—The member is a general delivery mailbox. list—The member is a public distribution list. remote—The member is a remote subscriber. blind—The member is a voice mailbox extension (blind address).

Defaults

No list members are configured.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

An error message appears if the member name or extension does not exist. Additionally, the system verifies that the public list has members. If the list is empty, the system plays a prompt indicating that the list contains no members and does not allow the list to be used as a recipient of the message.

The maximum number of public list members is 1000 for the system. An error message appears if a new member would exceed the maximum.

A remote subscriber that is statically configured on the local system can be a member of a distribution list. However, that remote subscriber cannot own a distribution list on the local system.

A private list cannot be a member of a public list.

Recursive distribution lists are permitted; for example, list A can be a member of list B and list B can be a member of list A.

To use a blind address, specify the location ID and extension of the blind address. The system verifies the location ID and extension length.



Note Use the graphical user interface (GUI) or telephone user interface (TUI) to create and manage private distribution lists.

Examples

The following example assigns members to list number 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# list number 35 member user2 type user
se-10-0-0-0(config)# list number 35 member user7 type user
se-10-0-0-0(config)# list number 35 member supervisors type group
se-10-0-0-0(config)# list number 35 member sales type gdm
se-10-0-0-0(config)# list number 35 member project3 type list
se-10-0-0-0(config)# list number 35 member user4 type remote
se-10-0-0-0(config)# list number 35 member nyc72222 type blind
se-10-0-0-0(config)# exit
```

The following examples delete members from list number 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no list number 35 member user2 type user
se-10-0-0-0(config)# no list number 35 member sales type gdm
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
list name	Creates a public distribution list.
list number delete	Deletes a public distribution list from the local system.
list number description	Assigns a description to a public distribution list.
list number owner	Assigns an owner to a public distribution list.
show lists public	Displays all public lists on the system.

list number owner

To assign an owner to a public distribution list, use the **list number owner** command in Cisco Unity Express configuration mode. To delete the list owner, use the **no** form of this command.

list number *list-number* **owner** *owner-ID*

no list number *list-number* **owner** *owner-ID*

Syntax Description

<i>list-number</i>	Number of the list. Valid public list numbers can have up to 15 digits.
<i>owner-ID</i>	Name of the list owner.

Defaults

No list number or list owner is configured.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

The list owner can be a local subscriber or a local group. If the owner is a group, all the members of the group are owners of the list. The default list **everyone** cannot have an owner.

The list owner can edit and delete members of the list and can assign other owners to the list.

An error message appears if the list number or list owner does not exist.

The maximum number of owners on the system is 50. An error message appears if a new owner ID would exceed the maximum number of list owners.

Members of the Administrators group are implicit owners of all public distribution lists and can edit any public list at any time. If all the owners of a list are deleted, the Administrator group continues to have ownership of the list.

The owner of a public or private distribution list can record a spoken name for the list using the TUI. The default **everyone** public list has a spoken name by default. An administrator can change this name using the TUI.



Note Use the graphical user interface (GUI) or telephone user interface (TUI) to create and manage private distribution lists.

Examples

The following example assigns user2 as the owner of list number 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# list number 35 owner user2
se-10-0-0-0(config)# exit
```

The following example deletes the owner of list 35:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no list number 35 owner user2
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
list name	Creates a public distribution list.
list number delete	Deletes a public distribution list from the local system.
list number description	Assigns a description to a public distribution list.
list number member	Assigns members to a public distribution list.
show lists public	Displays all public lists on the system.

locale (ccn trigger http)–IVR Only

To specify the language to use for the prompts that the caller hears when a Cisco Unity Express IVR HTTP-based trigger is activated, use the **locale** command in Cisco Unity Express IVR HTTP trigger configuration mode. Use the **no** form of this command to set the language to the *systemDefault*.

locale *xx_YY*

no locale

Syntax Description

<i>xx_YY</i>	Specifies the language used for the prompts heard by the caller. Cisco Unity Express supports several languages but only one language can be used for all triggers on the system. See Release Notes for Cisco Unity Express for the current list of supported languages.
--------------	--

Command Default

The default locale is *systemDefault*.

Command Modes

Cisco Unity Express IVR HTTP trigger configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Examples

The following example sets the trigger language to US English:

```
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)# locale en_US
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

The following example sets the trigger language to the default (systemDefault):

```
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)# no locale
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 option to display the Cisco Unity Express IVR HTTP-based trigger settings.

locale (ccn trigger jtapi)

To specify the language used for the prompts that are heard by the caller when a JTAPI trigger is activated, use the **locale** command in Cisco Unity Express CCN configuration trigger mode. To set the language to the system default, use the no form of this command.

locale *xx_YY*

no locale

Syntax Description	<i>xx_YY</i>	Specifies the language used for the prompts heard by the caller. Cisco Unity Express supports several languages but only one language can be used for all triggers on the system. See Release Notes for Cisco Unity Express for the current list of supported languages.
---------------------------	--------------	--

Defaults	U.S. English
-----------------	--------------

Command Modes	CCN 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 trigger language to French.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger jtapi phonenum 1234
se-10-0-0-0(config-trigger)# locale fr_FR
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	ccn trigger jtapi phonenum	Enters trigger configuration mode.
	show ccn trigger all	Displays the CCN trigger details.

locale (ccn trigger sip)

To specify the language used for the SIP system prompts that are heard by the caller when a SIP trigger is activated, use the **locale** command in Cisco Unity Express CCN configuration trigger mode. To set the language to the system defaults, use the **no** form of this command.

locale *xx_YY*

no locale

Syntax Description

<i>xx_YY</i>	Specifies the language used for the prompts heard by the caller. Cisco Unity Express supports several languages but only one language can be used for all triggers on the system. See Release Notes for Cisco Unity Express for the current list of supported languages.
--------------	--

Defaults

U.S. English

Command Modes

CCN 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 trigger language to French.

```
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)# locale fr_FR
se-10-0-0-0(config-trigger)# end
se-10-0-0-0(config)# exit
```

Related Commands

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

log console

To configure the types of messages to be displayed on the console, use the **log console** command in Cisco Unity Express configuration mode. To stop messages from displaying, use the **no** form of this command.

log console { **errors** | **info** | **warning** }

no log console { **errors** | **info** | **warning** }



Caution

This command generates many screen messages that scroll down the screen until you turn off the display. Seeing the prompt to turn off the display may be difficult. Pressing CTRL-c does not work for this command.

Syntax Description

<i>errors</i>	Error messages.
<i>info</i>	Information messages.
<i>warning</i>	Warning messages.

Defaults

Only fatal error messages are displayed.

Command Modes

Cisco Unity Express configuration

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

The messages on the console display are also saved in the messages.log file. These messages can be used for debugging purposes.

Examples

The following example configures error messages to be displayed on the console:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# log console errors
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show logging	Displays the types of messages that are displayed on the console.

log console monitor

To display system messages on the console, use the **log console monitor** command in Cisco Unity Express configuration mode. To stop messages from displaying, use the **no** form of this command.

log console monitor {*module* | *entity* | *activity*}

no log console monitor {*module* | *entity* | *activity*}



Caution

This command generates many screen messages that scroll down the screen until you turn off the display. Seeing the prompt to turn off the display may be difficult. Pressing CTRL-c does not work for this command.

Syntax Description

module	Cisco Unity Express modules.
entity	Cisco Unity Express module entities.
activity	Cisco Unity Express entity actions.

Defaults

Only fatal error messages are displayed.

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

The messages on the console monitor are also saved in the messages.log file. These messages can be used for debugging purposes.

Examples

The following example displays messages for results of the database entity in the networking module:

```
se-10-0-0-0# log console monitor networking database results
```

Related Commands

Command	Description
show logging	Displays the types of messages that are displayed on the console.

log server

To configure an external server for saving log messages, use the **log server** command in Cisco Unity Express configuration mode. To delete the log server, use the **no** form of this command.

log server address {*ip-address* | *hostname*}

no log server address {*ip-address* | *hostname*}

Syntax Description

address <i>ip-address</i>	IP address of the external log server.
address <i>hostname</i>	Hostname of the external log server.

Defaults

No external log server is configured. The local hard disk is used for saving log messages.

Command Modes

Cisco Unity Express configuration

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

An external log server contains a copy of the messages.log file that is stored on the hard disk of the router that contains the Cisco Unity Express module. Copying the file to a server permits flexibility in viewing, printing, and troubleshooting system messages.

Examples

The following example assigns 10.1.61.16 as the external log server:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# log server address 10.1.61.16
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
hostname	Specifies the server that stores the Cisco Unity Express applications.
ntp server	Specifies the NTP clocking server.

Command	Description
show hosts	Displays all configured hosts.
show running-config	Displays the log server as part of the configuration.

log trace boot

To save the trace configuration upon rebooting, use the **log trace boot** command in Cisco Unity Express EXEC mode.

log trace boot

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines The current trace configuration is lost upon reboot because tracing is CPU intensive. To ensure that the current trace configuration is saved when the CUE module is rebooted, use the **log trace boot** command.

Examples The following example illustrates the **log trace boot** command:

```
se-10-0-0-0# log trace boot
```

Related Commands	Command	Description
	show trace store	Displays the modules and entities being traced.

log trace buffer save

To save the current trace information, use the **log trace buffer save** command in Cisco Unity Express EXEC mode. To turnoff the log trace, use the **no** form of this command.

log trace buffer save

no log trace buffer

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines Current trace information stored in the memory buffer can be saved to a file. The file created with the **log trace buffer save** command is atrace_save.log.

Examples The following example illustrates the **log trace buffer save** command:

```
se-10-0-0-0# log trace buffer save
```

Related Commands	Command	Description
	show logs	Displays a list of the trace logs.
	show trace buffer	Displays the modules and entities being traced.

login (aaa accounting event)

To enable or disable the logging of login events, use the **login** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of login events. Use the **default** form of this command to restore the default setting (the logging of login events is enabled).

login

no login

default login

Syntax Description This command has no arguments or keywords.

Command Default The logging of login events is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of all forms of system access except IMAP, including access to the CLI, GUI, TUI, and VVE, when a login is required. This command does not enable the logging of failed login attempts.

Examples The following example disables the logging of login events:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no login
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

login (config-line)

To specify whether the console connection is subject to authentication, use the **login** command in Cisco Unity Express line configuration mode. Use the **no** or **default** form of this command to disable console authentication.

login

no login

default login

Syntax Description This command has no arguments or keywords.

Defaults There is no console authentication

Command Modes Cisco Unity Express line configuration (config-line)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines To configure whether the console connection is subject to authentication, you must first enter the **line console** command and then the **login** command.

If authentication is not enabled for console connection, any user logging into the system through the console is given the superuser privilege and is not required to provide a username or password.

Examples The following example enables authentication for the console:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# line console
se-10-0-0-0(config-line)# login
```

Related Commands	Command	Description
	license activate voicemail mailboxes	Enters config-line submode.

login-fail (aaa accounting event)

To enable or disable the logging of failed login attempts, use the **login-fail** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of failed login attempts. Use the **default** form of this command to restore the default setting (the logging of failed login attempts is enabled).

login-fail

no login-fail

default login-fail

Syntax Description This command has no arguments or keywords.

Command Default The logging of failed login attempts is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of failed login attempts for all forms of system access except IMAP, including access to the CLI, GUI, TUI, and VVE, when a login is required.

Examples The following example disables the logging of failed login attempts:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no login-fail
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

login pinless

To configure pin login behavior for the mailbox, use the **login pinless** command in Cisco Unity Express config-mailbox mode. Use the **no** or **default** version to return to the default setting, requiring callers to enter a PIN to access their mailbox.

login pinless {**subscriber-phones** | **any-phone**}

no login pinless

Syntax Description

subscriber-phone-number	Allows callers to access their voice mailbox from any phone configured for the mailbox owner without entering a PIN.
any-phone-number	Allows callers to access to their voice mailbox from any phone without entering a PIN.

Defaults

Callers must enter a PIN to access their mailbox.

Command Modes

Cisco Unity Express config-mailbox

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

By default, a PIN is required to access voice mailboxes. You must configure this command to allow PINless access.

When you allow a caller to PINless access the voice mailbox from any phone configured for the mailbox owner, this includes access from the subscriber's configured extension, E.164 number, or fax numbers. Any callers not originating from one of these sources were required to enter a PIN to gain access to the voice mailbox with this configuration.

This command is valid only for personal mailboxes. You cannot use this command to configure a GDM to use PINless login.

The following example allows callers to access their voice mailbox from any phone configured for the mailbox owner without entering a PIN:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user4
se-10-0-0-0(config-mailbox)# login pinless subscriber-phones
se-10-0-0-0(config-mailbox)# exit
```

Related Commands

Command	Description
show voicemail	Displays properties configured for the voice-mail system.

logout (aaa accounting event)

To enable or disable the logging of logout events, use the **logout** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of logout events. Use the **default** form of this command to restore the default setting (the logging of logout events is enabled).

logout

no logout

default logout

Syntax Description This command has no arguments or keywords.

Command Default The logging of logout events is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command enables the logging of all forms of system access except IMAP, including access to the CLI, GUI, TUI, and VVE, when a login is required before logout.

Examples The following example disables the logging of logout events:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no logout
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.



M

Last Updated: January 12, 2009

[maxactive \(ccn subsystem edbs dbprofile\)–IVR Only](#)

[maxsessions \(ccn application\)](#)

[maxsessions \(ccn trigger http\)–IVR Only](#)

[maxsessions \(ccn trigger jtapi\)](#)

[maxsessions \(ccn trigger sip\)](#)

[maxsessions \(IMAP\)](#)

[maxsteps \(ccn engine\)](#)

[messaging-gateway](#)

[messaging-gateway directory lookup](#)

[messaging-gateway directory lookup tui-prompt](#)

[messaging-gateway registration](#)

[mwi envelope-info](#)

[mwi refresh](#)

[mwi sip](#)

[mwiport](#)

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	<i>number</i>	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

<i>maximum-sessions</i>	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 phonenum trigger simultaneously to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger jtapi phonenum 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 phonenum	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 phonenumbers trigger simultaneously to 12.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn trigger sip phonenumbers 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 phonenumbers	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.
<i>location-id</i>	ID number of the messaging gateway to which Cisco Unity Express is requesting to be registered.
<i>ip-addr</i>	IP address of the messaging gateway to which Cisco Unity Express is requesting to be registered.
port <i>umg-port</i>	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 messaging 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 sent 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 to 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 <i>tel-number</i>	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

<i>dn-number</i>	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.



N

Last Updated: May 1, 2006

[name \(network location id\)](#)
[network copy spokenname](#)
[network location](#)
[network location cache expiry](#)
[network location cache refresh](#)
[notification security login password](#)
[notification security login user](#)
[notification security pin password](#)
[notification security pin reset](#)
[notification security pin uid](#)
[ntp server](#)

name (network location id)

To specify the name of a network location, use the **name** command in location configuration mode. To set the name to an empty string, use the **no** form of this command.

name *name*

no name *name*

Syntax Description

<i>name</i>	Descriptive name used to identify the location. Enclose the name in double quotes if spaces are used.
-------------	---

Defaults

No network location is specified.

Command Modes

Location configuration

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 creates the remote location ID 9 with the name mylocation:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# name mylocation
```

Related Commands

Command	Description
network location	Specifies the ID of a remote location.
show network detail local	Displays network information for a specified location.
show network detail location id	Displays network information for a specified location ID.
show network locations	Displays information about network locations.

network copy spokename

To upload or download a spoken name for a network location, use the **network copy spokename** command in Cisco Unity Express EXEC mode.

Uploading the Spoken Name

```
network copy spokename location id location-id url url loginname server-login password
server-password
```

Downloading the Spoken Name

```
network copy spokename url url location id location-id loginname server-login password
server-password
```

Syntax Description	Parameter	Description
	location id <i>location-id</i>	Network location ID.
	url <i>url</i>	URL to the spoken name file on the server.
	loginname <i>server-login</i>	Server login.
	password <i>server-password</i>	Server password.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines Use the Administration via Telephone (AvT) options to record the spoken names. Those name files are stored in the Lightweight Directory Access Protocol (LDAP) on the Cisco Unity Express module. If you download the files to a server other than the Cisco Unity Express module, you can upload those files to another Cisco Unity Express module in the network.

Examples The following example uploads the spoken name file rename.wav for location 500:

```
se-10-0-0-0# network copy spokename location id 500 url ftp://10.4.51.66/rename.wav
loginname admin password test
```

The following example downloads the spoken name file rename.wav for location 500:

```
se-10-0-0-0# network copy spokename url ftp://10.4.51.66/rename.wav location id 500
loginname admin password test
```

Related Commands	Command	Description
	network location	Specifies the ID of a remote location.
	show network locations	Displays information about network locations.

network location

To specify the location ID of a remote voice-mail system and to enter location configuration mode, use the **network location** command in Cisco Unity Express configuration mode. To delete the network location configuration, use the **no** form of this command.

network location id *number*

no network location id *number*

Syntax Description

id number

Specifies the ID number of the remote voice-mail system. The maximum length of the number is 7 digits. Cisco Unity Express supports a maximum of 500 locations.

Defaults

No location IDs are configured.

Command Modes

Location configuration

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 create a remote location ID and enter location configuration mode. In location configuration mode, you can complete the remote location configuration.

Examples

The following example creates the remote location ID 9 and enters location configuration mode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)#
```

Related Commands

Command	Description
name (network location id)	Specifies a name for the remote location.
show network detail local	Displays network information for a specified location.

Command	Description
show network detail location id	Displays network information for a specified location ID.
show network locations	Displays information about network locations.

network location cache expiry

To set the expiration time for cached locations on Cisco Unity Express, use the **network location cache expiry** command in Cisco Unity Express configuration mode. Use the **no** form of this command to return the expiration time to the default value.

network location cache expiry *numeric*

no network location cache expiry *numeric*

Syntax Description	<i>numeric</i>	The expiration time, in days, of cached locations on Cisco Unity Express.
--------------------	----------------	---

Command Modes	Cisco Unity Express configuration
---------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.1	This command was introduced.

Usage Guidelines	This command sets the expiration time, in days, of cached locations on Cisco Unity Express.
------------------	---

Examples	The following example sets the expiration time of cached locations to 14 days.
----------	--

```

:
se-10-0-0-0# config t
se-10-0-0-0 (config)# network location cache expiry 14

```

Related Commands	Command	Description
	network location cache refresh	Manually refresh a remote location entry cached on Cisco Unity Express.
	show network locations cached	Displays information about all remote location entries cached on Cisco Unity Express.

network location cache refresh

To manually refresh a remote location entry cached on Cisco Unity Express, use the **network location cache refresh** command in Cisco Unity Express EXEC mode.

network location cache refresh *ID*

Syntax Description	<i>ID</i> Location ID of the cached remote location entry to refresh.
---------------------------	---

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	3.1	This command was introduced.

Usage Guidelines	This command does not generate a response if the refresh is successful. If the refresh is unsuccessful, an error message is displayed.
-------------------------	--

Examples The following example manually refreshes a remote location entry with the ID of 41:

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# network location cache refresh
```

Related Commands	Command	Description
	network location cache expiry	Sets the expiration time for cached locations on Cisco Unity Express.
	show network locations cached	Displays information about all remote location entries cached on Cisco Unity Express.

notification security login password

To set the number of password failures before a notification is sent to the SNMP host, use the **notification security login password** command in Cisco Unity Express configuration mode. Use the **no** form of this command to set the threshold to the default.

notification security login password *threshold*

no notification security login password

Syntax Description

<i>threshold</i>	Number of login password failures in a 5 minute interval. Default is 30. Valid values are 0 to 999.
------------------	---

Defaults

30 failures

Command Modes

Cisco Unity Express configuration

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

Use the **notification security login password** command to set the number of failures for login passwords in a 5-minute interval to *threshold*. If the number of failures exceeds this value, the system sends a notification to the SNMP host.

Examples

The following example sets the number of password errors to 3:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# notification security login password 3
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration

Login user threshold:      30      (errors within a 5 minute interval)
Login password threshold: 12      (errors within a 5 minute interval)
PIN uid threshold:        30      (errors within a 5 minute interval)
PIN password threshold:   3       (errors within a 5 minute interval)
PIN reset threshold:      5       (resets within a 5 minute interval)
```

The following example resets the login threshold:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no notification security login password
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```

Login user threshold:      30   (errors within a 5 minute interval)
Login password threshold:  30   (errors within a 5 minute interval)
PIN uid threshold:        30   (errors within a 5 minute interval)
PIN password threshold:   30   (errors within a 5 minute interval)
PIN reset threshold:      5    (resets within a 5 minute interval)

```

Related Commands

Command	Description
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.

notification security login user

To set the number of login failures before a notification is sent to the SNMP host, use the **notification security login user** command in Cisco Unity Express configuration mode. Use the **no** form of this command to set the threshold to the default.

notification security login user *threshold*

no notification security login user

Syntax Description	<i>threshold</i>	Number of login failures in a 5 minute interval. Default is 30. Valid values are 0 to 999.
Defaults	30 failures	
Command Modes	Cisco Unity Express configuration	
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 Use the **notification security login user** command to set the number of failures for login names in a 5-minute interval to *threshold*. If the number of failures exceeds this value, the system sends a notification to the SNMP host.

Examples The following example sets the number of login user ID failures to 5:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# notification security login user 5
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```
Login user threshold:      5      (errors within a 5 minute interval)
Login password threshold:  30      (errors within a 5 minute interval)
PIN uid threshold:        30      (errors within a 5 minute interval)
PIN password threshold:   30      (errors within a 5 minute interval)
PIN reset threshold:      5      (resets within a 5 minute interval)
```

The following example resets the login user ID threshold:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no notification security login user
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```

Login user threshold:      30   (errors within a 5 minute interval)
Login password threshold: 30   (errors within a 5 minute interval)
PIN uid threshold:        30   (errors within a 5 minute interval)
PIN password threshold:   30   (errors within a 5 minute interval)
PIN reset threshold:      5    (resets within a 5 minute interval)

```

Related Commands

Command	Description
notification security login password	Sets the threshold for SNMP login password 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.

notification security pin password

To set the number of PIN password failures before a notification is sent to the SNMP host, use the **notification security pin password** command in Cisco Unity Express configuration mode. Use the **no** form of this command to set the threshold to the default.

notification security pin password *threshold*

no notification security pin password

Syntax Description	<i>threshold</i>	Number of PIN password failures in a 5 minute interval. Default is 30. Valid values are 0 to 999.
---------------------------	------------------	---

Defaults	30 failures
-----------------	-------------

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

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	Use the notification security pin password command to set the number of PIN password failures in a 5-minute interval to <i>threshold</i> . If the number of failures exceeds this value, the system sends a notification to the SNMP host.
-------------------------	---

Examples	The following example sets the number of PIN password failures to 5:
-----------------	--

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# notification security pin password 5
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```
Login user threshold:      30      (errors within a 5 minute interval)
Login password threshold:  5       (errors within a 5 minute interval)
PIN uid threshold:        30       (errors within a 5 minute interval)
PIN password threshold:   30       (errors within a 5 minute interval)
PIN reset threshold:      5        (resets within a 5 minute interval)
```

The following example resets the PIN password threshold:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no notification security pin password
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```

Login user threshold:      30    (errors within a 5 minute interval)
Login password threshold:  30    (errors within a 5 minute interval)
PIN uid threshold:        30    (errors within a 5 minute interval)
PIN password threshold:   30    (errors within a 5 minute interval)
PIN reset threshold:      5     (resets within a 5 minute interval)

```

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 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.

notification security pin reset

To set the number of PIN resets before a notification is sent to the SNMP host, use the **notification security pin reset** command in Cisco Unity Express configuration mode. Use the **no** form of this command to set the threshold to the default.

notification security pin reset *threshold*

no notification security pin reset

Syntax Description	<i>threshold</i>	Number of PIN resets in a 5 minute interval. Default is 5. Valid values are 0 to 999.
---------------------------	------------------	---

Defaults	5 attempts
-----------------	------------

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

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	Use the notification security pin reset command to set the number of PIN password resets in a 5-minute interval to the <i>threshold</i> value. If the number of resets exceeds this value, the system sends a notification to the SNMP host.
-------------------------	---

Examples	The following example sets the number of PIN resets to 15:
-----------------	--

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# notification security pin reset 15
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```
Login user threshold:      30      (errors within a 5 minute interval)
Login password threshold:  30      (errors within a 5 minute interval)
PIN uid threshold:        30      (errors within a 5 minute interval)
PIN password threshold:   30      (errors within a 5 minute interval)
PIN reset threshold:      15      (resets within a 5 minute interval)
```

The following example resets the PIN reset threshold:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no notification security pin reset
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration
```

```

Login user threshold:      30   (errors within a 5 minute interval)
Login password threshold: 30   (errors within a 5 minute interval)
PIN uid threshold:        30   (errors within a 5 minute interval)
PIN password threshold:   30   (errors within a 5 minute interval)
PIN reset threshold:      5    (resets within a 5 minute interval)

```

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 uid	Sets the threshold for SNMP PIN user ID failures.
show notification configuration	Displays configured notification thresholds.

notification security pin uid

To set the number of PIN user ID failures before a notification is sent to the SNMP host, use the **notification security pin uid** command in Cisco Unity Express configuration mode. Use the **no** form of this command to set the threshold to the default.

notification security login user *threshold*

no notification security login user

Syntax Description	<i>threshold</i>	Number of PIN user ID failures in a 5 minute interval. Default is 30. Valid values are 0 to 999.
Defaults	30 failures	
Command Modes	Cisco Unity Express configuration	
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 Use the **notification security pin uid** command to set the number of failures for PIN user IDs to *threshold*. If the number of failures exceeds this value, the system sends a notification to the SNMP host.

Examples The following example sets the number of PIN user ID failures to 8:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# notification security pin uid 8
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration

Login user threshold:      30      (errors within a 5 minute interval)
Login password threshold: 30      (errors within a 5 minute interval)
PIN uid threshold:        8        (errors within a 5 minute interval)
PIN password threshold:   30      (errors within a 5 minute interval)
PIN reset threshold:      5        (resets within a 5 minute interval)
```

The following example resets the PIN user ID threshold:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no notification security pin uid
se-10-0-0-0(config)# end
se-10-0-0-0 #
se-10-0-0-0 #show notification configuration

Login user threshold:      30      (errors within a 5 minute interval)
```

```

Login password threshold: 30 (errors within a 5 minute interval)
PIN uid threshold:       30 (errors within a 5 minute interval)
PIN password threshold: 30 (errors within a 5 minute interval)
PIN reset threshold:    5 (resets within a 5 minute interval)

```

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.
show notification configuration	Displays configured notification thresholds.

ntp server

To configure the Network Time Protocol (NTP) server to keep the system time in synchronization with the NTP server, use the **ntp server** command in Cisco Unity Express configuration mode. To delete the NTP server name, use the **no** form of this command.

```
ntp server {hostname | ip-address} [prefer]
```

```
no ntp server {hostname | ip-address}
```

Syntax Description

<i>hostname</i>	Hostname of the NTP server.
<i>ip-address</i>	IP address of the NTP server.
prefer	(Optional) Marks the server as preferred.

Defaults

The default is the IP address of the Cisco Unified Communications Manager server.

Command Modes

Cisco Unity Express configuration

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 in conjunction with the **clock timezone** command to set the timing functions for Cisco Unity Express systems and applications.

The **prefer** option indicates that the specified server will be chosen for synchronization from among a set of correctly operating hosts.



Caution

The **no ntp server** command deletes the NTP server name and the Cisco Unified Communications Manager router IP address. Use this command with caution as it can disrupt communication between Cisco Unity Express and Cisco Unified Communications Manager.

Examples

The following example assigns the server with address 192.168.10.0 as the NTP server:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
```

```
se-10-0-0-0(config)# ntp server 192.168.10.0 prefer
```

The following example assigns the server main_ntp as the NTP server:

```
se-10-0-0-0> enable
se-10-0-0-0# config t
se-10-0-0-0(config)# ntp server main_ntp
```

Related Commands

Command	Description
clock timezone	Configures the local time zone.
show clock detail	Displays current clock statistics.
show ntp source	Displays current NTP server statistics.



0

Last Updated: May 1, 2006

[offline](#)

[open day](#)

offline

To enter the environment for the backup and restore procedures, use the **offline** command in Cisco Unity Express EXEC mode.

offline

Syntax Description This command has no arguments or keywords.

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 Backup and restore procedures require that call activity be halted before the procedures begin. The **offline** command terminates all active calls and prevents new calls from being accepted. Consider scheduling this procedure when call activity is at a minimum.

The **offline** command does not start the backup or restore procedure. Use the **backup** and **restore** commands to initiate those procedures.

Examples The following example illustrates the use of the **offline** command:

```
se-10-0-0-0> enable
se-10-0-0-0# offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.

Do you wish to continue[n]? : y
se-10-0-0-0(offline)#
```

Related Commands	Command	Description
	backup	Selects data to back up and initiates the backup process.
	continue	Exits offline mode and returns to Cisco Unity Express EXEC mode.
	restore	Selects data to restore and initiates the restore process.

open day

To specify the hours when a business is open, use the **open day** command in Cisco Unity Express business configuration mode. To change an open time to a closed time, use the **no** form of this command.

open day *day-of-week* **from** *hh:mm* **to** *hh:mm*

no open day *day-of-week* **from** *hh:mm* **to** *hh:mm*

Syntax Description		
	<i>day-of-week</i>	Day of the week. Valid values are 1 to 7, where 1 represents Sunday.
	from <i>hh:mm</i>	Starting time. Use the 24-hour clock for the hours <i>hh</i> . Valid values for minutes <i>mm</i> are 0 to 30.
	to <i>hh:mm</i>	Ending time. Use the 24-hour clock for the hours <i>hh</i> . Valid values for minutes <i>mm</i> are 0 to 30.

Defaults Open 24 hours each day, 7 days per week

Command Modes Cisco Unity Express business configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines Each day is divided into half-hour time slots. By default, all the time slots are open. The **open day** command changes a closed time slot to an open time slot.

The **open day** command gives the same results as the **no closed day** command.

Examples The following example creates a business-hours schedule called normal:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# calendar biz-schedule normal
Adding new schedule
se-10-0-0-0(config-business)# closed day 1 from 00:00 to 24:00
se-10-0-0-0(config-business)# closed day 2 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 2 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 3 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 3 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 4 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 4 from 17:30 to 24:00
se-10-0-0-0(config-business)# closed day 5 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 5 from 20:00 to 24:00
se-10-0-0-0(config-business)# closed day 6 from 00:00 to 08:30
se-10-0-0-0(config-business)# closed day 6 from 18:00 to 24:00
se-10-0-0-0(config-business)# closed day 7 from 00:00 to 09:00
se-10-0-0-0(config-business)# closed day 7 from 13:00 to 24:00
se-10-0-0-0(config-business)# end
se-10-0-0-0(config)# exit
```

The following example modifies the existing normal business schedule:

```
se-10-0-0-0(config)# calendar biz-schedule normal
Modifying existing schedule
se-10-0-0-0(config-business)# open day 1 from 09:00 to 12:00
se-10-0-0-0(config-business)# end
se-10-0-0-0(config)# exit
```

Using the **no closed day 1 from 09:00 to 12:00** command gives the same result as the **open day** command above.

Related Commands

Command	Description
calendar biz-schedule	Creates a business-hours schedule.
closed day	Specifies the times when a business is closed.
show calendar biz-schedule	Displays the business-hours schedules configured on the local system.



P

Last Updated: October 20, 2009

[parameter \(ccn application\)](#)

[parameter \(ccn subsystem edbs dbprofile\)–IVR Only](#)

[privilege](#)

[purge notification \(ccn reporting historical\)](#)

[purge now \(ccn reporting historical\)](#)

[purge purge-capacity \(ccn reporting historical\)](#)

[purge schedule \(ccn reporting historical\)](#)

[purge warning-capacity \(ccn reporting historical\)](#)

parameter (ccn application)

To set the value for a CCN application parameter, use the **parameter** command in Cisco Unity Express configuration application mode. This command does not have a **no** form.

parameter *parameter-name* "value"

Syntax Description

parameter-name	Specifies the parameter whose value is being set. These parameters are specified in the application script.
"value"	Specifies the value for the parameter. The value must be entered within double quotes.

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.

Usage Guidelines

Following are the parameters that may be configured for the aa.aef script:

- welcomePrompt—default: AAWelcome.wav
- operExtn—default: none
- holidayPrompt—default: AAHolidayPrompt.wav
- businessOpenPrompt—default: AABusinessOpen.wav
- businessClosedPrompt—default: AABusinessClosed.wav
- businessSchedule—default: systemschedule
- disconnectAfterMenu—default: false
- allowExternalTransfers—default: false

Following are the parameters that may be configured for the aa_simple.aef script:

- welcomePrompt—default: AAWelcome.wav
- operExtn—default: 0
- MaxRetry—default: 3
- holidayPrompt—default: AAHolidayPrompt.wav
- businessOpenPrompt—default: AABusinessOpen.wav

- businessClosedPrompt—default: AABusinessClosed.wav
- playExtensionsPrompt—default: AASPlayExtensions.wav
- extensionLength—default: 1
- businessSchedule—default: systemschedule
- disconnectAfterMenu—default: false
- allowExternalTransfers—default: false

Use the default parameter command to configure custom-defined parameters.

Examples

The following examples sets the value of the MaxRetry parameter to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application autoattendant
se-10-0-0-0(config-application)# parameter MaxRetry "6"
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.
default (ccn application)	Configures application parameters.
show call-agent	Displays the CCN application details.

parameter (ccn subsystem edbs dbprofile)–IVR Only

To specify the Java Database Connectivity (JDBC) driver–specific parameter for the Cisco Unity Express IVR enterprise database subsystem (EDBS), use the **parameter** command in Cisco Unity Express IVR EDBS profile configuration mode. To delete the JDBC parameter, use the **no** form of this command.

parameter *name value*

no parameter *name value*

Syntax Description	<i>name value</i> (Optional) Name value pair that matches the JDBC driver requirements.
---------------------------	---

Command Default	None
------------------------	------

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 dbprofile command is successfully performed, use the optional parameter command to specify the JDBC driver–specific parameter. The name value pair must match the JDBC driver requirements. Each JDBC driver can have its own unique set of customized settings. You can use this command multiple times to set multiple driver properties.
-------------------------	--

Examples	The following example configures the JDBC driver parameters:
-----------------	--

```
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)# parameter *headerchar *continuation
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 configuration settings.

privilege

To add and configure a new privilege or define the properties of an existing privilege, use the **privilege** command in Cisco Unity Express configuration mode. Use the **no** version to remove the privilege.

```
privilege privilege-name [description string | operation operation-name | include
privilege-name2]
```

```
no privilege privilege-name
```

Syntax Description

<i>privilege-name</i>	Label used to identify and configure a new privilege.
description <i>string</i>	(Optional) Add a description for the privilege. The description appears in the output of the show privilege detail and show privileges commands.
operation <i>operation-name</i>	(Optional) Associate an operation to the privilege.
include <i>privilege-name 2</i>	(Optional) Include, or nest, another privilege into this privilege.

Defaults

If no new privileges are defined, only predefined privileges are available. Unless otherwise specified, the default for new privileges is that they have no operation associated with them, no text description, and no second privilege is nested within them.

Command Modes

Cisco Unity Express configuration (config)

Command History

Cisco Unity Express Version	Modification
7.0	This command was introduced.

Usage Guidelines

If no new privileges are added, predefined privileges are used.

Examples

The following example enables authentication for the console:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# privilege sales_vp operation security.configuration
```

Related Commands

Command	Description
show operations	Shows all operations.
show privileges	Shows all system privileges.

purge notification (ccn reporting historical)

To configure e-mail addresses to notify users of automatic database purges of the Cisco Unity Express IVR reporting historical database, use the **purge notification** command in Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to delete this configuration.

purge notification email address *email-address*

no purge notification email address *email-address*

Syntax Description	email address <i>email-address</i>	E-mail address, or series of e-mail addresses (of up to 255 characters in length) separated by commas, sent to notify users that the reporting historical database has been purged.
---------------------------	--	---

Command Default No default e-mail address is configured.

Command Modes Cisco Unity Express IVR reporting historical configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced,

Usage Guidelines There is no default e-mail address for sending a notification. If an e-mail address is not configured, notifications are not sent.

If you must configure more than one e-mail address, enter the series of e-mail addresses separated by commas, without spaces.

Examples The following example configures an e-mail address to notify administrators that the Cisco Unity Express IVR reporting historical database has been automatically purged:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# purge notification email address name@domain.com
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

purge now (ccn reporting historical)

To manually purge the Cisco Unity Express IVR reporting historical database and remove historical data older than the configured *days-to-keep* number of days, use the **purge now** command in Cisco Unity Express IVR reporting historical configuration mode.

purge now *days-to-keep* *days*

Syntax Description	days-to-keep <i>days</i>	Number of days after which data older than the number of days specified are deleted from the reporting historical database. The valid range is from 1 to 1000.
---------------------------	---------------------------------	--

Command Default	None
------------------------	------

Command Modes	Cisco Unity Express IVR reporting historical configuration
----------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced,

Usage Guidelines	When the database is purged, historical statistics older than the configured <i>days-to-keep</i> value are removed from the database. The <i>days-to-keep</i> value is required for manually purging the database.
-------------------------	--

Examples	The following example manually purges the reporting historical database and any data older than 7 days:
-----------------	---

```
se-10-0-0-0# config t
se-10-0-0-0# ccn reporting historical
se-10-0-0-0(config-hrdm)# purge now days-to-keep 7
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration setting.

purge purge-capacity (ccn reporting historical)

To set the purge threshold (as a percentage of the total database capacity) and the age of data to be purged in the Cisco Unity Express IVR reporting historical database, use the **purge purge-capacity** command in Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to set the purge capacity percentage and the *number-of-days* to purge to the default value.

purge purge-capacity percentage *percent* **days-to-purge** *days*

no purge purge-capacity percentage *percent* **days-to-purge** *days*

Syntax Description

percentage <i>percent</i>	Purge threshold as a percentage of the total database capacity. The valid purge threshold percentage is in the range from 0 to 90.
days-to-purge <i>days</i>	Number of days after which data older than the number of days specified are deleted from the reporting historical database. The valid number of days-to-purge is in the range from 0 to 999.

Command Default

The default purge capacity percent value is 90.
The default number of *days* to purge is 7.

Command Modes

Cisco Unity Express IVR reporting historical configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced,

Usage Guidelines

The maximum purge capacity percentage value allowed is 90.

Examples

The following example configures the Cisco Unity Express IVR reporting historical database purge capacity threshold to 90 and the number of days-to-purge data to 7:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# purge purge-capacity percentage 90 days-to-purge 7
se-10-0-0-0(config-hrdm)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration setting.

purge schedule (ccn reporting historical)

To schedule the time of day for daily purging the Cisco Unity Express IVR reporting historical database, use the **purge schedule** command in Cisco Unity Express IVR reporting historical configuration mode. Use the **no** form of this command to set the scheduled purge time and number of days to the default value.

purge schedule time *hh:mm* **days-to-keep** *days*

no purge schedule time *hh:mm* **days-to-keep** *days*

Syntax Description

time <i>hh:mm</i>	The daily time in hours and minutes (hh:mm) in 24-hour format, at which the data is purged from the reporting historical database.
days-to-keep <i>days</i>	Sets the number of days after which data older than the number of days specified are deleted from the reporting historical database. The value for days-to-keep is in the range from 0 to 1000.

Command Default

The default purge schedule is set at 04:00. The default number of days-to-keep is 90 for the AIM-CUE/AIM2-CUE module and 365 for the NM-CUE, NM-CUE-EC, NME-CUE and ISM-SRE-300-K9 modules.

Command Modes

Cisco Unity Express IVR reporting historical configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced,

Usage Guidelines

Database purging is performed daily at the time of day (in hours:minutes 24-hour format) specified. Stored historical data older than that specified in the *days-to-keep* value (in days) is purged from the database. [Table 5](#) summarizes the maximum values that can be specified for *days-to-keep*.

Table 5 Maximum Days-to-Keep Value

Database	Storage Limits
AIM-CUE/AIM2-CUE	90 days or database 90% full
NM/NM-EC/NME-CUE ISM-SRE-300-K9 SM-SRE-700-K9	365 days or database 90% full

Examples

The following example configures the reporting historical database to purge data older than 30 days at 4:00 a.m. daily:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn reporting historical
se-10-0-0-0(config-hrdm)# purge schedule time 04:00 days-to-keep 30
se-10-0-0-0(config-hrdm)# end
```

■ **purge schedule (ccn reporting historical)**

```
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.

purge warning-capacity (ccn reporting historical)

To send an e-mail notification when a certain percentage database capacity is reached, use the **purge warning-capacity** command in Cisco Unity Express IVR reporting historical configuration mode.

When the percentage of capacity is reached, an e-mail is sent to notify users that the Cisco Unity Express IVR reporting historical database capacity is approaching its limit. Use the **no** form of this command to set the warning capacity percentage to the default value.

purge warning-capacity percentage *percent*

no purge warning-capacity percentage *percent*

Syntax Description	percentage <i>percent</i>	Percentage of the total Cisco Unity Express IVR reporting historical database capacity. The valid percentage is in the range from 0 to 95.				
Command Default	The default is 85 percent of database capacity.					
Command Modes	Cisco Unity Express IVR reporting historical configuration					
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>This command was introduced,</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	3.0	This command was introduced,	
Cisco Unity Express Version	Modification					
3.0	This command was introduced,					
Usage Guidelines	An e-mail warning is sent when the maximum percentage value (90 percent) is reached.					
Examples	<p>The following example configures the warning percentage for the Cisco Unity Express IVR reporting historical database at 80 percent:</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# ccn reporting historical se-10-0-0-0(config-hrdm)# purge warning-capacity percentage 80 se-10-0-0-0(config-hrdm)# end se-10-0-0-0(config)# exit</pre>					
Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>show ccn reporting historical</td> <td>Displays the Cisco Unity Express IVR reporting historical database configuration settings.</td> </tr> </tbody> </table>	Command	Description	show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.	
Command	Description					
show ccn reporting historical	Displays the Cisco Unity Express IVR reporting historical database configuration settings.					



R

Last Updated: August 21, 2009

[redirect-css cti-port](#)
[redirect-css route-point](#)
[reload](#)
[remote cache enable](#)
[remote copy spokenname](#)
[remote username fullname](#)
[remote username location](#)
[remote username phonenumber](#)
[repeat daily \(backup-schedule\)](#)
[repeat daily \(kron-schedule\)](#)
[repeat every \(backup-schedule\)](#)
[repeat every \(kron-schedule\)](#)
[repeat monthly \(backup-schedule\)](#)
[repeat monthly \(kron-schedule\)](#)
[repeat once \(backup-schedule\)](#)
[repeat once \(kron-schedule\)](#)
[repeat weekly \(backup-schedule\)](#)
[repeat weekly \(kron-schedule\)](#)
[repeat yearly \(backup-schedule\)](#)
[repeat yearly \(kron-schedule\)](#)
[restore](#)
[restore factory default](#)
[restriction create](#)
[restriction delete](#)
[restriction dial-string](#)
[restriction max-digits](#)
[restriction min-digits](#)

[retries \(aaa-authentication\)](#)

[retries \(aaa-accounting\)](#)

redirect-css cti-port

To specify the calling search space used to redirect calls from CTI ports to elsewhere, use the **redirect-css cti-port** command in Cisco Unity Express JTAPI configuration mode. To remove the redirection and return to the default value, use the **no** or **default** form of this command.

```
redirect-css cti-port {ccm-default | calling-party | redirecting-party}
```

```
no redirect-css cti-port
```

```
default redirect-css cti-port
```

Syntax Description

ccm-default	Use the default calling search space of the Cisco Unity Express to redirect. This is the redirection method available before this command was introduced.
calling-party	Use the original calling party's calling search space to redirect.
redirecting-party	Use the redirecting party's calling search space to redirect.

Command Default

redirecting-party

Command Modes

Cisco Unity Express JTAPI configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

To maintain backwards compatibility, the default for this command is to redirect using the redirecting party's search space.

Examples

The following example specifies that the redirecting party's calling search space is used to redirect calls from CTI ports to elsewhere:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# redirect-css cti-port redirecting-party
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.

redirect-css route-point

To specify the calling search space used to redirect calls from route points to CTI ports, use the **redirect-css route-point** command in Cisco Unity Express JTAPI configuration mode. To remove the redirection and return to the default value, use the **no** or **default** form of this command.

redirect-css route-point {ccm-default | calling-party | redirecting-party}

no redirect-css route-point

default redirect-css route-point

Syntax Description

ccm-default	Use the default calling search space of the Cisco Unity Express to redirect. This is the redirection method available before this command was introduced.
calling-party	Use the original calling party's calling search space to redirect.
redirecting-party	Use the redirecting party's calling search space to redirect.

Command Default

ccm-default

Command Modes

Cisco Unity Express JTAPI configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

To maintain backwards compatibility, the default for this command is to use the redirection method available before this command was introduced, which is to redirect without Cisco Unity Express specifying a calling search space.

Examples

The following example specifies that the calling party's calling search space is used to redirect calls from CTI ports to elsewhere:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn subsystem jtapi
se-10-0-0-0(config-jtapi)# redirect-css cti-port calling-party
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.

reload

To restart the Cisco Unity Express system, use the **reload** command in Cisco Unity Express EXEC mode or offline mode.

reload

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC
Cisco Unity Express offline

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 in the following situations:

- After a **shutdown** command to restart the Cisco Unity Express system.
- After a **restore** command to activate the uploaded file information.

Examples

The following example illustrates the use of the **reload** command after a restore procedure:

```
se-10-0-0-0# offline
se-10-0-0-0(offline)# restore id data3 category data
se-10-0-0-0(offline)# reload
```

Related Commands

Command	Description
backup	Backs up system and application data to a backup server.
continue	Exits offline mode and returns to Cisco Unity Express EXEC mode.
offline	Switches the Cisco Unity Express system to offline mode.
restore	Restores backup files from the backup server.

remote cache enable

To enable the least recent used (LRU) cache on the local system, use the **remote cache enable** command in Cisco Unity Express configuration mode. To disable the LRU cache, use the **no** form of this command.

remote cache enable

no remote cache enable

Syntax Description This command has no arguments or keywords.

Command Default Enabled

Command Modes Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

An LRU cache is a database of remote subscribers' first names, last names, and spoken names. These remote subscribers are not configured in the Remote User Directory. The subscribers contained in the cache are referred to as cached subscribers.

Network messages update the contents of the LRU cache. When a local sender addresses a voice-mail message to a remote subscriber, the system accesses this information to send a spoken name confirmation about the remote subscriber to the local sender. Each time a network message arrives from a cached subscriber or each time a local sender sends a voice message to a cached subscriber, the system updates the time stamp of the cached subscriber's entry in the LRU cache.

The maximum capacity of the LRU cache is 50 subscribers on the network module (NM) and 20 subscribers on the advanced integration module (AIM). When the LRU cache reaches its maximum capacity, a new entry erases the existing entry with the oldest time stamp. This means that the next time a local sender calls a remote subscriber, the sender will not receive a spoken name confirmation if the remote subscriber is no longer in the LRU cache.

Do one or both of the following to avoid the inconsistent confirmation response:

- To ensure that a sender always receives a spoken name confirmation for a remote subscriber, configure the remote subscriber in to the Remote User Directory.
- Disable the LRU cache.

The LRU cache contents are saved after system reloads.

The GUI **Defaults > Voice Mail** option also permits changing the status of the LRU cache.

Examples

The following example illustrates enabling the LRU cache on the local system:

```
se-10-0-0-0# config t  
se-10-0-0-0(config)# remote cache enable  
se-10-0-0-0(config)# exit
```

The following example illustrates disabling the LRU cache on the local system:

```
se-10-0-0-0# config t  
se-10-0-0-0(config)# no remote cache enable  
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show remote cache	Displays the local system's LRU cache.

remote copy spokename

To upload or download a spoken name for a remote subscriber, use the **remote copy spokename** command in Cisco Unity Express EXEC mode.

Uploading the Spoken Name

```
remote copy spokename username username url url loginname server-login password
server-password
```

Downloading the Spoken Name

```
remote copy spokename url url username username loginname server-login password
server-password
```

Syntax Description		
username <i>username</i>		Remote subscriber ID.
url <i>url</i>		URL to the spoken name file on the server.
loginname <i>server-login</i>		Server login.
password <i>server-password</i>		Server password.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines Use the Administration via Telephone (AvT) options to record the spoken names. Those name files are stored in the Lightweight Directory Access Protocol (LDAP) on the Cisco Unity Express module. If you download the files to a server other than the Cisco Unity Express module, you can upload those files to another Cisco Unity Express module in the network.

Examples The following example uploads the spoken name file user5.wav for remote subscriber user5:

```
se-10-0-0-0# remote copy spokename username user5 url ftp://10.4.51.66/tsmith.wav
loginname admin password test
```

The following example downloads the spoken name file user5.wav for remote subscriber user5:

```
se-10-0-0-0# remote copy spokename url ftp://10.4.51.66/tsmith.wav username user5
loginname admin password test
```

remote username fullname

To associate a full name with a remote subscriber, use the **remote username fullname** command in Cisco Unity Express EXEC mode. To delete the remote username, use the **no** form of this command.

```
remote username username fullname { display display-name | first first-name | last last-name }
no remote username username fullname { display display-name | first first-name | last last-name }
```

Syntax Description

<i>username</i>	Name of the remote subscriber.
display <i>display-name</i>	Full name of the remote subscriber. Enclose the name in double quotes (“ ”) if the name is more than one word. The system uses this name for telephone displays.
first <i>first-name</i>	First name of the remote subscriber. Enclose the name in double quotes (“ ”) if the name is more than one word.
last <i>last-name</i>	Last name of the remote subscriber. Enclose the name in double quotes (“ ”) if the name is more than one word.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

An error message appears if the username does not exist.

Examples

The following example configures several remote subscribers.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
```

```
se-10-0-0-0# remote username user1 fullname display "User 1"
se-10-0-0-0# remote username user1 fullname first User
se-10-0-0-0# remote username user1 fullname last 1
```

The following example deletes the display name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname display "User 5"
```

The following example deletes the first name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname first User
```

The following example deletes the last name for remote subscriber User5:

```
se-10-0-0-0# no remote username user5 fullname last 5
```

Related Commands

Command	Description
remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
remote username phonenumber	Configures a remote subscriber's telephone number on the local Cisco Unity Express system.
show remote user detail	Displays configuration details about a specified remote subscriber.
show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

remote username location

To configure a remote subscriber on the local Cisco Unity Express system, use the **remote username location** command in Cisco Unity Express EXEC mode or configuration mode. To delete a remote user from the system, use the **no** form of this command.

remote username *username* **location** *location-id* **create**

no remote username *username*

Syntax Description

<i>username</i>	Name of the remote subscriber.
<i>location-id</i>	Location ID of the remote site.
create	Creates the remote subscriber.

Command Default

No remote subscribers are configured.

Command Modes

Cisco Unity Express EXEC
Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

This command creates a remote subscriber on the local system so that a local voice-mail sender can address a remote recipient using dial-by-name. Additionally, the system provides the sender with a spoken name confirmation of the remote recipient so that the sender can verify that the name and location are correct.

Use the **remote username location** command once to associate the remote subscriber with a network location.

In Version 2.1, regardless of the license level, the network module (NM) supports a maximum of 50 remote subscribers and the advanced integration module (AIM) supports a maximum of 20 remote subscribers.

An error message appears if one of the following conditions occurs:

- A subscriber, group, or remote subscriber exists with this username.
- The maximum number of remote subscribers is already configured on the system.
- The location ID does not exist.
- The location ID is the local location.

Examples

The following example configures several remote subscribers.

```
se-10-0-0-0# config t
```

```

se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
se-10-0-0-0# remote username user2 fullname display "User 2"
se-10-0-0-0# remote username user2 fullname first User
se-10-0-0-0# remote username user2 fullname last 2
se-10-0-0-0#

```

The following example deletes the remote subscriber User2:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# no remote username user2
se-10-0-0-0(config)# end

```

Related Commands

Command	Description
remote username fullname	Configures a remote subscriber's full name on the local Cisco Unity Express system.
remote username phonenumber	Configures a remote subscriber's telephone number on the local Cisco Unity Express system.
show remote user detail	Displays configuration details about a specified remote subscriber.
show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

remote username phonenumber

To associate a telephone number with a remote subscriber, use the **remote username phonenumber** command in Cisco Unity Express configuration mode. To delete the telephone number, use the **no** form of this command.

remote username *username* **phonenumber** *extension-number*

no remote username *username* **phonenumber** *extension-number*

Syntax Description

<i>username</i>	Name of the remote subscriber.
<i>extension-number</i>	Extension number of the remote site.

Command Default

No phone numbers are configured for the remote subscribers.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

The local system does not verify the remote extension number.

An error message appears if one of the following conditions occurs:

- The username does not exist.
- The length of the extension number does not fall within the maximum and minimum extension lengths for the subscriber's location.

Examples

The following example configures several remote subscribers.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# remote username user2 location sjc create
se-10-0-0-0(config)# remote username user2 phonenumber 84444
se-10-0-0-0(config)# remote username user5 location sjc create
se-10-0-0-0(config)# remote username user5 phonenumber 81111
se-10-0-0-0(config)# remote username user3 location nyc create
se-10-0-0-0(config)# remote username user3 phonenumber 92222
se-10-0-0-0(config)# remote username user4 location nyc create
se-10-0-0-0(config)# remote username user4 phonenumber 93333
se-10-0-0-0(config)# end
se-10-0-0-0# remote username user2 fullname display "User 2"
se-10-0-0-0# remote username user2 fullname first User
se-10-0-0-0# remote username user2 fullname last 2
se-10-0-0-0# remote username user5 fullname display "User 5"
se-10-0-0-0# remote username user5 fullname first User
se-10-0-0-0# remote username user5 fullname last 5
se-10-0-0-0# remote username user3 fullname display "User 3"
```

```

se-10-0-0-0# remote username user3 fullname first User
se-10-0-0-0# remote username user3 fullname last 3
se-10-0-0-0# remote username user4 fullname display "User 4"
se-10-0-0-0# remote username user4 fullname first User
se-10-0-0-0# remote username user4 fullname last 4
se-10-0-0-0#

```

The following example deletes extension 84444 from remote subscriber User 4:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# no remote username user4 phonenumber 84444
se-10-0-0-0(config)# end

```

Related Commands

Command	Description
remote username fullname	Configures a remote subscriber's full name on the local Cisco Unity Express system.
remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
show remote user detail	Displays configuration details about a specified remote subscriber.
show remote users	Displays remote subscribers configured on the local Cisco Unity Express system.

repeat daily (backup-schedule)

To configure a recurring scheduled backup to occur once every day, use the **repeat daily** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat daily at *time*

no repeat daily at *time*

Syntax Description	<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.
---------------------------	-------------	---

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express scheduled backup configuration (backup-schedule)
----------------------	--

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	<p>When you enter a new repeat daily command, the previous scheduled daily backup is overwritten. You can also configure the following parameters for backup jobs:</p> <ul style="list-style-type: none"> • start date for recurring backup jobs • end date for recurring backup jobs
-------------------------	--

Examples	The following example configures a scheduled backup to occur once every day at 11:00pm:
-----------------	---

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat daily at 23:00
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat daily (kron-schedule)

To configure a recurring kron job to occur once every day, use the **repeat daily** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat daily at *time*

Syntax Description	<i>time</i>	Specifies the time of day that the recurring kron job begins. Use 24-hour format.
---------------------------	-------------	---

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express kron-schedule configuration
----------------------	---

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines	<p>When you enter a new repeat daily command, the previous scheduled kron job is overwritten.</p> <p>You can also configure the following parameters for kron jobs:</p> <ul style="list-style-type: none"> • start date for recurring kron jobs • end date for recurring kron jobs
-------------------------	---

Examples	<p>The following example configures a scheduled kron job to occur once every day at 11:00pm:</p> <pre>se-10-0-0-0# kron job krj1 se-10-0-0-0(kron-schedule)# repeat daily at 23:00</pre>
-----------------	--

Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>kron schedule</td> <td>Enters kron-schedule configuration mode.</td> </tr> <tr> <td>show kron schedule detail job</td> <td>Shows details for the specified recurring scheduled kron job.</td> </tr> </tbody> </table>	Command	Description	kron schedule	Enters kron-schedule configuration mode.	show kron schedule detail job	Shows details for the specified recurring scheduled kron job.
Command	Description						
kron schedule	Enters kron-schedule configuration mode.						
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.						

repeat every (backup-schedule)

To specify how often a recurring scheduled backup occurs, use the **repeat every** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat every {*number days* | *number weeks on day* | *number months on day date* | *number years on month month*} **at time**

no repeat every {*number days* | *number weeks on day* | *number months on day date* | *number years on month month*} **at time**

Syntax Description		
<i>number days</i>		Specifies the number of days between recurring scheduled backup jobs that the backup job is done.
<i>number weeks on day</i>		Specifies the number of weeks between recurring scheduled backup jobs and the day of the week that the backup is done.
<i>number months on day date</i>		Specifies the number of months between recurring scheduled backup jobs and the day of the month that the backup is done.
<i>number years on month month</i>		Specifies the number of years between recurring scheduled backup jobs and the month that the backup is done.
at time		Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command enters backup-schedule mode and enables you to configure a recurring backup job that repeats:

- Every N days at a specific time
- Every N weeks on specific day and time
- Every N months on a specific day of the month and time
- Every N years on a specific month



Note

To configure a one-time backup job, use the **repeat once** command.

You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples

The following example configures a scheduled backup to occur every 7 days at 11:00pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat every 7 days at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat every (kron-schedule)

To specify how often a recurring scheduled kron job occurs, use the **repeat every** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat every {*number days* | *number weeks on day* | *number months on day date* | *number years on month month*} **at time**

Syntax Description		
<i>number days</i>	Specifies the number of days between recurring scheduled kron jobs that the backup job is done.	
<i>number weeks on day</i>	Specifies the number of weeks between recurring scheduled kron jobs and the day of the week that the backup is done.	
<i>number months on day date</i>	Specifies the number of months between recurring scheduled kron jobs and the day of the month that the backup is done.	
<i>number years on month month</i>	Specifies the number of years between recurring scheduled kron jobs and the month that the backup is done.	
at time	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.	

Command Default None.

Command Modes Cisco Unity Express kron-schedule configuration

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines This command enables you to configure a recurring scheduled kron job that repeats:

- Every N days at a specific time
- Every N weeks on specific day and time
- Every N months on a specific day of the month and time
- Every N years on a specific month



Note To configure a one-time kron job, use the **repeat once** command.

You can also configure the following parameters for kron jobs:

- start date for recurring kron jobs
- end date for recurring kron jobs

Examples

The following example configures a scheduled kron job to occur every 7 days at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat every 7 days at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat monthly (backup-schedule)

To configure a recurring scheduled backup to occur once every month, use the **repeat monthly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat monthly on day *date* **at** *time*

no repeat monthly on day *date* **at** *time*

Syntax Description	Parameter	Description
	<i>date</i>	Specifies the day of the month that the backup is done.
	<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines When you enter a new **repeat monthly** command, the previous scheduled monthly backup is overwritten.

You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples The following example configures a scheduled backup to occur once every month on the 23rd day at 11:00 pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat monthly on day 23 at 23:00
```

Related Commands	Command	Description
	backup categories	Enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat monthly (kron-schedule)

To configure a recurring scheduled kron job to occur once every month, use the **repeat monthly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat monthly on day *date* **at** *time*

Syntax Description		
	<i>date</i>	Specifies the day of the month that the kron job is done.
	<i>time</i>	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express kron-schedule configuration

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines When you enter a new **repeat monthly** command, the previous scheduled kron job is overwritten.

You can also configure the following parameters for kron jobs:

- start date for recurring kron jobs
- end date for recurring kron jobs

Examples The following example configures a scheduled backup to occur once every month on the 23rd day at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat monthly on day 23 at 23:00
```

Related Commands	Command	Description
	kron schedule	Enters kron-schedule configuration mode.
	show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat once (backup-schedule)

To specify that a scheduled backup is repeated once, use the **repeat once** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat once on *date at time*

no repeat once on *date at time*

default repeat once on *date at time*

Syntax Description

<i>date</i>	Specifies the date that the recurring scheduled backup job is done.
<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default

None.

Command Modes

Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command enters backup-schedule mode and enables you to configure a one-time backup job.

Examples

The following example configures a one-time scheduled backup:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat once on October 10, 2009 at 22:20
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat once (kron-schedule)

To specify that a scheduled kron job is repeated once, use the **repeat once** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat once on *date* **at** *time*

default repeat once on *date* **at** *time*

Syntax Description	Parameter	Description
	<i>date</i>	Specifies the date that the recurring scheduled kron job is done.
	<i>time</i>	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express kron-schedule configuration

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines This command enables you to configure a one-time scheduled kron job.

Examples The following example configures a one-time scheduled kron job:

```
se-10-0-0-0# kron-schedule krj1
se-10-0-0-0(kron-schedule)# repeat once on October 10, 2009 at 22:20
```

Related Commands	Command	Description
	kron schedule	Enters kron-schedule configuration mode.
	show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat weekly (backup-schedule)

To configure a recurring scheduled backup to occur once every week, use the **repeat weekly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat weekly on *day at time*

no repeat weekly on *day at time*

Syntax Description

<i>day</i>	Specifies the day of the week that the backup is done.
<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default

None.

Command Modes

Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

When you enter a new **repeat weekly** command, the previous scheduled weekly backup is overwritten. You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples

The following example configures a scheduled backup to occur once every week on Tuesday at 11:00 pm:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat weekly on tuesday at 23:00
```

Related Commands

Command	Description
backup schedule	Enters backup-schedule submenu.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat weekly (kron-schedule)

To configure a recurring scheduled kron job to occur once every week, use the **repeat weekly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat weekly on *day* at *time*

Syntax Description

<i>day</i>	Specifies the day of the week that the backup is done.
<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default

None.

Command Modes

Cisco Unity Express kron-schedule configuration

Command History

Cisco Unity Express Version	Modification
8.0	This command was introduced.

Usage Guidelines

When you enter a new **repeat weekly** command, the previous scheduled weekly kron job is overwritten. You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples

The following example configures a scheduled backup to occur once every week on Tuesday at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(backup-schedule)# repeat weekly on tuesday at 23:00
```

Related Commands

Command	Description
kron schedule	Enters kron-schedule configuration mode.
show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

repeat yearly (backup-schedule)

To configure a recurring scheduled backup to occur once every year, use the **repeat yearly** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the backup job.

repeat yearly on month *month on day day at time*

no repeat yearly on month *month on day day at time*

Syntax Description		
	<i>month</i>	Specifies the month that the backup is done.
	<i>day</i>	Specifies the day of the month the scheduled backup is done.
	<i>time</i>	Specifies the time of day that the recurring scheduled backup job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express scheduled backup configuration (backup-schedule)

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines When you enter a new **repeat yearly** command, the previous scheduled yearly backup is overwritten. You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples The following example configures a scheduled backup to occur once a year on February 28 at 11:00 pm

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# repeat yearly on month february on day 28 at 23:00
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

repeat yearly (kron-schedule)

To configure a recurring scheduled kron job to occur once every year, use the **repeat yearly** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

repeat yearly on month *month on day* *day at time*

Syntax Description	Parameter	Description
	<i>month</i>	Specifies the month that the kron job is done.
	<i>day</i>	Specifies the day of the month the kron job is done.
	<i>time</i>	Specifies the time of day that the recurring scheduled kron job begins. Use 24-hour format.

Command Default None.

Command Modes Cisco Unity Express kron-schedule configuration

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines When you enter a new **repeat yearly** command, the previous scheduled yearly kron job is overwritten.

You can also configure the following parameters for backup jobs:

- start date for recurring backup jobs
- end date for recurring backup jobs

Examples The following example configures a scheduled kron job to occur once a year on February 28 at 11:00 pm:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# repeat yearly on month february on day 28 at 23:00
```

Related Commands	Command	Description
	kron schedule	Enters kron-schedule configuration mode.
	show kron schedule detail job	Shows details for the specified recurring scheduled kron job.

restore

To restore a backup file, use the **restore** command in Cisco Unity Express offline mode.

```
restore id backup-id category {all | configuration | data}
```

Syntax Description	id <i>backup-id</i>	Specifies the ID number of the file to be restored.
	category	Precedes the name of the file type to be restored.
	all	Specifies that the file to be restored contains system and application settings, application data, and voice messages.
	configuration	Specifies that the file to be restored contains only system and application settings.
	data	Specifies that the file to be restored contains only application data and voice messages.

Command Modes Cisco Unity Express offline

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 When the restore procedure begins, all active calls are terminated. Cisco Unity Express does not support scheduled restores. Consider restoring a file when the telephones are least active.

After the restore procedure is complete, use the **reload** command to activate the file data.

Use the **show backup history** command to locate the *backup-id* value of the file to be restored.

Examples The following example restores the file with the ID data5, which is a data-only file.

```
se-10-0-0-0> enable
se-10-0-0-0# offline
se-10-0-0-0(offline)# restore id data5 category data
se-10-0-0-0(offline)# reload
```

Related Commands	Command	Description
	continue	Exits offline mode and returns to Cisco Unity Express EXEC mode.
	offline	Enters offline mode.
	reload	Activates the uploaded file data.
	show backup history	Displays the status of backup procedures.
	show backup server	Displays the network FTP server designated as the backup server.

restore factory default

To restore the system to the factory defaults, use the **restore factory default** command in Cisco Unity Express offline mode.

restore factory default



Caution

This feature is not reversible. All data and configuration files are erased. Use this feature with caution. It is recommended that you do a full system backup before proceeding with this feature.

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express offline

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

Restoring the system to the factory defaults has the following effects:

- Replaces the current database with an empty database.
- Initializes the Lightweight Directory Access Protocol (LDAP) to an empty state.
- Replaces the startup configuration with the template startup configuration that ships with the system.
- Erases all postinstallation configuration data.
- Deletes all subscriber and custom prompts.

When the system is clean, the administrator sees a message that the system will reload, and the system begins to reload. When the reload is complete, the system prompts the administrator to go through the postinstallation process.

When logging in to the graphical user interface (GUI), the administrator has the option to run the initialization wizard.

Examples

The following example illustrates restoring the system to factory defaults.

Step 1 se-10-0-0-0# **offline**

This command puts the system into offline mode.

Step 2 (offline)# **restore factory default**

This operation will cause all the configuration and data on the system to be erased. This operation is not reversible. Do you wish to continue? (n)

Step 3 Do one of the following:

- Enter **n** if you want to retain the system configuration and data.

The operation is cancelled, but the system remains in offline mode. To return to online mode, enter **continue**.

- Enter **y** if you want to erase the system configuration and data.

When the system is clean, a message appears indicating that the system will start to reload. When the reload is complete, a prompt appears to start the postinstallation process.

Related Commands

Command	Description
continue	Returns to the Cisco Unity Express online mode.
offline	Enters the Cisco Unity Express offline mode.

restriction create

To create a restriction table, use the **restriction create** command in Cisco Unity Express configuration mode.

restriction *table-name* **create**

Syntax Description	<i>table-name</i>	Restriction table that you want to create.
---------------------------	-------------------	--

Command Default This command has no default value.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **restriction create** command in Cisco Unity Express configuration mode to define a new restriction table

Examples The following example creates a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction create
```

Related Commands	Command	Description
	restriction delete	Deletes a restriction table.
	restriction dial-string	Specifies the restricted number dial pattern.
	restriction max-digits	Specifies the maximum number of digits in a restricted number.
	restriction min-digits	Specifies the minimum number of digits in a restricted number.
	show restriction-table	Displays information about the specified restriction tables.

restriction delete

To delete a restriction table, use the **restriction delete** command in Cisco Unity Express configuration mode.

restriction *table-name* **delete**

Syntax Description	<i>table-name</i>	Restriction table that you want to delete.
---------------------------	-------------------	--

Command Default	This command has no default value.	
------------------------	------------------------------------	--

Command Modes	Cisco Unity Express configuration	
----------------------	-----------------------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	Use the restriction delete command in Cisco Unity Express configuration mode to delete a restriction table.	
-------------------------	--	--

Examples	The following example deletes a restriction table called fax-restriction.	
-----------------	---	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction delete
```

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	show restriction-table	Displays information about the specified restriction tables.

restriction dial-string

To specify a dial string for a restriction table, use the **restriction dial-string** command in Cisco Unity Express configuration mode. To delete the dial string from the table, use the **no** form of this command.

```
restriction table-name dial-string preference preference-number pattern pattern-string
{allowed | disallowed} [insert]
```

```
no restriction table-name dial-string preference preference-number
```

Syntax Description		
<i>table-name</i>		Restriction table for which a dial string is being specified.
preference <i>preference-number</i>		Order of this string in the restriction table. The system searches the strings in order of preference, starting with 1. Valid values are 1 to 10.
pattern <i>pattern-string</i>		Call pattern to be matched. Valid characters are digits 0 to 9, asterisk (*), or dot (.). The table accepts duplicate call patterns.
allowed		Permits phone numbers with this pattern to be assigned to message notification devices.
disallowed		Prevents phone numbers with this pattern to be assigned to message notification devices.
insert		Inserts the dial string in the proper place in the table.

Command Default

The default preference number is 1.
The default pattern is *.
The default pattern is allowed.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines

The asterisk (*) in the pattern allows matches of zero or more digits. The dot (.) acts as a placeholder for exactly one digit. Include external and long-distance access codes in the dial pattern.

The default pattern * has preference 1 by default. The administrator can modify this setting.

When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that the number has the allowed number of digits. If the number does not have the allowed number of digits, the subscriber receives an error message.

If the number of digits is acceptable, the system checks the number against the dial patterns in the restriction table, starting with the first pattern (preference 1). If the number does not match the first pattern, the system checks the next pattern in the table (preference 2), and so forth until a match is found. If a match is found, the system either permits or restricts the call as specified in the dial string. If no match is found, the subscriber receives an error message. The default pattern * cannot be deleted or modified.

The default pattern * is **allowed** by default. The administrator can modify this setting.

The system displays an error message if the preference number is less than 1 or greater than 10.

If **insert** is not used, the system replaces any existing dial string with the given preference with this new dial string. The system displays an error message if no existing dial string has the given preference.

Examples

The following example creates a dial-string allowing calls to area code 222.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restrict dial-string preference 2 pattern
91222..... allowed insert
```

Related Commands

Command	Description
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.

restriction max-digits

To specify the maximum number of digits for a specified restriction table, use the **restriction max-digits** command in the Cisco Unity Express configuration mode. To use the default value, use the **no** form of this command.

restriction *table-name* **max-digits** *maximum-digits*

no restriction *table-name* **max-digits** *maximum-digits*

Syntax Description		
	<i>table-name</i>	Restriction table for which the maximum number of digits is being specified.
	<i>maximum-digits</i>	Specifies the maximum number of digits for a notification phone number. Valid values are 1 to 30. The default is 1.

Command Default The maximum number of digits is 1.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines This value applies only to phone devices and numeric pagers.

Maximum number of digits applies to phone numbers that a subscriber assigns to devices that will receive message notifications. When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that the number has the allowed number of digits. If the number does not have the allowed number of digits, the subscriber receives an error message.

Examples The following example sets the maximum number of digits in a phone number for message notification to 12 in a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction msg-notification max-digits 12
```

Related Commands	Command	Description
	restriction min-digits	Specifies the maximum number of digits in a restricted number.
	show restriction-table	Displays information about the specified restriction tables.

restriction min-digits

To specify the minimum number of digits for a specified restriction table, use the **restriction min-digits** command in the Cisco Unity Express configuration mode. To use the default value, use the **no** form of this command.

restriction *table-name* **min-digits** *minimum-digits*

no restriction *table-name* **min-digits** *minimum-digits*

Syntax Description

<i>table-name</i>	Restriction table for which the minimum number of digits is being specified.
<i>minimum-digits</i>	Specifies the minimum number of digits for a notification phone number. Valid values are 1 to 30. The default is 1.

Command Default

The minimum number of digits is 1.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was modified to allow you to specify which restriction table to configure.

Usage Guidelines

This value applies only to phone devices and numeric pagers.

The minimum number of digits applies to phone numbers that a subscriber assigns to devices that will receive message notifications. When a subscriber tries to set up or change a phone number assigned to a device, the system verifies that the number has the allowed number of digits. If the number does not have the allowed number of digits, the subscriber receives an error message.

Examples

The following example sets the minimum number of digits in a phone number for message notification to 6 in a restriction table called fax-restriction.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# restriction fax-restriction msg-notification min-digits 6
```

Related Commands

Command	Description
restriction max-digits	Specifies the maximum number of digits in a restricted number.
show restriction-table	Displays information about the specified restriction tables.

retries (aaa-authentication)

To specify the maximum number of times an AAA authentication request is retried before the authentication fails, use the **retries** command in Cisco Unity Express AAA authentication configuration mode. Use the **no** or **default** form of this command to restore the default setting.

retries *number*

no retries *number*

default retries *number*

Syntax Description	<i>number</i>	The maximum number of times an AAA authentication request is retried before the authentication fails. The default is 3 retries. The range is 0-9.				
Command Default	3 retries					
Command Modes	Cisco Unity Express AAA authentication configuration (aaa-authentication)					
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>7.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	7.0	This command was introduced.	
Cisco Unity Express Version	Modification					
7.0	This command was introduced.					
Usage Guidelines	<p>When the configured number of retries is exhausted, AAA attempts to contact the next server configured until the list of servers is exhausted or a server responds, whichever comes first.</p> <p>The number of retries does not include the initial attempt.</p> <p>Use the default form of this command to set the number of retries to 3.</p>					
Examples	<p>The following example sets the number of AAA authentication retries to 10:</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# aaa authentication server remote se-10-0-0-0(aaa-authentication)# retries 10</pre>					
Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>aaa authentication server remote</td> <td>Enters aaa-authentication submode and configures the AAA authentication server.</td> </tr> </tbody> </table>	Command	Description	aaa authentication server remote	Enters aaa-authentication submode and configures the AAA authentication server.	
Command	Description					
aaa authentication server remote	Enters aaa-authentication submode and configures the AAA authentication server.					

retries (aaa-accounting)

To specify the maximum number of times an AAA accounting request is retried before the accounting request fails, use the **retries** command in Cisco Unity Express AAA accounting configuration mode. Use the **no** or **default** form of this command to restore the default setting.

retries *number*

no retries *number*

default retries *number*

Syntax Description	<i>number</i>	The maximum number of times an AAA accounting request is retried before the accounting request fails. The default is 3 retries. The range is 0-9.
---------------------------	---------------	---

Command Default	3 retries
------------------------	-----------

Command Modes	Cisco Unity Express AAA accounting configuration (aaa-accounting)
----------------------	---

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines	When the configured number of retries is exhausted, AAA attempts to contact the next server configured until the list of servers is exhausted or a server responds, whichever comes first.
	The number of retries does not include the initial attempt.
	Use the default form of this command to set the number of retries to 3.

Examples	The following example sets the number of AAA accounting retries to 10:
-----------------	--

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

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.



S: script (ccn application) to show ccn trigger sip

Last Updated: June 23, 2011

[script \(ccn application\)](#)
[secure-messaging incoming \(mailbox\)](#)
[secure-messaging outgoing \(mailbox\)](#)
[security password](#)
[security password history depth](#)
[security password lockout enable](#)
[security password lockout policy](#)
[security password perm-lock max-attempts](#)
[security password temp-lock duration](#)
[security password temp-lock init-attempts](#)
[security password temp-lock max-attempts](#)
[security pin](#)
[security pin history depth](#)
[security pin lockout enable](#)
[security pin lockout policy](#)
[security pin perm-lock max-attempts](#)
[security pin temp-lock duration](#)
[security pin temp-lock init-attempts](#)
[security pin temp-lock max-attempts](#)
[security ssh](#)
[security ssh knownhost](#)
[service imap](#)
[service phone-authentication](#)
[service voiceview](#)
[service voiceview session terminate](#)

session idletimeout (IMAP)
session idletimeout (VoiceView Express)
session security
show aaa accounting event
show aaa accounting service
show aaa policy
show backup
show backup history
show backup schedule detail job
show backup schedules
show backup server
show calendar biz-schedule
show calendar holiday
show call-agent
show ccn call application
show ccn call fax incoming
show ccn call route
show ccn document–IVR Only
show ccn engine
show ccn prompts
show ccn reporting historical
show ccn scripts
show ccn sip subscription mwi
show ccn status ccm-manager
show ccn subsystem edbs dbprofile–IVR Only
show ccn subsystem email–IVR Only
show ccn subsystem fax–IVR Only
show ccn subsystem jtapi
show ccn subsystem sip
show ccn trigger all
show ccn trigger http–IVR Only
show ccn trigger jtapi
show ccn trigger sip

script (ccn application)

To specify the script used by the application, use the **script** command in Cisco Unity Express configuration application mode. To delete the script, use the **no** form of this command.

```
script script-name [description "description"]
```

```
no script script-name
```

Syntax Description

script-name	Specifies the script used by the application.
description "description"	(Optional) Specifies an optional description of the script, which must be written in double quotes. The default value for the description is the name of the script.

Defaults

The default description is the name of the script.

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 assigns the aa.aef file as the script for the Auto Attendant application.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# ccn application autoattendant
se-10-0-0-0(config-application)# script aa.aef description "AutoAttendant Script"
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.

secure-messaging incoming (mailbox)

To label all the incoming messages received by the mailbox as secure, use the **secure-messaging** command in Cisco Unity Express mailbox configuration mode. To remove the security setting from the mailbox, use the **no** form of this command.

secure-messaging incoming

no secure-messaging incoming

Syntax Description

incoming	Specifies that all incoming messages received by this mailbox are labelled secure.
-----------------	--

Command Default

Secure messaging is not enabled.

Command Modes

Cisco Unity Express mailbox configuration

Command History

Cisco Unity Express Release	Modification
8.6	This command was introduced.

Usage Guidelines

If secure messaging is enabled, subscribers accessing Cisco Unity Express using the Telephony User Interface (TUI) or VoiceView Express interface can view, forward or send messages marked Secure. Subscribers accessing Cisco Unity Express using the web voicemail interface or through Cisco Unified Personal Communicator must use a secure HTTPS session to view, forward or send messages marked Secure.

Examples

The following example configures the mailbox to support secure messaging of incoming messages:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemailbox owner johnsmith
se-10-0-0-0(config-mailbox)# secure-messaging incoming
```

Related Commands

Command	Description
secure-messaging outgoing (mailbox)	Configures secure messaging settings for all outgoing messages sent from a mailbox.
voicemail secure-messaging outgoing	Configures the global security properties for all outgoing messages.
voicemail secure-messaging (location)	Labels all the incoming messages to a network location as secure.

secure-messaging outgoing (mailbox)

To configure secure messaging settings for all outgoing messages sent from a mailbox, use the **secure-messaging outgoing** command in Cisco Unity Express mailbox configuration mode. To return the mailbox to the default value, use the **no** form of this command.

```
secure-message outgoing {always | ask | never | private}
```

```
no secure-message outgoing {always | ask | never | private}
```

Syntax Description

always	All outgoing messages are always marked secure.
ask	Messages are marked secure only when users mark them secure.
never	Messages are never marked secure.
private	Messages are marked secure only when users mark them private.

Command Default

The default is the global secure messaging setting configured using the **voicemail secure-messaging outgoing** command in configuration mode.

Command Modes

Cisco Unity Express mailbox configuration

Command History

Cisco Unity Express Release	Modification
8.6	This command was introduced.

Usage Guidelines

If secure messaging is enabled, subscribers accessing Cisco Unity Express using the Telephony User Interface (TUI) or VoiceView Express interface can view, forward or send messages marked secure. Subscribers accessing Cisco Unity Express using the web voicemail interface or through Cisco Unified Personal Communicator must use a secure HTTPS session to view, forward or send messages marked secure.

Examples

The following example configures the user mailbox so that all outgoing messages are always marked secure:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user8
se-10-0-0-0(config-mailbox)# secure-messaging outgoing always
```

Related Commands

Command	Description
secure-messaging incoming (mailbox)	Labels all the incoming messages received by the mailbox as secure.

Command	Description
voicemail secure-messaging outgoing	Configures the global security properties for all outgoing messages.
voicemail secure-messaging (location)	Labels all the incoming messages to a network location as secure.

security password

To configure system-wide password length and expiry time, use the **security password** command in Cisco Unity Express configuration mode. To reset the password length and expiry time to system defaults, use the **no** or **default** form of this command.

```
security password {length min password-length | expiry days password-days}
```

```
no security password {length min | expiry}
```

```
default security password length min
```

Syntax Description	length min <i>password-length</i>	expiry days <i>password-days</i>
	Minimum length of all subscribers' passwords. Valid values range from 3 to 32.	Maximum number of days for which subscribers' passwords are valid. Valid values range from 3 to 365. If this value is not configured, passwords will not expire.

Defaults
 Password length = 3
 Passwords do not expire.

Command Modes
 Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines

To control security on your system, the password length and expiry times can be configured on a system-wide basis.

- The administrator can configure the length to a value greater than or equal to 3 alphanumeric characters. This is a system-wide value, so all subscribers must have passwords of at least that many characters.
- The password length does not have to equal the PIN length.
- The expiry time is the time, in days, for which the password is valid. When this time is reached, the subscriber must enter a new password.
- If the expiry time is not configured, passwords do not expire.
- The password expiry time does not have to equal the PIN expiry time.
- Additionally, the GUI **Defaults > User** menu option configures these settings.

Examples

The following example sets the password length to 6 characters and the password expiry time to 60 days.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password length min 6
se-10-0-0-0(config)# security password expiry days 60
se-10-0-0-0(config)# end
```

The following example resets the password length to the system default:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# default security password length min
se-10-0-0-0(config)# end
```

The following example resets the password expiry time to the system default:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no security password expiry
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
security pin	Configures PIN length and expiry time for the local system.
show security detail	Displays the password and PIN settings.

security password history depth

To force all users to choose a password that is not in their password history list, use the **security password history depth** command in Cisco Unity Express configuration mode. Use the **no** form of this command to enable users to choose any password.

security password history depth *depth*

no security password history depth *depth*

Syntax Description	<i>depth</i>	Specifies how many of a user's previous passwords are compared to the new password. Range is from 1 to 10.
---------------------------	--------------	--

Command Default	The system does not track users' password history. The default value for history depth is 1.
------------------------	--

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	Use the security password history depth command in Cisco Unity Express configuration mode to force all users to choose a password that is not in their password history lists. You must also specify how many of the user's previous password are compared to the new password. This value is the "depth" and is an integer ranging from 1 to 10.
-------------------------	--

Examples	The following example sets the password history depth to 6:
-----------------	---

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password history depth 6
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.

security password lockout enable

To enable the password lockout feature, use the **security password lockout enable** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable the password lockout feature.

security password lockout enable

no security password lockout enable

Syntax Description This command has no arguments or keywords.

Command Default The password lockout feature is disabled.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **security password lockout enable** command in Cisco Unity Express configuration mode to enable the password lockout feature. The **no** form of this command disables the password lockout. When lockout is disabled, the **show security details** command does not display any information related to the password lockout feature.

Examples The following example enables the password lockout feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password lockout enable
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security password lockout policy

To specify whether subscribers are locked out permanently, or temporarily, when the maximum number of failed login attempts is reached, use the **security password lockout policy** command in Cisco Unity Express configuration mode. Use the **no** form of this command to return to the default setting and set the Lockout policy to “temporary.”

```
security password lockout policy {perm-lock | temp-lock}
```

```
no security password lockout policy {perm-lock | temp-lock}
```

Syntax Description

perm-lock	Subscribers are permanently locked out when the maximum number of failed login attempts is reached.
temp-lock	Subscribers are temporarily locked out when the maximum number of failed login attempts is reached.

Command Default

- Lockout policy is set to **temp-lock**.
- Lockout duration is set 5 minutes.
- Number of initial login attempts is set to 3.
- Number of maximum login attempts is set to 24.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **security password lockout policy** command in Cisco Unity Express configuration mode to specify whether subscribers are locked out permanently, or temporarily, when the maximum number of failed login attempts is reached. After an account is locked, only the administrator can unlock it and reset the password.

When you change the policy from temporary to permanent, all the configuration values for the temporary locks are reset. The **no** version of this command resets the maximum attempt value for a permanent lock and sets the policy to **temp-lock**.

Examples

The following example sets the lockout policy to **perm-lock**:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password lockout policy perm-lock
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security password perm-lock max-attempts

To configure the maximum number of failed attempts that will trigger a permanent lockout, use the **security password perm-lock max-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the maximum number of failed attempts.

security password perm-lock max-attempts *no_of_max_attempts*

no security password perm-lock max-attempts *no_of_max_attempts*

Syntax Description	<i>no_of_max_attempts</i>	Maximum number of failed attempts allowed before a permanent lockout. Range is from 1 to 200.
--------------------	---------------------------	---

Command Default The maximum number of failed attempts is set to 24.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **perm-lock**.

Use the **security password perm-lock max-attempts** command in Cisco Unity Express configuration mode to configure the maximum number of failed attempts allowed before an account is permanently locked. After an account is locked, only the administrator can unlock it and reset the password.

The valid range is from 1 to 200.

Examples The following example sets the maximum number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password perm-lock max-attempts 6
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security password temp-lock duration

To configure the initial lockout duration for a temporary lockout, use the **security password temp-lock duration** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the initial lockout duration.

security password temp-lock duration *duration*

no security password temp-lock duration *duration*

Syntax Description	<i>duration</i>	Initial lockout duration (in minutes) for a temporary lockout. The valid range is from 1 to infinity.
---------------------------	-----------------	---

Command Default The initial lockout duration is set to 5 minutes.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **temp-lock**.

Use the **security password temp-lock duration** command in Cisco Unity Express configuration mode to configure the initial lockout duration for a temporarily lockout. After an account is locked, only the administrator can unlock it and reset the password.

The valid range is 1 to infinity.

Examples The following example sets the initial lockout duration to 10:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password temp-lock duration 10
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security password temp-lock init-attempts

To configure the initial number of failed attempts that will trigger a temporary lockout, use the **security password temp-lock init-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the initial number of failed attempts.

security password temp-lock init-attempts *no_of_init_attempts*

no security password temp-lock init-attempts *no_of_init_attempts*

Syntax Description	<i>no_of_init_attempts</i>	Initial number of failed attempts allowed before a temporary lockout. Range is between 1 and the value of <i>max_attempts</i> .
---------------------------	----------------------------	---

Command Default The initial number of failed attempts is set to 3.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **temp-lock**.

Use the **security password temp-lock init-attempts** command in Cisco Unity Express configuration mode to configure the initial number of failed attempts before an account is temporarily locked. The temporary lockout lasts for the amount specified by the **security password temp-lock duration** command.

The number of initial attempts should be less than the number of maximum attempts specified by the command. The valid range is between 1 and the value of *max_attempts*.

Examples The following example sets the initial number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password temp-lock init-attempts 6
```

Related Commands	Command	Description
	security password temp-lock duration	Configures the initial lockout duration for a temporary lockout.
	security password temp-lock max-attempts	Configures the maximum number of failed attempts that will trigger a temporary lockout

Command	Description
show security detail	Displays the system-wide password and PIN settings.
show user detail username	Displays the PIN and password login status for a specific subscriber.

security password temp-lock max-attempts

To configure the maximum number of failed attempts that will trigger a temporary lockout, use the **security password temp-lock max-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the maximum number of failed attempts.

security password temp-lock max-attempts *no_of_max_attempts*

no security password temp-lock max-attempts *no_of_max_attempts*

Syntax Description	<i>no_of_max_attempts</i>	Maximum number of failed attempts allowed before a temporary lockout. Range is from the number set for initial attempts to 200.
---------------------------	---------------------------	---

Command Default The maximum number of failed attempts is set to 24.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **temp-lock**.

Use the **security password temp-lock max-attempts** command in Cisco Unity Express configuration mode to configure the maximum number of failed attempts allowed before an account is temporarily locked. After an account is locked, only the administrator can unlock it and reset the password.

The valid range is from the number set for initial attempts to 200.

Examples The following example sets the maximum number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security password temp-lock max-attempts 6
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin

To configure system-wide personal identification number (PIN) length and expiry time, use the **security pin** command in Cisco Unity Express configuration mode. To reset the PIN length and expiry time to system defaults, use the **no** or **default** form of this command.

```
security pin {length min pin-length | expiry days pin-days}
```

```
no security pin {length min | expiry}
```

```
default security pin length min
```

Syntax Description	length min <i>pin-length</i>	expiry days <i>pin-days</i>
	Minimum length of all subscribers' PINs. Valid values range from 3 to 16.	Maximum number of days for which subscribers' PINs are valid. Valid values range from 3 to 365. If this value is not configured, PINs will not expire.

Defaults

PIN length = 3
PINs do not expire.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

To control security on your system, the PIN length and expiry times can be configured on a system-wide basis.

- The administrator can configure the length to a value greater than or equal to 3 alphanumeric characters. This is a system-wide value, so all subscribers must have PINs of at least that many characters.
- The PIN length does not have to equal the password length.
- The expiry time is the time, in days, for which the PIN is valid. When this time is reached, the subscriber must enter a new PIN.
- If the expiry time is not configured, PINs do not expire.
- The PIN expiry time does not have to equal the password expiry time.
- Additionally, the GUI **Defaults > User** menu option configures these settings.

Examples

The following example sets the PIN length to 5 characters and the PIN expiry time to 45 days.

```
se-10-0-0-0# config t
```

```

se-10-0-0-0(config)# security pin length min 5
se-10-0-0-0(config)# security pin expiry days 45
se-10-0-0-0(config)# end

```

The following example resets the PIN length to the system default:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# default security pin length min
se-10-0-0-0(config)# end

```

The following example resets the PIN expiry time to the system default:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# no security pin expiry days
se-10-0-0-0(config)# end

```

Related Commands

Command	Description
security password	Configures password length and expiry time for the local system.
show security detail	Displays the password and PIN settings.

security pin history depth

To force all users to choose a PIN that is not in their PIN history lists, use the **security pin history depth** command in Cisco Unity Express configuration mode. Use the **no** form of this command to enable users to choose any PIN.

security pin history depth *depth*

no security pin history depth *depth*

Syntax Description	<i>depth</i>	Specifies how many of a user's previous PINs are compared to the new PIN. Range is from 1 to 10.
---------------------------	--------------	--

Command Default	The system does not track users' PIN history. The default value for history depth is 1.	
------------------------	---	--

Command Modes	Cisco Unity Express configuration	
----------------------	-----------------------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	Use the security pin history depth command in Cisco Unity Express configuration mode to force all users to choose a PIN that is not in their PIN history lists. You must also specify how many of the user's previous PINs are compared to the new PIN. This value is the "depth" and is an integer ranging from 1 to 10.
-------------------------	--

Examples	The following example sets the PIN history depth to 6:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin history depth 6
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin lockout enable

To enable the PIN lockout feature, use the **security pin lockout enable** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable the PIN lockout feature.

security pin lockout enable

no security pin lockout enable

Syntax Description This command has no arguments or keywords.

Command Default The PIN lockout feature is disabled.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **security pin lockout enable** command in Cisco Unity Express configuration mode to enable the PIN lockout feature. The **no** form of this command disables the PIN lockout. When lockout is disabled, the **show security details** command does not display any information related to the PIN lockout feature.

Examples The following example enables the PIN lockout feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin lockout enable
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin lockout policy

To specify whether subscribers are locked out permanently, or temporary, when the maximum number of failed login attempts is reached, use the **security pin lockout policy** command in Cisco Unity Express configuration mode. Use the **no** form of this command to return to the default setting and set the lockout policy to “temporary.”

security pin lockout policy {perm-lock | temp-lock}

no security pin lockout policy {perm-lock | temp-lock}

Syntax Description

perm-lock	Subscribers are permanently locked out when the maximum number of failed login attempts is reached.
temp-lock	Subscribers are temporarily locked out when the maximum number of failed login attempts is reached.

Command Default

- Lockout policy is set to **temp-lock**.
- Lockout duration is set 5 minutes.
- Number of initial login attempts is set to 3.
- Number of maximum login attempts is set to 24.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **security pin lockout policy** command in Cisco Unity Express configuration mode to specify whether subscribers are locked out permanently, or temporary, when the maximum number of failed login attempts is reached. After an account is locked, only the administrator can unlock it and reset the PIN.

When you change the policy from temporary to permanent, all the configuration values for the temporary locks are reset. The **no** version of this command resets the maximum attempt value for a permanent lock and sets the policy to **temp-lock**.

Examples

The following example sets the lockout policy to **perm-lock**:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin lockout policy perm-lock
```

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin perm-lock max-attempts

To configure the maximum number of failed attempts that will trigger a permanent lockout, use the **security pin perm-lock max-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the maximum number of failed attempts.

security pin perm-lock max-attempts *no_of_max_attempts*

no security pin perm-lock max-attempts *no_of_max_attempts*

Syntax Description

<i>no_of_max_attempts</i>	Maximum number of failed attempts allowed before a permanent lockout. Range is from 1 to 200.
---------------------------	---

Command Default

The maximum number of failed attempts is set to 24.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **perm-lock**.

Use the **security pin perm-lock max-attempts** command in Cisco Unity Express configuration mode to configure the maximum number of failed attempts allowed before an account is permanently locked. After an account is locked, only the administrator can unlock it and reset the PIN.

The valid range is 1 to 200.

Examples

The following example sets the maximum number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin perm-lock max-attempts 6
```

Related Commands

Command	Description
show security detail	Displays the system-wide password and PIN settings.
show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin temp-lock duration

To configure the initial lockout duration for a temporary lockout, use the **security pin temp-lock duration** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the initial lockout duration.

security pin temp-lock duration *duration*

no security pin temp-lock duration *duration*

Syntax Description	<i>duration</i>	Initial lockout duration (in minutes) for a temporary lockout. The valid range is from 1 to infinity.
---------------------------	-----------------	---

Command Default	The initial lockout duration is set to 5.
------------------------	---

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	<p>To use this command, the lockout policy must be set to temp-lock.</p> <p>Use the security pin temp-lock duration command in Cisco Unity Express configuration mode to configure the initial lockout duration for a temporarily lockout. After an account is locked, only the administrator can unlock it and reset the PIN.</p> <p>The valid range is 1 to infinity.</p>
-------------------------	---

Examples	<p>The following example sets the initial lockout duration to 10:</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# security pin temp-lock duration 10</pre>
-----------------	--

Related Commands	Command	Description
	show security detail	Displays the system-wide password and PIN settings.
	show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin temp-lock init-attempts

To configure the initial number of failed attempts that will trigger a temporary lockout, use the **security pin temp-lock init-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the initial number of failed attempts.

security pin temp-lock init-attempts *no_of_init_attempts*

no security pin temp-lock init-attempts *no_of_init_attempts*

Syntax Description	<i>no_of_init_attempts</i>	Initial number of failed attempts allowed before a temporary lockout. Range is between 1 and the number set for maximum attempts.
---------------------------	----------------------------	---

Command Default The initial number of failed attempts is set to 3.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines To use this command, the lockout policy must be set to **temp-lock**.

Use the **security pin temp-lock init-attempts** command in Cisco Unity Express configuration mode to configure the initial number of failed attempts before an account is temporarily locked. The temporary lockout lasts for the amount specified by the **security pin temp-lock duration** command.

The number of initial attempts should be less than the number of maximum attempts as set by the command.

The valid range is between 1 and the number set for maximum attempts.

Examples The following example sets the initial number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin temp-lock init-attempts 6
```

Related Commands	Command	Description
	security pin temp-lock duration	Configures the initial lockout duration for a temporary lockout.
	security pin temp-lock max-attempts	Configures the maximum number of failed attempts that will trigger a temporary lockout

Command	Description
show security detail	Displays the system-wide password and PIN settings.
show user detail username	Displays the PIN and password login status for a specific subscriber.

security pin temp-lock max-attempts

To configure the maximum number of failed attempts that will trigger a temporary lockout, use the **security pin temp-lock max-attempts** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the maximum number of failed attempts.

security pin temp-lock max-attempts *no_of_max_attempts*

no security pin temp-lock max-attempts *no_of_max_attempts*

Syntax Description

<i>no_of_max_attempts</i>	Maximum number of failed attempts allowed before a temporary lockout. Range is from the number set for initial attempts to 200.
---------------------------	---

Command Default

Maximum number of failed attempts is set to 24.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

To use this command, the lockout policy must be set to **temp-lock**.

Use the **security pin temp-lock max-attempts** command in Cisco Unity Express configuration mode to configure the maximum number of failed attempts allowed before an account is temporarily locked. After an account is locked, only the administrator can unlock it and reset the PIN.

The valid range is from the number set for initial attempts to 200.

Examples

The following example sets the maximum number of failed attempts to 6:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security pin temp-lock max-attempts 6
```

Related Commands

Command	Description
show security detail	Displays the system-wide password and PIN settings.
show user detail username	Displays the PIN and password login status for a specific subscriber.

security ssh

To configure system-wide SSH length and expiry time, use the **security ssh** command in Cisco Unity Express configuration mode. To reset the PIN length and expiry time to system defaults, use the **no** or **default** form of this command.

```
security ssh {length min ssh-length | expiry days ssh-days}
```

```
no security ssh {length min | expiry }
```

```
default security ssh length min
```

Syntax Description	length min <i>ssh-length</i>	Minimum length of all subscribers' SSHs. Valid values range from 3 to 16.
	expiry days <i>ssh-days</i>	Maximum number of days for which subscribers' PINs are valid. Valid values range from 3 to 365. If this value is not configured, SSHs will not expire.

Defaults
SSH length = 3
SSHs do not expire.

Command Modes
Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines
To control security on your system, the SSH length and expiry times can be configured on a system-wide basis.

- The administrator can configure the length to a value greater than or equal to 3 alphanumeric characters. This is a system-wide value, so all subscribers must have SSHs of at least that many characters.
- The SSH length does not have to equal the password length.
- The expiry time is the time, in days, for which the SSH is valid. When this time is reached, the subscriber must enter a new SSH.
- If the expiry time is not configured, SSHs do not expire.
- The SSH expiry time does not have to equal the password expiry time.
- Additionally, the GUI **Defaults > User** menu option configures these settings.

Examples
The following example sets the SSH length to 5 characters and the SSH expiry time to 45 days.

```
se-10-0-0-0# config t
```

```

se-10-0-0-0(config)# security ssh length min 5
se-10-0-0-0(config)# security ssh expiry days 45
se-10-0-0-0(config)# end

```

The following example resets the SSH length to the system default:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# default security ssh length min
se-10-0-0-0(config)# end

```

The following example resets the SSH expiry time to the system default:

```

se-10-0-0-0# config t
se-10-0-0-0(config)# no security ssh expiry days
se-10-0-0-0(config)# end

```

Related Commands

Command	Description
security password	Configures password length and expiry time for the local system.
show security detail	Displays the password and SSH settings.

security ssh knownhost

To configure the MD5 (Message-Digest algorithm 5) fingerprint and type of host key for the SSH (Secure Shell) server's host key, use the **security ssh** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the MD5 fingerprint.

```
security ssh knownhost host {ssh-rsa | ssh-dsa} fingerprint-string
```

```
no security ssh knownhost host {ssh-rsa | ssh-dsa} fingerprint-string
```

Syntax Description

<i>host</i>	Hostname or IP address of the SSH server.
<i>ssh-rsa</i>	The RSA encryption algorithm was used to create this fingerprint for an SSH server's host key.
<i>ssh-dsa</i>	The DSA (Digital Signature Algorithm) was used to create this fingerprint for an SSH server's host key.
<i>fingerprint-string</i>	MD5 fingerprint string.

Command Default

No server authentication performed for the specified host.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **security ssh** command in Cisco Unity Express configuration mode to configure the MD5 fingerprint of the SSH server's host key. When the fingerprint is configured, the local SSH/SFTP client performs server authentication by comparing the configured fingerprint with the one returned from the SSH server.

The *host* argument can be either a hostname or a IP address.

If the fingerprint is not configured, no server authentication is performed. The fingerprint will not be saved in the startup configuration when you use the **write** command.

Examples

The following example specifies the MD5 fingerprint of a SSH-RSA server's host key:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# security ssh knownhost server.cisco.com ssh-rsa
a5:3a:12:6d:e9:48:a3:34:be:8f:ee:50:30:e5:e6:c3
```

Related Commands	Command	Description
	backup server authenticate	Retrieves the fingerprint of the backup server's host key.
	show security ssh known-hosts	Displays a list of configured SSH (Secure Shell) servers and their fingerprints.

service imap

To enter the IMAP configuration mode for configuring IMAP parameters, use the **service imap** command in Cisco Unity Express configuration mode. To set all IMAP parameters to their default values and to disable the IMAP feature, use the **no** form of this command.

service imap

no service imap

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

Examples The following example enters the IMAP configuration mode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-imap)#
```

Related Commands	Command	Description
	enable (IMAP)	Enables the IMAP feature.
	groupname	Configures voice-mail group parameters.
	maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
	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.

service phone-authentication

To enter the VoiceView Express authentication mode, use the **service phone-authentication** command in Cisco Unity Express configuration mode. To disable service phone authentication, use the **no** form of this command.

service phone-authentication

no service phone-authentication

Syntax Description This command has no arguments or keywords.

Defaults This command has no default value.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

Examples The following example enters VoiceView Express authentication mode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service phone-authentication
se-10-0-0-0(config-phone-authentication)#
```

Related Commands	Command	Description
	enable (VoiceView Express)	Enables the VoiceView Express feature.
	fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
	service voiceview	Enters VoiceView Express configuration mode.
	service voiceview session terminate	Terminates an active VoiceView Express session.
	session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
	show phone-authentication configuration	Displays the VoiceView Express phone authentication parameters.

Command	Description
show voiceview configuration	Displays all VoiceView Express configuration parameters.
show voiceview sessions	Displays all active VoiceView Express sessions.

service voiceview

To enter VoiceView Express configuration mode for configuring VoiceView Express parameters, use the **service voiceview** command in Cisco Unity Express configuration mode. To set all VoiceView Express parameters to their default values, use the **no** form of this command.

service voiceview

no service voiceview

Syntax Description

This command has no arguments or keywords.

Defaults

VoiceView Express parameters are set to their default values.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

Examples

The following example enters VoiceView Express configuration mode:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# service voiceview
se-10-0-0-0(config-voiceview)#
```

Related Commands

Command	Description
enable (VoiceView Express)	Enables the VoiceView Express feature.
fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
service phone-authentication	Enters VoiceView Express phone authentication mode.
service voiceview session terminate	Terminates an active VoiceView Express session.
session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
show phone-authentication configuration	Displays the VoiceView Express phone authentication parameters.

Command	Description
show voiceview configuration	Displays all VoiceView Express configuration parameters.
show voiceview sessions	Displays all active VoiceView Express sessions.

service voiceview session terminate

To terminate an active VoiceView Express session, use the **service voiceview session terminate** command in Cisco Unity Express EXEC mode.

service voiceview session terminate mailbox *mailbox-id*

Syntax Description

mailbox *mailbox-id* ID of the mailbox that has the active VoiceView Express session.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

The system displays an error message if no VoiceView Express session is active for the mailbox or if the mailbox ID is invalid.

.The command does not display any message indicating the session was terminated.

Examples

The following illustrates the **service voiceview session terminate** command:

```
se-10-0-0-0# service voiceview session terminate mailbox user1
se-10-0-0-0#
```

Related Commands

Command	Description
enable (VoiceView Express)	Enables the VoiceView Express feature.
fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
service phone-authentication	Enters VoiceView Express phone authentication mode.
service voiceview	Enters VoiceView Express configuration mode.
session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
show phone-authentication configuration	Displays the VoiceView Express phone authentication parameters.
show voiceview configuration	Displays all VoiceView Express configuration parameters.
show voiceview sessions	Displays all active VoiceView Express sessions.

session idletimeout (IMAP)

To set the inactivity timeout interval for IMAP sessions, use the **session idletimeout** command in IMAP configuration mode. To set the idletimeout to the default value, use the **no** or **default** form of this command.

session idletimeout *minutes*

no session idletimeout

default session idletimeout

Syntax Description	<i>minutes</i>	Number of minutes of inactivity for each IMAP session. Valid values are 30 to 120 minutes. The default value is 30 minutes.
---------------------------	----------------	---

Defaults Idle timeout is 30 minutes.

Command Modes IMAP configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.
Restart the IMAP server after changing any IMAP configuration parameters so that the new parameter values become active.

Examples The following example sets the IMAP session idletimeout value to 45 minutes:

```
se-10-0-0-0#config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-imap)# session idletimeout 45
```

Related Commands	Command	Description
	enable (IMAP)	Enables the IMAP feature.
	groupname	Configures voice-mail group parameters.
	maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
	service imap	Enters IMAP configuration mode.
	session security	Sets the IMAP client connection type.

Command	Description
show imap configuration	Displays all IMAP configuration parameters.
show imap sessions	Displays all active IMAP sessions.

session idletimeout (VoiceView Express)

To set the inactivity timeout interval for VoiceView Express sessions, use the **session idletimeout** command in VoiceView Express configuration mode. To set the idletimeout to the default, use the **no** or **default** form of this command.

session idletimeout *minutes*

no session idletimeout

default session idletimeout

Syntax Description	<i>minutes</i>	Number of minutes of inactivity for each VoiceView Express session. Valid values are 5 to 30 minutes. The default value is 5 minutes.
---------------------------	----------------	---

Defaults Idletimeout is 5 minutes.

Command Modes VoiceView Express configuration

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

After a VoiceView Express session is idle for the configured number of minutes, the system disconnects the session.

The timeout is a system-wide parameter and cannot be configured for individual subscribers or groups.

Examples The following example sets the VoiceView Express session idletimeout value to 15 minutes:

```
se-10-0-0-0#config t
se-10-0-0-0(config)# service voiceview
se-10-0-0-0(config-voiceview)# session idletimeout 15
```

Related Commands	Command	Description
	enable (VoiceView Express)	Enables the VoiceView Express feature.
	fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.

Command	Description
<code>service phone-authentication</code>	Enters VoiceView Express phone authentication mode.
<code>service voiceview</code>	Enters VoiceView Express configuration mode.
<code>service voiceview session terminate</code>	Terminates an active VoiceView Express session.
<code>show phone-authentication configuration</code>	Displays the VoiceView Express phone authentication parameters.
<code>show voiceview configuration</code>	Displays all VoiceView Express configuration parameters.
<code>show voiceview sessions</code>	Displays all active VoiceView Express sessions.

session security

To configure the type of permitted connections from IMAP clients, use the **session security** command in IMAP configuration mode. To set the connection type to none, use the **no** or **default** form of this command.

```
session security {ssl | none | mixed | keylabel labelname}
```

```
no session security
```

```
default session security
```

Syntax Description

ssl	Permits only SSL connections from IMAP clients.
none	Permits only non-SSL connections from IMAP clients.
mixed	Permits both SSL and non-SSL connections from IMAP clients.
keylabel <i>labelname</i>	Associates the certificate-key pair to the SSL connection.

Defaults

The default value is none.

Command Modes

IMAP configuration

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was implemented on the advanced integration module (AIM).
3.2	The keyLabel keyword was added.

Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

Before configuring the connection type, the system must have a default security certificate and private key. Use the **crypto key generate** command to generate the pair of values.

Beginning with Cisco Unity Express 3.2, the **keyLabel** keyword is used to associate a certificate-key pair to the IMAP functionality, which uses the certificate-key pair for SSL connections. This option should be set before configuring the SSL connection. If this option is not specified, then IMAP uses the default certificate-key.

Examples

The following example sets the IMAP connection type to SSL only:

```
se-10-0-0-0#config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-imap)# session security ssl
```

The following example associates a certificate-key pair to the SSL connection:

```
se-10-0-0-0#config t
se-10-0-0-0(config)# service imap
se-10-0-0-0(config-imap)# session security keyLabel alphakey.myoffice
se-10-0-0-0(config-imap)# session security ssl
```

Related Commands	Command	Description
	crypto key generate	Generates a certificate-private key pair.
	enable (IMAP)	Enables the IMAP feature.
	groupname	Configures voice-mail group parameters.
	maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
	service imap	Enters IMAP configuration mode.
	show imap configuration	Displays all IMAP configuration parameters.
	show imap sessions	Displays all active IMAP sessions.

show aaa accounting event

To show the AAA accounting events that are designated to be logged, use the **show aaa accounting event** command in Cisco Unity Express EXEC mode.

show aaa accounting event

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines [Table 7](#) describes the information displayed by this command:

Table 6 *show aaa accounting event Field Descriptions*

Field	Description
Event	Type of AAA accounting event.
State	Whether logging is enabled for this type of accounting event.
Description	Description of this type of accounting event.

Examples The following example shows the output for the **show aaa accounting event** command:

```
se-10-0-0-0# show aaa accounting event
Event      State      Description
login      Enabled    Log accounting events for successful login
logout     Enabled    Log accounting events for user logout
login-fail  Enabled    Log accounting events for failed login attempts
config-commands  Enabled    Log accounting events for any changes to configuration
exec-commands  Enabled    Log accounting events for execution of commands
system-startup  Enabled    Log accounting events for system startup
system-shutdown  Enabled    Log accounting events for system shutdown
imap       Disabled   Log accounting events for all imap events
```

Related Commands	Command	Description
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.

show aaa accounting service

To show the login information configured for the AAA accounting server, use the **show aaa accounting service** command in Cisco Unity Express EXEC mode.

show aaa accounting service

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines

Examples The following example shows the output for the **show aaa accounting service** command:

```
se-10-0-0-0# show aaa accounting service
Accounting: Enabled
Address: 192.168.12.22 Port: 1813 Credentials:
woYlTsq19jEOBNL8wg+WB0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGW
TYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP
Address: 192.168.12.57 Port: 1813 Credentials:
woYlTsq19jEOBNL8wg+WB0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGW
TYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP
Timeout: 5 (sec)
Retries: 3
```

[Table 7](#) describes the information displayed by this command:

Table 7 *show aaa accounting service Field Descriptions*

Field	Description
Accounting	Whether AAA accounting logging is enabled.
Address	IP address or DNS hostname of the AAA accounting server.
Port	Port number of the AAA accounting server.
Credentials	Credentials required to access the AAA accounting server.

Table 7 *show aaa accounting service Field Descriptions (continued)*

Field	Description
Timeout	Amount of time before an AAA authentication request is considered to be unanswered.
Retries	Maximum number of times an AAA authentication request is retried before the authentication fails.

Related Commands

Command	Description
aaa accounting server remote	Enters aaa-accounting submode and configures the AAA accounting server.

show aaa policy

To show the AAA policy settings, use the **show aaa policy** command in Cisco Unity Express EXEC mode.

show aaa policy

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines

Examples The following example shows the output for the **show aaa policy** command:

```
se-10-0-0-0# show aaa policy
AAA policy:system
 authentication-order local
 merge-attributes enable
 preferred-server remote
AAA server: remote
 retries 3
 timeout 5
```

[Table 8](#) describes the information displayed by this command:

Table 8 *show aaa accounting policy Field Descriptions*

Field	Description
authentication-order	The order in which to query the remote RADIUS authentication server and the local authentication database.
merge-attributes	Whether the user attributes that are retrieved from an AAA server will be merged with attributes for the same username found in the local user database.
preferred-server	Whether the preferred authentication server is local or remote.
AAA server	Whether the AAA authentication server is local or remote.

Table 8 *show aaa accounting policy Field Descriptions (continued)*

Field	Description
retries	Maximum number of times an AAA authentication request is retried before the authentication fails.
timeout	Amount of time before an AAA authentication request is considered to be unanswered.

Related Commands

Command	Description
show aaa accounting event	Enters aaa-policy submode and configures the system AAA policy.

show backup

To display information about the server that is used to store backup files, use the **show backup** command in Cisco Unity Express EXEC mode.

show backup

Syntax Description This command has no arguments or keywords.

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 This command displays the FTP server URL, the subscriber account on the FTP server, and the number of backup file revisions that are to be stored on the server.

Examples The following is sample output from the **show backup** command:

```
se-10-0-0-0# show backup

Server URL:                               ftp://10.12.0.1/ftp
User Account on Server:
Number of Backups to Retain:              5
```

[Table 9](#) describes the significant fields shown in the display.

Table 9 *show backup Field Descriptions*

Field	Description
Server URL	IP address of the backup server.
User Account on Server	(Optional) User ID on the backup server.
Number of Backups to Retain	Number of backup files to store before the oldest one is overwritten.

■ show backup

Related Commands

Command	Description
show backup schedule detail job	Shows details for all recurring scheduled backup jobs.

show backup history

To display the success or failure of backup and restore procedures, use the **show backup history** command in Cisco Unity Express EXEC mode.

show backup history

Syntax Description

This command has no arguments or keywords.

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 AIM and in Cisco Unified Communications Manager 3.3(3).
8.0	This command was modified to show information about past backups only. Beginning with this release, past restores are shown using the show restore history command. In addition, new fields for showing the Schedule type and backup Version were added.

Usage Guidelines

This command displays each backup file, its backup ID, the type of data stored in the file, and the success or failure of the backup procedure.



Note

If the backup/restore fails because the FTP server is not reachable, the failure is not logged in the backup/restore history.

The following is sample output from the **show backup history** command for versions 7.1 and earlier:

```
se-10-0-0-0# show backup history

#Start Operation
Category:      Configuration
Backup Server: ftp://10.100.10.215/CUE_backup
Operation:     Backup
Backupid:      2
Restoreid:     -1
Description:   test backup 1
Date:          Sun Jun 13 12:32:48 PDT 1993
Result:        Success
Reason:
#End Operation

#Start Operation
Category:      Data
Backup Server: ftp://10.100.10.215/CUE_backup
Operation:     Backup
```

■ show backup history

```

Backupid:      2
Restoreid:     -1
Description:   CUE test backup
Date:         Sun Jun 13 12:32:57 PDT 1993
Result:       Success
Reason:
#End Operation

#Start Operation
Category:     Configuration
Backup Server: ftp://10.100.10.215/CUE_backup
Operation:    Restore
Backupid:     2
Restoreid:    1
Description:
Date:         Sun Jun 13 12:37:52 PDT 1993
Result:       Success
Reason:
#End Operation

#Start Operation
Category:     Data
Backup Server: ftp://10.100.10.215/CUE_backup
Operation:    Restore
Backupid:     2
Restoreid:    1
Description:
Date:         Sun Jun 13 12:38:00 PDT 1993
Result:       Success
Reason:
#End Operation

```

The following is sample output from the **show backup history** command for versions 8.0 and later:

```

se-10-0-0-0# show backup history

aaa# show backup history
#Start Operation
Category: Configuration
Backup Server: ftp://192.1.1.31/backups
Operation: Backup
Backupid: 7
Date: Wed Feb 17 23:19:48 EST 2010
Result: Success
Reason:
Version: 8.0.0.1
#End Operation

#Start Operation
Category: Data
Backup Server: ftp://192.1.1.31/backups
Operation: Backup
Backupid: 7
Date: Wed Feb 17 23:19:48 EST 2010
Result: Success
Reason:
Version: 8.0.0.1
#End Operation

#Start Operation
Category: HistoricalData
Backup Server: ftp://192.1.1.31/backups
Operation: Backup
Backupid: 7

```

```

Date: Wed Feb 17 23:19:49 EST 2010
Result: Success
Reason:
Version: 8.0.0.1
#End Operation

#Start Operation
Category: Configuration
Backup Server: ftp://192.1.1.31/backups
Operation: Backup
Backupid: 8
Date: Fri Feb 19 14:36:33 EST 2010
Result: Success
Reason:
Version: 8.0.0.1
#End Operation

```

Table 10 describes the significant fields shown in the display.

Table 10 *show backup history* Field Descriptions

Field	Description
Category	Specifies the type of file (data, configuration, or all) that was backed up.
Backup Server	Backup server location.
Operation	Type of operation performed.
Backupid	ID number of the backup file.
Restoreid	ID to use to restore this file.
	 <p>Note Beginning with Cisco Unity Express 8.0, this command no longer shows restore information. See the show restore history command.</p>
Description	Optional description of the backup procedure.
Date	Date and time (in hh:mm:ss) when the operation occurred.
Result	Indication of success or failure of the operation.
Reason	If the operation failed, this field gives the reason for the failure.
Version	Specifies the scheduled backup version. This field was added in Cisco Unity Express version 8.0.

Related Commands

Command	Description
backup	Selects the backup data and initiates the backup process.
show backup server	Displays the backup file ID.
show restore history	Displays the success or failure of restore operations.

show backup schedule detail job

To display the details of the specified recurring scheduled backup job, use the **show backup schedule detail job** command in Cisco Unity Express EXEC mode.

show backup schedule detail job *job-name*

Syntax Description

<i>job-name</i>	Specifies the name of the scheduled backup job to display.
-----------------	--

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Examples

The following example displays information for the specified recurring scheduled backup job:

```
se-10-0-0-0# show backup schedule detail job job-8
```

```
Name          job-8
Description    main backup
Categories     TimeCardView Configuration Data HistoricalData
Schedule       Daily at 06:00
Last Run       Jan 1, 2009 at 6:00
Last Result    Success
Next Run       Jan 2, 2009 at 6:00
Active         from Jan 01, 2000 until Dec 31, 2009
```

[Table 11](#) describes the significant fields shown in the display.

Table 11 *show backup schedule detail job Field Descriptions*

Field	Description
Name	Name of the scheduled backup job.
Description	Description of the scheduled backup job.
Categories	Categories of information that will be backed up.
Schedule	When the backup job is scheduled to occur.
Last Run	Date and time the last backup occurred
Last Result	Result of the last scheduled backup job.
Next Run	Date and time the next backup will occur
Active	Time period when the scheduled backup job is active.

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
	show backup schedule detail job	Shows details for all recurring scheduled backup jobs.

show backup schedules

To display the details of all recurring scheduled backup jobs configured on the local system, use the **show backup schedules** command in Cisco Unity Express EXEC mode.

show backup schedules

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Examples The following example displays the details of all recurring scheduled backup jobs:

```
se-10-0-0-0# show backup schedules
```

Name	Schedule	Next Run	Description	Categories
A22	NOT SET	NEVER		
backup1000	Every 1 days at 12:34	Jun 25, 2002 12:34		Data
Total: 2				

[Table 12](#) describes the significant fields shown in the display.

Table 12 *show backup schedules Field Descriptions*

Field	Description
Name	Name of the scheduled backup job.
Schedule	When the backup job is scheduled to occur.
Next Run	Date and time the next backup will occur
Description	Description of the scheduled backup job.
Categories	Categories of information that will be backed up.

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

show backup server

To display the details of the most recent backup files, use the **show backup server** command in Cisco Unity Express EXEC mode.

show backup server

Syntax Description This command has no arguments or keywords.

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 AIM and in Cisco Unified Communications Manager 3.3(3).
	8.0	New fields for showing the Schedule type and backup Version were added.

Usage Guidelines This command displays a list of the backup files available on the backup server. The files are grouped by category, with the date of each backup and the backup file ID. For information on the success or failure of a backup procedure, see the [show backup history](#) command.

Examples The following is sample output for the **show backup server** command:

```
se-10-0-0-0# show backup server

aaa# show backup server
Category: Data
Details of last 5 backups
Backupid: 1
Date: Thu Oct 29 23:48:06 UTC 2009
Software Ver: 8.0.0.1

Backupid: 6
Date: Sat Feb 06 12:31:40 EST 2010
Software Ver: 8.0.0.1

Backupid: 7
Date: Wed Feb 17 23:19:48 EST 2010
Software Ver: 8.0.0.1

Category: Configuration
Details of last 5 backups
Backupid: 4
```

■ show backup server

Date: Tue Jan 12 08:35:14 EST 2010
Software Ver: 8.0.0.1

Backupid: 5
Date: Mon Jan 25 14:10:31 EST 2010
Software Ver: 8.0.0.1

Backupid: 6
Date: Sat Feb 06 12:31:40 EST 2010
Software Ver: 8.0.0.1

Backupid: 7
Date: Wed Feb 17 23:19:48 EST 2010
Software Ver: 8.0.0.1

Backupid: 8
Date: Fri Feb 19 14:36:33 EST 2010
Software Ver: e 8.0.0.1

Table 13 describes the significant fields shown in the display.

Table 13 *show backup server Field Descriptions*

Field	Description
Category	Type of backup file.
Backupid	ID number of the backup file.
Date	Date and time (in hh:mm:ss) when the file was backed up.
Description	Optional description of the backup file.

Related Commands

Command	Description
backup	Selects the backup data and initiates the backup process.
show backup history	Displays the success or failure of backup and restore procedures.

show calendar biz-schedule

To display the business-hours schedules, use the **show calendar biz-schedule** command in Cisco Unity Express EXEC mode.

```
show calendar biz-schedule {schedule-name | all}
```

Syntax Description

<i>schedule-name</i>	Name of a business-hours schedule to be displayed.
all	Displays all the business-hours schedules configured on the local system.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Usage Guidelines

Use the **calendar biz-schedule** command to create a business-hours schedule.

Examples

The following example displays the holiday-hours business-hours schedule:

```
se-10-0-0-0# show calendar biz-schedule holiday-season
```

```
*****
Schedule: holiday-season
Day          Open Hours
-----
Sunday       09:00 to 15:00
Monday       08:30 to 17:30
Tuesday      08:30 to 17:30
Wednesday    08:30 to 17:30
Thursday     08:00 to 21:00
Friday       08:00 to 21:00
Saturday     08:00 to 21:30
```

The following example displays all the business-hours schedules configured on the local system, including the default schedule SystemSchedule:

```
sse-10-0-0-0# show calendar biz-schedule all
```

```
*****
Schedule: systemschedule
Day          Open Hours
-----
Sunday       Open all day
Monday       Open all day
Tuesday      Open all day
Wednesday    Open all day
Thursday     Open all day
Friday       Open all day
Saturday     Open all day
```

■ show calendar biz-schedule

```

*****
Schedule: normal
Day          Open Hours
-----
Sunday       None
Monday       08:30 to 17:30
Tuesday      08:30 to 17:30
Wednesday    08:30 to 17:30
Thursday     08:30 to 20:00
Friday       08:30 to 18:00
Saturday     09:00 to 13:00

*****
Schedule: holiday-season
Day          Open Hours
-----
Sunday       09:00 to 15:00
Monday       08:30 to 17:30
Tuesday      08:30 to 17:30
Wednesday    08:30 to 17:30
Thursday     08:00 to 21:00
Friday       08:00 to 21:00
Saturday     08:00 to 21:30

```

Related Commands

Command	Description
calendar biz-schedule	Creates a business-hours schedule.
closed day	Specifies the hours when a business is closed on a specific day.
open day	Specifies the hours when a business is open on a specific day.

show calendar holiday

To display the holidays configured on the local system, use the **show calendar holiday** command in Cisco Unity Express EXEC mode.

show calendar holiday [**all** | **year** *yyyy* [**month** *mm*] | **fixed**]

Syntax Description

year <i>yyyy</i>	(Optional) Year of the holiday list, where <i>yyyy</i> is the 4-digit year.
month <i>mm</i>	(Optional) Month of the holiday list, where <i>mm</i> is the 2-digit month.
fixed	(Optional) Display only the fixed holidays.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.
3.0	This command was extended to display fixed holidays.

Examples

The following example displays all the holidays configured on the system.

```
se-10-0-0-0# show calendar holiday

*****
                Year: 2004
*****
February 14  FIXED  Valentine's day
September 04   Labor Day
November 01   FIXED
November 25   Thanksgiving
December 31   FIXED  New year's eve

*****
                Year: 2005
*****
February 14  FIXED  Valentine's day
July 04     July 4th
September 05   Labor Day
November 01   FIXED
November 24   Thanksgiving
December 25   Christmas
December 31   FIXED  New year's eve
```

The following example displays the holidays configured for a specific year.

```
se-10-0-0-0-0# show calendar holiday year 2005

*****
                Year: 2005
*****
February 14  FIXED  Valentine's day
July 04     July 4th
September 05   Labor Day
```

show calendar holiday

```

November 01  FIXED
November 24  Thanksgiving
December 25  Christmas
December 31  FIXED  New year's eve

```

The following example displays all the holidays for a specific month.

```
se-10-0-0-0# show calendar holiday year 2005 month 12
```

```

*****
                Year: 2005
*****
December 25  Christmas
December 31  FIXED  New year's eve

```

If no holidays are configured for a specific year or month, a message similar to the following appears:

```
se-10-0-0-0# show calendar holiday year 2006
```

```
No holidays found for the specified year
```

The following example displays only the fixed holidays configured on the system.

```
se-10-0-0-0# show calendar holiday year 2005 month 12
```

```

*****
                Year: 2004
*****
February 14  FIXED  Valentine's day
November 01  FIXED
December 31  FIXED  New year's eve

*****
                Year: 2005
*****
February 14  FIXED  Valentine's day
November 01  FIXED
December 31  FIXED  New year's eve

```

Related Commands

Command	Description
calendar holiday	Creates a holiday list on the local system.

show call-agent

To display the call-agent information, use the **show call-agent** command in Cisco Unity Express EXEC mode.

show call-agent

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command enables you to view the call-agent information.

Examples The following is a sample output for the **show license all** command:

```
se-10-0-0-0# show call-agent
Call-agent:          CUCM
```

Related Commands	Command	Description
	call-agent	Configures the call-agent.

show ccn application

To display the currently configured applications, use the **show ccn application** command in Cisco Unity Express EXEC mode.

show ccn application

Syntax Description This command has no arguments or keywords.

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.

Examples The following is sample output for the **show ccn application** command:

```
cue-10-0-0-0# show ccn application
```

```
Name:                ciscoawiapplication
Description:         ciscoawiapplication
Script:              setmwi.aef
ID number:           0
Enabled:             yes
Maximum number of sessions: 8
strMWI_OFF_DN:      8001
strMWI_ON_DN:       8000
CallControlGroupID: 0
```

```
Name:                voicemail
Description:         voicemail
Script:              voicebrowser.aef
ID number:           1
Enabled:             yes
Maximum number of sessions: 8
logoutUri:          http://localhost/voicemail/vxmlscripts/Logout.jsp
uri:                 http://localhost/voicemail/vxmlscripts/login.vxml
```

```
Name:                autoattendant
Description:         Auto Attendant
Script:              aa.aef
ID number:           2
Enabled:             yes
Maximum number of sessions: 8
MaxRetry:            3
```

```
operExtn: 0
welcomePrompt: AAWelcome.wav
```

Table 14 describes the significant fields shown in the display.

Table 14 *show ccn application Field Descriptions*

Field	Description
Name	Name of the application.
Description	Description of the application.
Script	Application script filename.
ID number	Order of configuration sequence number.
Enabled	Active status state.
Maximum number of sessions	Maximum number of concurrent calls that the application can handle.
logoutUri	Location of the logout Voice XML script to execute for the voice-mail application.
uri	Location of the login Voice XML script to execute for the voice-mail application.
MaxRetry	Number of times that the subscriber can respond incorrectly to submenu options before the application disconnects the call.
strMWI_OFF_DN	MWI off extension.
strMWI_ON_DN	MWI on extension.
CallControlGroupID	Sequence number.
operExtn	Extension dialed for the auto-attendant operator when the caller presses zero "0".
welcomePrompt	Welcome prompt filename.

Related Commands

Command	Description
show ccn engine	Displays the application engine parameters.
show ccn scripts	Displays configured scripts.
show ccn subsystem sip	Displays configured subsystems.
show ccn trigger all	Displays configured triggers for applications.

show ccn call application

To display active calls for a specific application, use the **show ccn call application** in Cisco Unity Express EXEC mode.

```
show ccn call application [all [subsystem {jtapi | sip}] ] |
  application-name [subsystem {jtapi | sip}] ]
```

Syntax Description

all	(Optional) Displays active calls for all applications.
<i>application-name</i>	(Optional) Displays active calls for the specified application.
subsystem jtapi	(Optional) Displays active calls for the JTAPI subsystem.
subsystem sip	(Optional) Displays active calls for the SIP subsystem.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.1	This command was introduced.

Examples

The following are sample outputs for the **show ccn call application** command:

```
se-10-0-0-0# show ccn call application voicemail

Active Call Details for Subsystem :SIP
-----

**** Details for route ID :1200 ****
-----

** Active Port #1:Call and Media info **
-----

Port ID :4
Port Impl ID :16904
Port State :IN_USE
Call Id :241
Call Impl Id :FFCE47C8-669711D6-8C4BF237-80EC4A17@10.4.39.35
Call State :CALL_ANSWERED
Call active time(in seconds) :1
Application Associated :voicemail
Application Task Id :17000000122
Called Number :1200
Dialed Number :
Calling Number :1005
ANI :
DNIS :
CLID :sip:1005@10.4.39.35
Arrival Type :DIRECT
Last Redirected Number :
```

```

Original Called Number :
Original Dialed Number :

Media Id :6
Media State :IN_USE
Media Destination Address :10.4.39.35
Media Destination Port :16970
Destination Size :20
Destination Payload :G711ULAW64K
Media Source Address :10.4.39.135
Media Source Port :16904
Source Size :30
Source Payload :G711ULAW64K

```

```
se-10-0-0-0# show ccn call application promptmgmt
```

```
Active Call Details for Subsystem :SIP
```

```
-----
**** Details for route ID :1202 ****
-----
```

```
-----
** Active Port #1:Call and Media info **
-----
```

```

Port ID :3
Port Impl ID :16902
Port State :IN_USE
Call Id :242
Call Impl Id :92023CF-669811D6-8C50F237-80EC4A17@10.4.39.35
Call State :CALL_ANSWERED
Call active time(in seconds) :1
Application Associated :promptmgmt
Application Task Id :17000000123
Called Number :1202
Dialed Number :
Calling Number :1005
ANI :
DNIS :
CLID :sip:1005@10.4.39.35
Arrival Type :DIRECT
Last Redirected Number :
Original Called Number :
Original Dialed Number :

```

```

Media Id :5
Media State :IN_USE
Media Destination Address :10.4.39.35
Media Destination Port :18534
Destination Size :20
Destination Payload :G711ULAW64K
Media Source Address :10.4.39.135
Media Source Port :16902
Source Size :30
Source Payload :G711ULAW64K

```

Table 15 describes the significant fields shown in the display.

Table 15 *show ccn call application Field Descriptions*

Field	Description
Port ID	ID number of the port.
Port Impl ID	Implementation ID for the port. This is an internally generated number.
Port State	Status of the port.
Call Id	ID number of the call.
Call Impl Id	Implementation ID of the call. This is an internally generated number.
Call State	Status of the call.
Call active time (in seconds)	Length of time for which the call has been active, in seconds.
Application Associated	Application associated with the call.
Application Task Id	ID of the application task associated with the call.
Called Number	Called number or extension.
Dialed Number	Dialed number or extension.
Calling Number	Calling number or extension.
ANI	Automatic Number Identification of the calling party.
DNIS	Dialed Number Identification Service of the called party.
CLID	Caller ID of the incoming call.
Arrival Type	Type of the incoming call.
Last Redirected Number	If this is a forwarded call, this field shows the number that forwarded the call.
Original Called Number	If this is a forwarded call, this field shows the original called number.
Original Dialed Number	If this is a forwarded call, this field shows the original number dialed by the caller.
Media Id	ID of the media.
Media State	Status of the media.
Media Destination Address	IP address of the media destination.
Media Destination Port	Port number of the media.
Destination Size	Size of the destination.
Destination Payload	Payload of the media.
Media Source Address	IP address of the media source.
Media Source Port	Port number of the media source.
Source Size	Size of the source.
Source Payload	Payload of the source.

Related Commands	Command	Description
	ccn call terminate	Terminates an active call.
	show ccn call route	Displays active calls for specified routes.

show ccn call fax incoming

To display active calls for incoming Cisco Unity Express IVR faxes, use the **show ccn call fax incoming** command in Cisco Unity Express IVR user EXEC mode.

show ccn call fax incoming

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express IVR user EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples The following example configures a list of incoming fax calls when incoming calls are recorded:

```
se-10-0-0-0> show ccn call fax incoming
Connect Time                Sender                Receiver
=====
Mon Jan 15 12:56:26 PST 2007  1111                5000

1 incoming fax call(s)
```

[Table 16](#) describes the significant fields shown in the display.

Table 16 *show ccn call fax incoming Field Descriptions*

Field	Description
Connect Time	Time when a connection is made for an incoming fax session.
Sender	Sender's phone number for an incoming fax session.
Receiver	Receiver's phone number for an incoming fax session.

Related Commands	Command	Description
	ccn subsystem fax-IVR Only	Configures the Cisco Unity Express IVR fax settings.

show ccn call route

To display active calls for a specific route, use the **show ccn call route** command in Cisco Unity Express EXEC mode.

```
show ccn call route [all [subsystem {jtapi | sip}] | route-address [subsystem {jtapi | sip}]]
```

Syntax Description	all	(Optional) Displays active calls for all routes.
	<i>route-address</i>	(Optional) Displays active calls for the specified route.
	subsystem jtapi	(Optional) Displays active calls for the JTAPI subsystem.
	subsystem sip	(Optional) Displays active calls for the SIP subsystem.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines A route address is a trigger number configured for an application. Use the **show ccn trigger** command to display a list of configured triggers.

Examples The following are sample outputs for the **show ccn call route** command:

```
se-10-0-0-0# show ccn call route

Active Call Details for Subsystem :JTAPI
-----

**** Details for route ID :2200 ****
-----

** Active Port #1:Call and Media info **
-----

Port ID :2
Port Impl ID :2225550150
Port State :IN_USE
Call Id :9
Call Impl Id :1566/1
Call State :CALL_ANSWERED
Call active time(in seconds) :12
Application Associated :voicemail
Application Task Id :17000000010
Called Number :2200
Dialed Number :
Calling Number :2001
ANI :
DNIS :
```

show ccn call route

```

CLID :
Arrival Type :DIRECT
Last Redirected Number :
Original Called Number :2200
Original Dialed Number :

Media Id :2
Media State :IN_USE
Media Destination Address :172.16.59.11
Media Destination Port :22814
Destination Size :20
Destination Payload :G711ULAW64K
Media Source Address :10.4.14.133
Media Source Port :16388
Source Size :20
Source Payload :G711ULAW64K

** Active Port #2:Call and Media info **
-----

```

```

Port ID :1
Port Impl ID :2225550151
Port State :IN_USE
Call Id :10
Call Impl Id :1567/1
Call State :CALL_ANSWERED
Call active time(in seconds) :12
Application Associated :voicemail
Application Task Id :17000000011
Called Number :2200
Dialed Number :
Calling Number :2003
ANI :
DNIS :
CLID :
Arrival Type :DIRECT
Last Redirected Number :
Original Called Number :2200
Original Dialed Number :

Media Id :1
Media State :IN_USE
Media Destination Address :172.16.59.12
Media Destination Port :27928
Destination Size :20
Destination Payload :G711ULAW64K
Media Source Address :10.4.14.133
Media Source Port :16386
Source Size :20
Source Payload :G711ULAW64K

```

```
Active Call Details for Subsystem :SIP
-----
```

The following example displays active calls for the route 1200, which is a trigger number for the voice-mail application.

```
se-10-0-0-0# show ccn call route 1200
```

```
Active Call Details for Subsystem :SIP
-----
```

```
**** Details for route ID :1200 ****
-----
```

```
** Active Port #1:Call and Media info **
```

```
-----
Port ID :8
Port Impl ID :16912
Port State :IN_USE
Call Id :246
Call Impl Id :E682B0A9-673311D6-8C64F237-80EC4A17@10.4.39.35
Call State :CALL_ANSWERED
Call active time(in seconds) :0
Application Associated :voicemail
Application Task Id :17000000127
Called Number :1200
Dialed Number :
Calling Number :1005
ANI :
DNIS :
CLID :sip:1005@10.4.39.35
Arrival Type :DIRECT
Last Redirected Number :
Original Called Number :
Original Dialed Number :

Media Id :1
Media State :IN_USE
Media Destination Address :10.4.39.35
Media Destination Port :18812
Destination Size :20
Destination Payload :G711ULAW64K
Media Source Address :10.4.39.135
Media Source Port :16912
Source Size :30
Source Payload :G711ULAW64K
```

Table 17 describes the significant fields shown in the display.

Table 17 show ccn call route Field Descriptions

Field	Description
Port ID	ID number of the port.
Port Impl ID	Implementation ID for the port. This is an internally generated number.
Port State	Status of the port.
Call Id	ID number of the call.
Call Impl Id	Implementation ID of the call. This is an internally generated number.
Call State	Status of the call.
Call active time (in seconds)	Length of time for which the call has been active, in seconds.
Application Associated	Application associated with the call.
Application Task Id	ID of the application task associated with the call.
Called Number	Called number or extension.
Dialed Number	Dialed number or extension.

Table 17 *show ccn call route Field Descriptions (continued)*

Field	Description
Calling Number	Calling number or extension.
ANI	Automatic Number Identification of the calling party.
DNIS	Dialed Number Identification Service of the called party.
CLID	Caller ID of the incoming call.
Arrival Type	Type of the incoming call.
Last Redirected Number	If this is a forwarded call, this field shows the number that forwarded the call.
Original Called Number	If this is a forwarded call, this field shows the original called number.
Original Dialed Number	If this is a forwarded call, this field shows the original number dialed by the caller.
Media Id	ID of the media.
Media State	Status of the media.
Media Destination Address	IP address of the media destination.
Media Destination Port	Port number of the media.
Destination Size	Size of the destination.
Destination Payload	Payload of the media.
Media Source Address	IP address of the media source.
Media Source Port	Port number of the media source.
Source Size	Size of the source.
Source Payload	Payload of the source.

Related Commands

Command	Description
ccn call terminate	Terminates an active call.
show ccn call application	Displays active calls for specified applications.
show ccn trigger all	Displays currently configured triggers.

show ccn document–IVR Only

To display a Cisco Unity Express IVR document, use the **show ccn document** command in Cisco Unity Express IVR user EXEC mode.

show ccn document {all | generic | template | tiff}

Syntax Description	all	Displays all types of documents.
	generic	Displays generic documents.
	template	Displays template documents.
	tiff	Displays Tagged Image File Format (TIFF) documents.

Command Modes Cisco Unity Express IVR user EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples

The following example shows sample output from the **show ccn document all** command; the output lists sample documents with .txt and .tif file extensions:

```
se-10-0-0-0> show ccn document all

Name:                template.txt
Language:            en_US
Type:                Template
Last Modified Date:  Wed Jan 24 16:36:57 EST 2007
Length in Bytes:    30

Name:                larkin.tif
Language:            en_US
Type:                Tiff
Last Modified Date:  Wed Jan 24 12:47:26 EST 2007
Length in Bytes:    59939

Name:                logo.tif
Language:            en_US
Type:                Tiff
Last Modified Date:  Wed Jan 24 14:02:22 EST 2007
Length in Bytes:    58804

Name:                test.txt
Language:            en_US
Type:                Generic
Last Modified Date:  Wed Jan 24 16:36:55 EST 2007
Length in Bytes:    21
```

The following example shows sample output from the **show ccn document generic** command; the output lists a sample generic document with .txt file extension:

```
se-10-0-0-0> show ccn document generic
```

```
Name:                test.txt
Language:            en_US
Type:                Generic
Last Modified Date:  Wed Jan 24 16:36:55 EST 2007
Length in Bytes:    21
```

The following example shows sample output from the **show ccn document template** command; the output lists only the template documents:

```
se-10-0-0-0> show ccn document template
```

```
Name:                template.txt
Language:            en_US
Type:                Template
Last Modified Date:  Wed Jan 24 16:36:57 EST 2007
Length in Bytes:    30
```

```
se-10-0-0-0> show ccn document tiff
```

```
Name:                larkin.tif
Language:            en_US
Type:                Tiff
Last Modified Date:  Wed Jan 24 12:47:26 EST 2007
Length in Bytes:    59939
```

```
Name:                logo.tif
Language:            en_US
Type:                Tiff
Last Modified Date:  Wed Jan 24 14:02:22 EST 2007
Length in Bytes:    58804
```

[Table 18](#) describes the significant fields shown in the previous examples.

Table 18 *show ccn document Field Descriptions*

Field	Description
Name	Name of document file, including file extension.
Language	(Optional) Language of document file in the format <i>xx_YY</i> .
Type	Type of document file: <ul style="list-style-type: none"> • Generic • Template • TIFF
Last Modified Date	The date that the document was last modified, as shown in the following format: <i>day of the week:month:date:hour:minute:second:timezone:year.</i>
Length in Bytes	The size of the document in bytes.

Related Commands

Command	Description
ccn copy document–IVR Only	Copies a document from the Cisco Unity Express IVR system to a specified URL.
ccn delete document–IVR Only	Deletes an existing document from the Cisco Unity Express IVR system.

show ccn engine

To display details of the configured Cisco Unity Express software engine, use the **show ccn engine** command in Cisco Unity Express EXEC mode.

show ccn engine

Syntax Description This command has no arguments or keywords.

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.

Examples The following is sample output for the **show ccn engine** command:

```
se-10-0-0-0# show ccn engine

Maximum number of Tasks:          0
Maximum number of Steps:         1000
```

[Table 19](#) describes the significant fields shown in the display.

Table 19 *show ccn engine Field Descriptions*

Fields	Descriptions
Maximum number of Tasks	Maximum number of tasks that the Cisco Communication Network (CCN) engine can process concurrently.
Maximum number of Steps	Maximum number of steps that can be executed in one script. If the script reaches this maximum number, the script execution is halted.

Related Commands	Command	Description
	show call-agent	Displays configured applications.
	show ccn scripts	Displays configured scripts.
	show ccn subsystem sip	Displays configured subsystems.
	show ccn trigger all	Displays configured triggers for applications.

show ccn prompts

To display the configured auto-attendant greeting prompt files, use the **show ccn prompts** command in Cisco Unity Express EXEC mode.

```
show ccn prompts [language xx_YY]
```

Syntax Description

language *xx_YY* (Optional) Language of the prompts. See the [Release Notes for Cisco Unity Express](#) for a list of supported languages.

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.
2.0	The language option was added.

Usage Guidelines

Use this command before configuring a new prompt file to verify the filenames that exist or before deleting a prompt to verify the name of the prompt file that must be removed.

If a language is not specified, **this command** displays subscriber prompts in all installed languages.

If a language is specified, this command displays subscriber prompts only for that language.

Cisco Unity Express permits only one installed language.

Examples

The following is sample output for the **show ccn prompts** command:

```
se-10-0-0-0# show ccn prompts

Name:                               AAExtnOutOfService.wav
Language:                             de_DE
Last Modified Date:                   Thu Oct 21 a0:57:35 PDT 2004
Length:                                25462
```

[Table 20](#) describes the significant fields shown in the display.

Table 20 *show ccn prompts Field Descriptions*

Field	Description
Name	Name of the prompt file.
Language	Language of the prompt file.
Last Modified Date	Date when the prompt file was last modified.
Length	Length of the prompt file, in seconds.

Related Commands

Command	Description
ccn copy prompt	Copies prompts to a specified URL.
ccn delete prompt	Deletes the specified prompt.
voicemail default	Specifies a default voice-mail language.

show ccn reporting historical

To display the Cisco Unity Express IVR reporting historical database parameters, use the **show ccn reporting historical** command in Cisco Unity Express IVR user EXEC mode.

show ccn reporting historical

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express IVR user EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples The following example output from the **show ccn reporting historical** command:

```
se-10-0-0-0> show ccn reporting historical

Database Information
-----
Enabled      : Yes
Location     : Local
Connection   : Active
Description  : ac-milan-cue.localdomain
Node ID: 0
DB Usage: 0% (Thu Jan 25  04:00:04)

Purge Schedule
-----
Daily Time: 4:00 AM
Data older than 365 days will be purged
Date of last completed purge: Thu Jan 25  04:00:04

Purge Capacity Configuration
-----
Email Address:
Warning Capacity: 85%
Purge Capacity: 90%
Oldest Days to purge: 7
```

[Table 21](#) describes the significant fields shown in the previous examples.

Table 21 *show ccn reporting historical Field Descriptions*

Field	Description
Database Information	
Enabled	Indicates whether the reporting historical database is enabled.
Location	Indicates the location of the reporting historical database.
Connection	Indicates whether the database connection is active or inactive.

Table 21 *show ccn reporting historical Field Descriptions (continued)*

Field	Description
Description	The name of the local reporting historical database.
Node ID	The node identifier of the database.
DB Usage	The database usage in percentage as of the date indicated.
Database Purge Schedule	
Daily Time	The time of day when the daily purge starts.
Data older than 365 days will be purged	The age of the data, in number of days, that will be purged during the daily purge schedule.
Date of last completed purge	The date when the last database purge was completed.
Purge Capacity Configuration	
E-mail Address	The e-mail address to which the warning is to be sent when the database has reached its capacity.
Warning Capacity	The percentage of the database capacity that is reached or exceeded before a warning e-mail is sent.
Purge Capacity	The percentage of database capacity that is reached or exceeded before the database is purged.
Oldest Days to purge	The age, in number of days, of older data that is to be purged.

Related Commands

Command	Description
ccn reporting historical	Configures the Cisco Unity Express IVR reporting historical database settings.

show ccn scripts

To display script filenames, use the **show ccn scripts** command in Cisco Unity Express EXEC mode.

show ccn scripts

Syntax Description

This command has no arguments or keywords.

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.

Examples

The following is sample output for the **show ccn scripts** command:

```
se-10-0-0-0# show ccn scripts
```

```
Name:                setmwi.aef
Description:         setmwi.aef
Name:                voicebrowser.aef
Description:         voicebrowser.aef
Name:                aa.aef
Description:         aa.aef
se-10-0-0-0#
```

[Table 22](#) describes the significant fields shown in the display.

Table 22 *show ccn scripts* Field Descriptions

Field	Description
Name	Name of the script file.
Description	Optional description of the script file. If no description was configured, the system uses the script name for the description.

Related Commands

Command	Description
show call-agent	Displays configured applications.
show ccn engine	Displays configured application engine parameters.
show ccn prompts	Displays configured auto-attendant prompt files.

Command	Description
show ccn subsystem sip	Displays configured subsystems.
show ccn trigger all	Displays configured triggers for applications.

show ccn sip subscription mwi

To display a list of all active MWI subscriptions, use the **show ccn sip subscription mwi** command in Cisco Unity Express EXEC mode.

show ccn sip subscription mwi

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced on the NM-CUE and NM-CUE-EC modules.

Examples The following is sample output for the **show ccn sip subscription** command:

```
se-10-0-0-0# show ccn sip subscription mwi

DN          Subscription Time          Expires
5012       Mon May 24 2006 10:43:33 PDT 2006   3600
5011       Mon May 24 2006 10:43:33 PDT 2006   3600
```

The following example displays the message that appears if no subscriptions are active:

```
se-10-0-0-0# show ccn sip subscription mwi

No active subscriptions.
```

Related Commands	Command	Description
	ccn subsystem sip	Enters SIP configuration mode.
	dtmf-relay	Sets the SIP DTMF relay mechanism.
	mwi sip	Sets the MWI notification mechanism used by Cisco Unity Express.
	show ccn subsystem sip	Displays the DTMF relay mechanism.
	transfer-mode	Sets the transfer mode used by Cisco Unity Express for SIP calls.

show ccn status ccm-manager

To display the status of the JTAPI subsystem, use the **show ccn status ccm-manager** command in Cisco Unity Express EXEC mode.

show ccn status ccm-manager

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Usage Guidelines The Cisco Unity Express JTAPI subsystem is registered with the Cisco Unified Communications Manager system indicated by the IP address shown in the output of this command.

Examples The following example illustrates the output:

```
se-10-0-0-0# show ccn status ccm-manager
```

```
JTAPI Subsystem is currently registered with Call Manager 10.180.180.2
```

Related Commands	Command	Description
	ccm-manager address	Configures the IP address or hostname of the Cisco Unified Communications Manager servers.
	ccm-manager credentials	Specifies the Cisco Unified Communications Manager JTAPI username and password.
	ccm-manager username	Specifies the Cisco Unified Communications Manager JTAPI user.

show ccn subsystem edbs dbprofile—IVR Only

To display the Cisco Unity Express IVR enterprise database subsystem (EDBS) profile parameters, use the **show ccn subsystem edbs dbprofile** command in Cisco Unity Express IVR user EXEC mode.

show ccn subsystem edbs dbprofile

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express IVR user EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Examples

The following example shows sample output from the **show ccn subsystem edbs dbprofile all** command:

```
se-10-0-0-0> show ccn subsystem edbs dbprofile all

Profile Name:                msde_db
Status:                      active
Database Type:              MSSQL-MSDE
Database Name:              manchester
Description:                Manchester Test_db
Username:                   cisco
Password:                   *****
Hostname:                   myHost
Port:                       1074
Enabled:                     yes
Maximum number of active connections: 8
```

[Table 23](#) describes the significant fields shown in the previous example.

Table 23 *show ccn subsystem edbs dbprofile Field Descriptions*

Field	Description
Profile Name	Name of the database profile.
Status	Indicates whether the EDBS database is active.
Database Type	The underlying database type.
Database Name	Name of the EDBS database.
Description	Description of the EDBS database.
Username	The login username for access to the EDBS database.
Password	The login password for access to the EDBS database.
Hostname	DNS hostname or IP address of the EDBS database.
Port	Port number of the EDBS database

Table 23 *show ccn subsystem edbs dbprofile Field Descriptions*

Field	Description
Enabled	Indicates whether the EDBS database is enabled.
Maximum number of active connections	Indicates the maximum number of active connections to the EDBS database.

Related Commands

Command	Description
show ccn subsystem sip	Configures the Cisco Unity Express IVR EDBS profile name.

show ccn subsystem email–IVR Only

To display the Cisco Unity Express IVR *default-from* e-mail address or to display the e-mails in the queue, use the **show ccn subsystem email** command in Cisco Unity Express IVR user EXEC mode.

show ccn subsystem email [queue]

Syntax Description	queue	(Optional) Displays e-mail messages in the queue if the e-mail messages are sent in the queued mode. When e-mails are generated, e-mail messages can be sent synchronously or in a queued mode.
---------------------------	--------------	---

Command Modes	Cisco Unity Express IVR user EXEC
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples The sample output from the **show ccn subsystem email** command lists the following *default-from* e-mail address:

```
se-10-0-0-0> show ccn subsystem email
Default From Address :                localhost@localdomain.com
```

The following example shows sample output from the **show ccn subsystem email queue** command if the e-mail messages are sent in a queued mode:

```
se-10-0-0-0> show ccn subsystem email queue
=====
Email ID      Recipient          Subject                                     Scheduled
                                                    Send Time
=====
1196220172243 max20char@cisco.com  subject of Email - max 30 char  2007/05/30 10:52:00
```

Related Commands	Command	Description
	ccn subsystem email–IVR Only	Configures the Cisco Unity Express IVR e-mail feature.

show ccn subsystem fax–IVR Only

To display the Cisco Unity Express IVR *default-from* fax address or the faxes in the fax queue, use the **show ccn subsystem fax** command in Cisco Unity Express IVR user EXEC mode.

```
show ccn subsystem fax [outbound queue]
```

Syntax Description	outbound queue	(Optional) Faxes are always sent in queued mode. Displays fax messages in the outbound fax queue.
---------------------------	-----------------------	---

Command Modes	Cisco Unity Express IVR user EXEC
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Examples The sample output from the **show ccn subsystem fax** command lists the following fax *default-from* address:

```
se-10-0-0-0> show ccn subsystem fax
FAX Default From Address:                mqwerty@cisco.com
```

Faxes are always sent in queued mode. The following example shows sample output from the **show ccn subsystem fax outbound queue** command:

```
se-10-0-0-0> show ccn subsystem fax outbound queue
=====
Fax ID      Recipient      Subject                                     Retry      Scheduled
          Count         Send Time
=====
15          9784551212    subject of Fax - max 30 char              1          2007/05/30 10:52:00
```

Related Commands	Command	Description
	ccn subsystem fax–IVR Only	Configures Cisco Unity Express IVR faxes.

show ccn subsystem jtapi

To display the JTAPI subsystem parameters, use the **show ccn subsystem jtapi** command in Cisco Unity Express EXEC mode.

show ccn subsystem jtapi

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	1.1	This command was introduced on the Cisco Unity Express network module (NM), 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.
	3.2	This command displays information for new features that enable you to specify: <ul style="list-style-type: none"> • A CTI port to use for MWI • The calling search space used to redirect calls from route points to CTI ports. • The calling search space used to redirect calls from CTI ports to elsewhere.

Examples The following example displays the JTAPI parameters:

```
se-10-0-0-0# show ccn subsystem jtapi

Cisco Call Manager:          10.30.40.50
CCM Username:                admin
CCM Password:                *****
Call Control Group 1 CTI ports: 7008,7009,7010
Call Control Group 1 MWI port: 4210
CSS for redirects from route points: ccm-default
CSS for redirects from CTI ports:  redirecting-party
```

[Table 24](#) describes the significant fields shown in the display.

Table 24 *show ccn subsystem jtapi Field Descriptions*

Field	Description
Cisco Call Manager	IP address of the Cisco Unified Communications Manager server.
CCM Username	JTAPI user ID.

Table 24 *show ccn subsystem jtapi Field Descriptions*

Field	Description
CCM Password	JTAPI user password.
Call Control Group 1 CTI ports	Cisco Unified Communications Manager CTI ports.
Call Control Group 1 MWI port	Cisco Unified Communications Manager CTI port to use for MWI. If no value is set, CTI ports are used for MWI.
CSS for redirects from route points	Specifies the calling search space used to redirect calls from route points to CTI ports. Valid values are: <ul style="list-style-type: none"> • ccm-default — Redirect without Cisco Unity Express specifying a calling search space. • calling-party — Use the original calling party's calling search space to redirect. • redirecting-party — Use the redirecting party's calling search space to redirect.
CSS for redirects from CTI ports	Specifies the calling search space used to redirect calls from CTI ports to elsewhere. Valid values are: <ul style="list-style-type: none"> • ccm-default — Redirect without Cisco Unity Express specifying a calling search space. • calling-party — Use the original calling party's calling search space to redirect. • redirecting-party — Use the redirecting party's calling search space to redirect.

Related Commandss

Command	Description
ccm-manager address	Specifies the Cisco Unified Communications Manager server.
ccm-manager username	Specifies the JTAPI user ID and password.
ccn subsystem jtapi	Enters JTAPI configuration mode.
ctiport	Specifies the Cisco Unified Communications Manager CTI ports.

show ccn subsystem sip

To display the SIP subsystem parameters, use the **show ccn subsystem sip** command in Cisco Unity Express EXEC mode.

show ccn subsystem sip

Syntax Description This command has no arguments or keywords.

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.
	2.3	This command was implemented on the NM-CUE and NM-CUE-EC modules. The output display was enhanced to include the DTMF Relay, MWI Notification, and Transfer Mode options.
	3.2	This command was extended to display whether envelope information is included in SIP MWI notifications.
	7.0	This command was extended to display whether sub-notify is enabled simultaneously with either outcall or unsolicited for MWI notifications.

Examples The following is sample output for the **show ccn subsystem sip** command:

```
se-10-0-0-0# show ccn subsystem sip

SIP Gateway:          172.19.167.208
SIP Port Number:     5060
DTMF Relay:          sip-notify rtp-nte
MWI Notification:    unsolicited,sub-notify
MWI Envelope Info:   disabled
Transfer Mode:       consult (REFER)
SIP RFC Compliance: Pre-RFC3261
```

[Table 25](#) describes the significant fields shown in the display.

Table 25 *show ccn subsystem sip Field Descriptions*

Field	Description
SIP Gateway	IP address of the SIP gateway.
SIP Port Number	SIP port number on the module.
DTMF Relay	Options for relaying incoming and outgoing DTMF signals.
MWI Notification	Mechanism for updating MWI status. Valid values are: <ul style="list-style-type: none"> • outcall • unsolicited • sub-notify • outcall, sub-notify • unsolicited, sub-notify
MWI Envelope Info	Whether envelope information is included in SIP MWI notifications.
Transfer Mode	Mode for handling transferred calls.
SIP RFC Compliance	Status of SIP RFC-3261 compliance.

Related Commands

Command	Description
ccn subsystem sip	Enters SIP configuration mode.
dtmf-relay	Sets the SIP DTMF relay mechanism.
mwi sip	Sets the MWI notification mechanism used by Cisco Unity Express.
show call-agent	Displays configured applications.
show ccn engine	Displays configured application engine parameters.
show ccn scripts	Displays configured scripts.
show ccn sip subscription mwi	Displays the active MWI subscriptions.
show ccn trigger all	Displays configured triggers for applications.
transfer-mode	Sets the transfer mode used by Cisco Unity Express for SIP calls.

show ccn trigger all

To display all the currently configured trigger types, use the **show ccn trigger all** command in Cisco Unity Express EXEC mode.

show ccn trigger all

Syntax Description This command has no arguments or keywords.

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 Before deleting an application, use this command to display the triggers associated with the application. All triggers for the application must be deleted. If they are not deleted, an incoming call that is configured as a trigger will invoke the application.

Examples The following example shows sample output from the **show ccn trigger all** command:

```
se-10-0-0-0> show ccn trigger all

Name:                2001
Type:                SIP
Application:         promptmgmt
Locale:              systemDefault
Idle Timeout:        10000
Enabled:             yes
Maximum number of sessions: 1

Name:                6300
Type:                SIP
Application:         promptmgmt
Locale:              systemDefault
Idle Timeout:        10000
Enabled:             yes
Maximum number of sessions: 8

Name:                mwiapp
Type:                HTTP
Application:         ciscoMWIapplication
```

```
show ccn trigger all
```

```
Locale:                systemDefault
Idle Timeout:         1000
Enabled:              yes
Maximum number of sessions: 1
```

Table 26 describes the significant fields shown in the previous example.

Table 26 *show ccn trigger all Field Descriptions*

Field	Description
Name	Telephone number used for the trigger.
Type	Type of trigger.
Application	Application assigned to the trigger.
Locale	Language used for the application prompts.
Idle Timeout	Number of seconds that the application waits for a subscriber response before disconnecting the call.
Enabled	Active or inactive state of the application.
Maximum number of sessions	Number of calls that the application can handle concurrently.

Related Commands

Command	Description
ccn trigger sip phonenumber	Configures triggers for an application.

show ccn trigger http—IVR Only

To display the configured Cisco Unity Express HTTP IVR triggers, use the **show ccn trigger http** command in Cisco Unity Express IVR user EXEC mode.

show ccn trigger http

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express IVR user EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Before deleting an application, use the **show ccn trigger all** command to display all triggers associated with the application. All triggers for the application must be deleted. If they are not deleted, an incoming call that is configured as a trigger starts the application.

Examples

The following example shows sample output from the **show ccn trigger http** command:

```
se-10-0-0-0> show ccn trigger http

Name:                mwiapp
Type:                HTTP
Application:         ciscomwiapplication
Locale:              systemDefault
Idle Timeout:        1000
Enabled:              yes
Maximum number of sessions: 1
```

[Table 27](#) describes the significant fields shown in the previous example.

Table 27 *show ccn trigger all Field Descriptions*

Field	Description
Name	Telephone number used for the trigger.
Type	Type of trigger.
Application	Application assigned to the trigger.
Locale	Language used for the application prompts.
Idle Timeout	Number of seconds that the application waits for a subscriber response before disconnecting the call.
Enabled	Active or inactive state of the application.
Maximum number of sessions	Number of calls that the application can handle concurrently.

■ show ccn trigger http-IVR Only

Related Commands	Command	Description
	ccn trigger http-IVR Only	Configures a Cisco Unity Express IVR HTTP-based URL and application trigger.

show ccn trigger jtapi

To display the currently configured Java Telephony API (JTAPI) trigger types, use the **show ccn trigger jtapi** command in Cisco Unity Express EXEC mode.

show ccn trigger jtapi

Syntax Description This command has no arguments or keywords.

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 Before deleting an application, use this command to display the triggers associated with the application. All triggers for the application must be deleted. If they are not deleted, an incoming call that is configured as a trigger will invoke the application.

Examples The following is sample output for the **show ccn trigger** command:

```
cue-10-0-0-0# show ccn trigger

Name:                6800
Type:                 SIP
Application:          voicemail
Locale:               en_ENU
Idle Timeout:         5000
Enabled:               yes
Maximum number of sessions: 8

Name:                6700
Type:                 SIP
Application:          autoattendant
Locale:               en_ENU
Idle Timeout:         5000
Enabled:               yes
Maximum number of sessions: 8
```

[Table 28](#) describes the significant fields shown in the display.

Table 28 *show ccn trigger Field Descriptions*

Field	Description
Name	Telephone number used for the trigger.
Type	Type of trigger.
Application	Application assigned to the trigger.
Locale	Language used for the application prompts.
Idle Timeout	Number of seconds that the application waits for a subscriber response before disconnecting the call.
Enabled	Active or inactive state of the application.
Maximum number of sessions	Number of calls that the application can handle concurrently.

Related Commands

Command	Description
ccn trigger jtapi phonenumber	Configures triggers for an application.

show ccn trigger sip

To display the currently configured Session Initiation Protocol (SIP) trigger types, use the **show ccn trigger sip** command in Cisco Unity Express EXEC mode.

show ccn trigger sip

Syntax Description

This command has no arguments or keywords.

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

Before deleting an application, use this command to display the triggers associated with the application. All triggers for the application must be deleted. If they are not deleted, an incoming call that is configured as a trigger will invoke the application.

Examples

The following is sample output for the **show ccn trigger** command:

```
cue-10-0-0-0# show ccn trigger

Name:                6800
Type:                SIP
Application:         voicemail
Locale:              en_ENU
Idle Timeout:        5000
Enabled:             yes
Maximum number of sessions: 8

Name:                6700
Type:                SIP
Application:         autoattendant
Locale:              en_ENU
Idle Timeout:        5000
Enabled:             yes
Maximum number of sessions: 8
```

[Table 29](#) describes the significant fields shown in the display.

Table 29 *show ccn trigger Field Descriptions*

Field	Description
Name	Telephone number used for the trigger.
Type	Type of trigger.
Application	Application assigned to the trigger.
Locale	Language used for the application prompts.
Idle Timeout	Number of seconds that the application waits for a subscriber response before disconnecting the call.
Enabled	Active or inactive state of the application.
Maximum number of sessions	Number of calls that the application can handle concurrently.

Related Commands

Command	Description
ccn trigger sip phonenumber	Configures triggers for an application.



S: show clock detail to show remote users

Last Updated: June 23, 2011

[show clock detail](#)
[show crypto key](#)
[show fax configuration](#)
[show group detail groupname](#)
[show group profiles](#)
[show groups](#)
[show groups privileges](#)
[show hosts](#)
[show imap configuration](#)
[show imap sessions](#)
[show interface ide](#)
[show ip route](#)
[show kron schedules](#)
[show kron schedule detail job](#)
[show license all](#)
[show license detail](#)
[show license evaluation](#)
[show license expiring](#)
[show license feature](#)
[show license file](#)
[show license in-use](#)
[show license permanent](#)
[show license statistics](#)
[show license status](#)
[show license status application](#)

show license udi
show lists detail private
show lists detail public
show lists owner
show lists public
show log
show logging
show logs
show memory
show messaging-gateway
show network detail local
show network detail location id
show network locations
show network locations cached
show network locations configured
show network queues
show notification configuration
show ntp associations
show ntp servers
show ntp source
show ntp status
show operations
show operations detail
show phone-authentication configuration
show privileges
show operations detail
show processes
show remote cache
show remote user detail
show remote users

show clock detail

To display clock statistics, use the **show clock detail** command in Cisco Unity Express EXEC mode.

show clock detail

Syntax Description This command has no arguments or keywords.

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 Cisco Unity Express uses the Network Time Protocol (NTP) server for clocking functions. Use the **show clock detail** command to display the Cisco Unity Express module clock status.

Examples The following is sample output for the **show clock detail** command:

```
se-10-0-0-0# show clock detail

19:20:33.724 PST Wed Mar 17 1993
time zone:                America/Los_Angeles
clock state:              unsync
delta from reference (microsec): 0
estimated error (microsec): 175431
time resolution (microsec): 1
clock interrupt period (microsec): 10000
time of day (sec):        732424833
time of day (microsec):   760817
```

[Table 30](#) describes the significant fields shown in the display.

Table 30 *show clock detail Field Descriptions*

Field	Description
time zone	Current time zone setting.
clock state	Synchronization state of the clock.

Table 30 *show clock detail Field Descriptions (continued)*

Field	Description
delta from reference (microsec)	Difference between the module clock and the NTP reference clock.
time of day (sec)	Current time of day in seconds.
time of day (microsec)	Current time of day in microseconds.

Related Commands

Command	Description
clock timezone	Configures the local time zone.
ntp server	Specifies the NTP server for Cisco Unity Express.
show ntp source	Displays statistics for the NTP server.

show crypto key

To display configured certificate-private key pairs, use the **show crypto key** command in Cisco Unity Express EXEC mode.

```
show crypto key {all | label label-name}
```

Syntax Description	all	Description
	all	Displays all configured certificate-private key pairs.
	label label-name	Displays characteristics of the specified certificate-private key pair. An error message appears if <i>label-name</i> does not exist.

Command Modes Cisco Unity Express EXEC

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

Examples

The following is sample output for the **show crypto key** command:

```
se-10-0-0-0# show crypto key label mainkey.ourcompany

Label name: mainkey.ourcompany [default]
Entry type:Key Entry
Creation date: Mon Jun 10 14:23:09 PDT 2002
Owner: CN=se-1-100-6-10.localdomain, OU='', O='', L='', ST='', C=''
Issuer: CN=se-1-100-6-10.localdomain, OU='', O='', L='', ST='', C=''
Valid from: Mon Jun 10 14:23:06 PDT 2002 until: Sun Sep 08 14:23:06 PDT 2002
```

[Table 31](#) describes the significant fields shown in the display.

Table 31 *show crypto key Field Descriptions*

Field	Description
Label name	Name of the certificate-key pair.
Entry type	Method of providing the certificate-key pair.
Creation date	Date the certificate-key pair was created.
Owner	Owner of the certificate-key pair.
Issuer	Issuer of the certificate-key pair.
Valid from	Dates for which the certificate-key pair is valid.

Related Commands	Command	Description
	crypto key default	Designates a certificate-private key pair as the system default.
	crypto key delete	Deletes a certificate-private key pair.

Command	Description
crypto key generate	Generates a certificate-private key pair.
crypto key import	Imports a certificate-private key pair from a console or server.

show fax configuration

To display the fax configuration, use the **show fax configuration** command in Cisco Unity Express EXEC mode.

show fax configuration

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	3.2	This command was extended to display the configuration of multiple sites.

Usage Guidelines Use the **show fax configuration** command in Cisco Unity Express EXEC mode to display the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.

Examples The following is sample output for the **show fax configuration** command if only one site is configured:

```
se-10-0-0-0# show fax configuration

Outbound Fax Gateway:      172.16.50.38
Inbound Fax Gateway:      aesopits.aesop.com
Fax Printing Number:      1111
```

The following is sample output for the **show fax configuration** command if more than one site is configured:

```
se-10-0-0-0# show fax configuration

Outbound Fax Gateway:      172.16.50.38
Inbound Fax Gateway(s):    1.100.50.39, 1.100.60.98, 1.100.50.1

Site      Fax Printing Number
Local     6111
San-jose  7854
```

[Table 32](#) describes the significant fields shown in the display.

Table 32 *show fax configuration Field Descriptions*

Field	Description
Inbound Fax Gateway:	IP address or DNS hostname of the fax gateway used to receive faxes.
Outbound Fax Gateway:	IP address or DNS hostname of the fax gateway(s) used to send faxes.
Site	Name of the site where a system-level fax number is used to print faxes.
Fax Printing Number	System-level fax number used to print faxes.

Related Commands

Command	Description
fax gateway inbound address	Configures an inbound fax gateway.
fax gateway outbound address	Configures an outbound fax gateway.

show group detail groupname

To display the configured details for a specific group, use the **show group detail groupname** command in Cisco Unity Express EXEC mode.

show group detail groupname *group-name*

Syntax Description

group-name Name of the group whose configuration details should be displayed.

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 CME 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.
7.0	This command was modified to also display information about the group's privileges, group membership, and group ownership.

Usage Guidelines

This command displays details for a group that was configured using either the Cisco Unity Express EXEC version or Cisco Unity Express configuration version of the **groupname** command.

Examples

The following is sample output for the **show group detail groupname** command:

```
se-10-0-0-0# show group detail groupname sales
Groupname           sales
Full Name:          sales
Description:
Email:
Epage:
Phone:
Phone(E.164):
Language:           en_ENU
Group Members:      <none>
User Members:       user2 user 8
Group Owners:       <none>
User Owners:        <none>
Privileges:
```

[Table 33](#) describes the significant fields shown in the display.

Table 33 *show group detail groupname Field Descriptions*

Field	Description
Groupname	Name used to configure the group.
Full Name	Full descriptive name of the group.
Description	Optional description of the group.
Email	Email privileges for this group.
Epage	Epage privileges for prompts for this group.
Group Members	Group IDs of members of this group.
User Members	User IDs of members of this group.
Group Owners	Group IDs of owners of this group.
Phone	Extension or telephone number assigned to the group.
Phone (E.164)	Complete 11-digit telephone number for the group.
Language	Language used by the group for system prompts.
User Owners	User IDs of owners of this group.
Members	User IDs of any members assigned to the group.

Related Commands

Command	Description
groupname	Configures a Cisco Unity Express group.
show groups	Displays a list of group names.
show users	Displays a list of subscriber names.
username (configuration)	Configures a Cisco Unity Express subscriber.

show group profiles

To display a list of notification profiles configured for a group, use the **show group profiles** command in Cisco Unity Express EXEC mode.

```
show group profiles groupname group-id
```

Syntax Description

groupname *group-id* ID of the group whose notification profiles are displayed.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Examples

The following are sample outputs for the **show group profiles** command:

```
se-10-0-0-0# show group profiles username sales
vm-notif-profile
```

Related Commands

Command	Description
groupname profile (phone-device)	Configures message notifications for a group's cell phone.
groupname profile email	Configures message notifications for a group's e-mail.
groupname profile num-pager	Configures message notifications for a group's numeric pager.
groupname profile text-pager	Configures message notifications for a group's text pager.

show groups

To display a list of configured groups, use the **show groups** command in Cisco Unity Express EXEC mode.

show groups

Syntax Description This command has no arguments or keywords.

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 This command displays a list of all groups that were configured using either the Cisco Unity Express EXEC version or Cisco Unity Express configuration version of the **groupname** command.

Examples The following is sample output for the **show groups** command:

```
se-10-0-0-0# show groups

Administrators
sales
tech
policy
```

Related Commands	Command	Description
	groupname	Configures a Cisco Unity Express group.
	show group detail groupname	Displays the configuration details for a specific group.
	show users	Displays a list of configured subscribers.
	username (configuration)	Configures a Cisco Unity Express subscriber.

show groups privileges

To display the privileges assigned to configured groups, use the **show groups privileges** command in Cisco Unity Express EXEC mode.

show groups privileges

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following is sample output for the **show groups privileges** command:

```
se-10-0-0-0# show groups privileges

GROUPID                                PRIVILEGES
Administrators                          superuser ManagePrompts ManagePublicList
Administrators                          ViewPrivateList
Broadcasters                             broadcast
managers                                broadcast ViewPrivateList
```

[Table 34](#) describes the significant fields shown in the display.

Table 34 *show groups privileges Field Descriptions*

Field	Description
GROUPID	ID of the group.
PRIVILEGES	Privileges assigned to the group.

Related Commands	Command	Description
	groupname	Configures Cisco Unity Express groups.

show hosts

To display information about the configured hosts, use the **show hosts** command in Cisco Unity Express EXEC mode.

show hosts

Syntax Description This command has no arguments or keywords.

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.

Examples The following is sample output for the **show hosts** command:

```
se-10-0-0-0# show hosts

Hostname:      se-10-100-6-10
Domain:        localdomain
DNS Server1:  10.100.10.130
```

[Table 35](#) describes the significant fields shown in the display.

Table 35 *show hosts Field Descriptions*

Field	Description
Hostname	Name of the Cisco Unity Express host system.
Domain	Domain name of the host.
DNS Server1	IP address of the DNS server.

Related Commands	Command	Description
	hostname	Specifies the server that stores the Cisco Unity Express applications.
	ip domain-name	Specifies the DNS domain name.
	ip name-server	Specifies the DNS server.
	ntp server	Specifies the NTP clocking server.
	show ip route	Displays IP route configurations.

show imap configuration

To display the IMAP configuration parameters, use the **show imap configuration** command in Cisco Unity Express EXEC mode.

show imap configuration

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).
	8.6	The SSL Key field was added.

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

Examples The following is sample output for the **show imap configuration** command:

```
se-10-0-0-0# show imap configuration

Status                enabled
Idle Timeout(minutes): 45
Max Sessions:         30
Security Mode:        mixed
SSL Key:              No default key defined in SSL keystore.
```

[Table 30](#) describes the significant fields shown in the display.

Table 36 *show imap configuration Field Descriptions*

Field	Description
Status	Whether the IMAP server is enabled or disabled.
Idle Timeout (minutes)	The idle timeout value for the IMAP server.
Max Sessions	The maximum sessions supported by the IMAP server.
Security Mode	The security mode setting for the IMAP server.
SSL Key	The SSL Key for the IMAP server.

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

Command	Description
maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
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 sessions	Displays all active IMAP sessions.

show imap sessions

To display a list of all active IMAP sessions, use the **show imap sessions** command in Cisco Unity Express EXEC mode.

show imap sessions

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced
3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

Examples

The following is sample output for the **show imap sessions** command:

```
se-10-0-0-0# show imap sessions
```

```
Sessions      IP Address      Connect Time      User ID
=====
  1           10.21.82.244   Wed Nov 16 01:35:02 CST 2005   group1
  2           172.18.10.10   Wed Nov 16 03:23:15 CST 2005   group5
```

[Table 37](#) describes the significant fields shown in the display.

Table 37 *show imap sessions Field Descriptions*

Field	Description
Sessions	ID number of the IMAP session.
IP Address	IP address of the IMAP session e-mail client.
Connect Time	Date and time when the IMAP session began.
User ID	User ID of the group that has access to the session.

Related Commands

Command	Description
enable (IMAP)	Enables the IMAP feature.
groupname	Configures voice-mail group parameters.
maxsessions (IMAP)	Sets the maximum number of concurrent IMAP sessions.
service imap	Enters IMAP configuration mode.

Command	Description
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 interface ide

To display the AIM usage and wear status, use the **show interface ide** command in Cisco Unity Express EXEC mode.

show interface ide *number*

Syntax Description	<i>number</i>	The disk unit number.
--------------------	---------------	-----------------------

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	1.1	This command was introduced on the Cisco Unity Express network module (NM), 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 is sample output for the **show interface ide 0** command:

```
se-10-0-0-0# show interface ide 0

IDE hd0 is up, line protocol is up
 3499 reads, 39217152 bytes
 0 read errors
51588 write, 324714496 bytes
 0 write errors
```

[Table 38](#) describes the significant fields shown in the display.

Table 38 *show interface ide 0 Field Descriptions*

Field	Description
reads	Number of times that data was read from flash memory.
bytes	Number of bytes of data that were read from flash memory.
read errors	Number of errors that occurred during the read operations.
write	Number of times that data was written into flash memory.
bytes	Number of bytes of data that were written into flash memory.
write errors	Number of errors that occurred during the write operations.

Related Commands	Command	Description
	log trace boot	Generates logging and tracing files on the AIM flash memory.

show ip route

To display the IP routing table, use the **show ip route** command in Cisco Unity Express EXEC mode.

show ip route

Syntax Description This command has no arguments or keywords.

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.

Examples

The following is sample output for the **show ip route** command:

```
se-10-0-0-0# show ip route
```

```

          DEST          GATE          MASK    IFACE
    10.0.6.0          0.0.0.0    255.255.255.0 eth1
    172.16.0.0        0.0.0.0      255.0.0.0   lo
     0.0.0.0          10.0.6.9      0.0.0.0    eth1
```

Table 39 describes the significant fields shown in the display.

Table 39 show ip route Field Descriptions

Field	Description
DEST	IP address of the destination network.
GATE	IP address of the gateway to access the destination network.
MASK	Mask for the gateway IP address.
IFACE	Interface to reach the destination network.

Related Commands

Command	Description
hostname	Specifies the server that stores the Cisco Unity Express applications.
ip domain-name	Specifies the DNS domain name.
ip name-server	Specifies the DNS server.

Command	Description
ntp server	Specifies the NTP clocking server.
show hosts	Displays all configured hosts.

show kron schedules

To display a list of kron jobs, use the **show kron schedules** command in Cisco Unity Express EXEC mode.

show kron schedules

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Examples The following example displays a list of scheduled kron jobs:

```
se-10-0-0-0# show kron schedules
Name          Schedule          Commands
krj1          Every 1 days at 12:34  show ver,sh run,conf t,host...
Total: 1
```

Table 40 describes the significant fields shown in the display.

Table 40 *show kron schedule Field Descriptions*

Field	Description
Name	The kron job name.
Schedule	When the kron job is configured to take place.
Commands	Lists the commands in the kron job.

Related Commands	Command	Description
	commands (kron schedule)	Enters the interactive mode to create the command block for a kron job.
	description (kron schedule)	Configures a description for the kron job.
	kron schedule	Creates a new kron schedule and enters kron-schedule configuration mode.
	show kron schedule detail job	Displays details of a specific kron job.

show kron schedule detail job

To display details of a kron job, use the **show kron schedule detail job** command in Cisco Unity Express EXEC mode.

show kron schedule detail job *name*

Syntax Description

name Specifies the name of the kron job.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Examples

The following example displays the detailed information about a specific kron job:

```
se-10-0-0-0# show kron schedule detail job krj1
Job Name      krj1
Description
Schedule      Every 1 days at 12:34
Last Run      NEVER
Last Result
Next Run      Feb 18, 2010 12:34
Active        from Feb 17, 2010 until INDEFINITE
Disabled
CLI Commands
              show ver
              sh run
              conf t
              hostname aaa
```

Table 41 describes the significant fields shown in the display.

Table 41 *show kron schedule detail job* Field Descriptions

Field	Description
Job Name	The kron job name.
Description	The description of the kron job.
Schedule	When the kron job is configured to take place.
Last Run	When the kron job was last run.
Last Result	The result for the last time the kron job was run.
Next Run	The next time the kron job is scheduled to run.
Active	If the kron job is active, the date for when the kron job will no longer be active.

Table 41 *show kron schedule detail job Field Descriptions (continued)*

Field	Description
Disabled	If the kron job is disabled, the date for when the kron job will no longer be disabled.
CLI Commands	Lists the commands in the kron job.

Related Commands

Command	Description
commands (kron schedule)	Enters the interactive mode to create the command block for a kron job.
description (kron schedule)	Configures a description for the kron job.
kron schedule	Creates a new kron schedule and enters kron-schedule configuration mode.
show kron schedules	Displays a list of kron jobs.

show license all

To display the summary of all the licenses installed in your system, use the **show license all** command in Cisco Unity Express EXEC mode.

show license all

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays all of the licenses installed on the module.

Examples The following is a sample output for the **show license all** command:

```
se-10-0-0-0# show license all
StoreIndex: 0 Feature: VMIVR-PORT Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 4 / 4
License Priority: Medium
License Store: Evaluation License Storage
StoreIndex: 0 Feature: VMIVR-VM-MBX Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA not accepted
Evaluation total period: 8 weeks 4 days
Evaluation period left: 8 weeks 4 days
License Count: 600 / 0
License Priority: None
License Store: Evaluation License Storage
StoreIndex: 1 Feature: VMIVR-PORT Version: 1.0
License Type: Evaluation
License State: Inactive
Evaluation total period: 8 weeks 4 days
Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: None
License Store: Evaluation License Storage
StoreIndex: 2 Feature: VMIVR-IVR-SESS Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA not accepted
Evaluation total period: 8 weeks 4 days
Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: None
```

Table 42 describes the significant fields shown in the display.

Table 42 *show license all Field Descriptions*

Field	Description
Feature Name	Displays the feature name.
License Type	Types of licenses installed on your system
License State	Licenses that are in different status such as in-use, active, expired and so on.
License Count	Number of the license.
License Priority	Priority level of the license.
Evaluation total period	Total evaluation period for the license.
Evaluation period left	Remaining evaluation period.

Related Commands

Command	Description
show license detail	Displays the details of the license installed on your system.
show license evaluation	Displays the evaluation licenses that are installed on your system.
show license expiring	Displays the expiring licenses.
show license feature	Displays the license feature information.
show license file	Displays the license file information
show license in-use	Displays information about the licenses that are in use.
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license detail

To display the details of the license installed on your system, use the **show license detail** command in Cisco Unity Express EXEC mode.

show license detail

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the detailed information of the license that is installed on your system.

Examples The following is a sample output for the **show license detail** command:

```
se-10-0-0-0# show license detail
Index: 1      Feature: TCV-USER                      Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA accepted
    Evaluation total period: 4 weeks 2 days
    Evaluation period left: 4 weeks 2 days
License Count: 2 / 0
License Priority: Low
Store Index: 4
Store Name: Primary License Storage
Index: 2      Feature: VMIVR-IVR-SESS                Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 4 / 4
License Priority: Medium
Store Index: 1
Store Name: Primary License Storage
Index: 3      Feature: VMIVR-IVR-SESS                Version: 1.0
License Type: Evaluation
License State: Inactive
    Evaluation total period: 8 weeks 4 days
    Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: None
Store Index: 2
Store Name: Evaluation License Storage
Index: 4      Feature: VMIVR-PORT                    Version: 1.0
License Type: Permanent
License State: Active, Not in Use
License Count: 6 / 0
License Priority: Medium
Store Index: 0
Store Name: Primary License Storage
```

```
Index: 5      Feature: VMIVR-PORT      Version: 1.0
License Type: Evaluation
License State: Inactive
      Evaluation total period: 8 weeks 4 days
      Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: None
Store Index: 1
Store Name: Evaluation License Storage
Index: 6      Feature: VMIVR-VM-MBX    Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 10 /10
License Priority: Medium
Store Index: 2
Store Name: Primary License Storage
Index: 7      Feature: VMIVR-VM-MBX    Version: 1.0
License Type: Evaluation
License State: Inactive
      Evaluation total period: 8 weeks 4 days
      Evaluation period left: 8 weeks 4 days
License Count: 600 / 0
License Priority: None
Store Index: 0
Store Name: Evaluation License Storage
```

Table 43 describes the significant fields shown in the display.

Table 43 *show license details Field Descriptions*

Field	Description
Feature Name	Displays the feature name.
License Type	Types of licenses installed on your system
License State	Licenses that are in different status such as in-use, active, expired and so on.
License Count	Number of the license.
License Priority	Priority level of the license.
Evaluation total period	Total evaluation period for the license.
Evaluation period left	Remaining evaluation period.

Related Commands

Command	Description
show license all	Displays the summary of all the licenses installed.
show license evaluation	Displays the evaluation licenses that are installed on your system.
show license expiring	Displays expiring licenses.
show license feature	Displays the license feature information.
show license file	Displays the license file information.
show license in-use	Displays information about the licenses that are in use.
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license evaluation

To display the evaluation licenses that are in your system, use the **show license evaluation** command in Cisco Unity Express EXEC mode.

show license evaluation

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the list of evaluation licenses.

Examples The following is a sample output for the **show license evaluation** command:

```
se-10-0-0-0# show license evaluation
StoreIndex: 0 Feature: VMIVR-VM-MBX Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA not accepted
  Evaluation total period: 8 weeks 4 days
  Evaluation period left: 8 weeks 4 days
License Count: 600 / 0
License Priority: None
StoreIndex: 1 Feature: VMIVR-PORT Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA not accepted
  Evaluation total period: 8 weeks 4 days
  Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: None
StoreIndex: 2 Feature: VMIVR-IVR-SESS Version: 1.0
License Type: Evaluation
License State: Active, Not in Use, EULA accepted
  Evaluation total period: 8 weeks 4 days
  Evaluation period left: 8 weeks 4 days
License Count: 60 / 0
License Priority: Low
```

Table 44 describes the significant fields shown in the display.

Table 44 *show license evaluation Field Descriptions*

Field	Description
Feature Name	Displays the feature name.
License Type	Types of licenses installed on your system
License State	Licenses that are in different status such as in-use, active, expired and so on.
License Count	Number of the license.
License Priority	Priority level of the license.
Evaluation total period	Total evaluation period for the license.
Evaluation period left	Remaining evaluation period.

Related Commands

Command	Description
show license all	Displays the summary of all the licenses installed.
show license detail	Displays the details of the license installed.
show license expiring	Displays expiring licenses.
show license feature	Displays the license feature information.
show license file	Displays the license file information.
show license in-use	Displays information about the licenses that are in use.
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license expiring

To display the list of expiring licenses, use the **show license expiring** command in Cisco Unity Express EXEC mode.

show license expiring

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the licenses installed in the system.

Examples The following is sample output for the **show license expiring** command:

```
se-10-0-0-0# show license expiring
StoreIndex: 4 Feature: TCV-USER Version: 1.0
  License Type: Evaluation
  License State: Active, Not in Use, EULA accepted
    Evaluation total period: 4 weeks 2 days
    Evaluation period left: 4 weeks 2 days
  License Count: 2 / 0
  License Priority: Low
StoreIndex: 0 Feature: VMIVR-VM-MBX Version: 1.0
  License Type: Evaluation
  License State: Inactive
    Evaluation total period: 8 weeks 4 days
    Evaluation period left: 8 weeks 4 days
  License Count: 600 / 0
  License Priority: None
StoreIndex: 1 Feature: VMIVR-PORT Version: 1.0
  License Type: Evaluation
  License State: Inactive
    Evaluation total period: 8 weeks 4 days
    Evaluation period left: 8 weeks 4 days
  License Count: 60 / 0
  License Priority: None
StoreIndex: 2 Feature: VMIVR-IVR-SESS Version: 1.0
  License Type: Evaluation
  License State: Inactive
    Evaluation total period: 8 weeks 4 days
    Evaluation period left: 8 weeks 4 days
  License Count: 60 / 0
  License Priority: None
```

Table 45 describes the significant fields shown in the display.

Table 45 *show license expiring Field Descriptions*

Field	Description
Feature Name	Displays the feature name.
License Type	Types of licenses installed on your system
License State	Licenses that are in different status such as in-use, active, expired and so on.
License Count	Number of the license.
License Priority	Priority level of the license.
Evaluation total period	Total evaluation period for the license.
Evaluation period left	Remaining evaluation period.

Related Commands

Command	Description
show license all	Displays the summary of all of the licenses installed.
show license detail	Displays the details of the license installed.
show license evaluation	Displays the evaluation licenses that are installed on your system.
show license feature	Displays the license feature information.
show license file	Displays the license file information.
show license in-use	Displays information about the licenses that are in use.
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license feature

To display the license feature information, use the **show license feature** command in Cisco Unity Express EXEC mode.

show license feature

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the license feature information.

Examples The following is a sample output for the **show license feature** command:

```
se-10-0-0-0# show license feature
Feature name      Enforcement  Evaluation  Clear Allowed  Enabled
VMIVR-VM-MBX     yes         yes         yes            yes
VMIVR-PORT       yes         yes         yes            no
VMIVR-IVR-SESS   yes         yes         yes            yes
```

[Table 46](#) describes the significant fields shown in the display.

Table 46 *show license feature Field Descriptions*

Field	Description
Feature Name	Displays the feature name.
Enforcement	Displays the feature enforced.
Evaluation	Displays the feature evaluation .
Clear Allowed	Displays the feature cleared
Enabled	Displays the feature enabled.

Related Commands	Command	Description
	show license all	Displays the summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the expiring licenses.
	show license file	Displays the license file information.
	show license in-use	Displays information about the licenses that are in use.

Command	Description
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license file

To display the license file information, use the **show license file** command in Cisco Unity Express EXEC mode.

show license file

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the license file information.

Examples The following is a sample output for the **show license file** command:

```
se-10-0-0-0# show license file
License Store: Primary License Storage
  Store Index: 0
    License: 11 VMIVR-PORT 1.0 LONG NORMAL STANDALONE EXCL 6_KEYS INFINITE_KEY
           S NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400 NiL
           NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB</SN>
           </UDI> FoNLii5xXuUEUf7RzaIIfcB2RUHHaUOjPWPq,rxB3K31pGw005cEnIJL3L
           jP:f,c3SyQCBTk9kgFrgdzSiHKI13705bJVWBU1gF9Yaqst,xu3lyWFNsNyAecADy
           54VkdVzV8$<WLC>AQEBIQAB//9rzm6Pj8U5mbFWba0x2KaaZrHS0HclB0gj/hL5zQ
           dv21KLwhgEocUu2YQnz237KjSRqwInXo3s+nsLU7rOtdOxoIxYZAo3LYmUJ+MFzsq
           lhKoJV1PyEvQ8H21MNUjVbhoN0gyIWsyiJam8AQIkVBQFzhr10GYo1VzdzfJfEPQI
           x6tZ++/Vtc/q3SF/5Ko8XCy=</WLC>
    Comment:
      Hash: y9IX2Jq/an2ygHUnQe228hV10xI=
    Store Index: 1
      License: 11 VMIVR-IVR-SESS 1.0 LONG NORMAL STANDALONE EXCL 4_KEYS INFINITE
             _KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400
             NiL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB<
             /SN></UDI> niOA5::7dHEH,whZuMZ7Lo,O4OyeECGbquuV26UOHE3BPRwie6my31
             C1F0PXBqfYfa6VaEqk9oNh6K7A3khWcD3KGVpBlteB53:,hcs1ScM1Vaq80RbBnpj
```

```

oSsr9c7W7qoVb$<WLC>AQEBIQAB//+eabCIAqnSzgAe5FEbPHRIDGZabcjWVg7YBu
3NpoCd6ZC04jzbzTV0f2qXmwbgtq4iRqwInXo3s+nsLU7rOtdOxoIXYZAo3LYmUJ+M
FzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYo1VzdzfJf
EPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
Comment:
  Hash: tfmjRqPKXvxwVEdthuMOeWInBRI=
Store Index: 2
License: 11 VMIVR-VM-MBX 1.0 LONG NORMAL STANDALONE EXCL 10_KEYS INFINITE_
KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400 N
iL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB</
SN></UDI> 0v7daXrzHN4RU08ya,2z3EeuTJLGnIyHVYXjRzXZ0dfxHoVYC:Nt5PN
:pnRwLRopfBQxmU6XPE9:x404tuJyzN3olExUpqZjxo2GyqvQXeCTFAEj7KQ5kmgv
LF:s:0Ej5vLi$<WLC>AQEBIQAB//+4NiqvPO0eBLwk09Vuv9sGxKIui00h43tB7n
R7NDBAOY4JHw3p9gVEbcg0uW00V+RqwInXo3s+nsLU7rOtdOxoIXYZAo3LYmUJ+MF
zsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYo1VzdzfJfE
PQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
Comment:
  Hash: 2Bu+rezuGzYh+o5ZUuJjd+dX8u8=
Store Index: 4
License: 11 TCV-USER 1.0 LONG TRIAL DISABLED 720 DISABLED STANDALONE ADD 2
_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU9
84YDTYMXMU400 NiL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><S
N>FOC11036AJB</SN></UDI> zCsNKbbXN8HnBTsPvgqULt3Low,x1YcHKRNj1x1k
GWfACr3u5cAtCKtKNWpXIo,FfBBUDNsEc5pZLs8I1xsQHi31zvSYwC0P3kWhIU31x
zUELViHive47tM2,Q0e6nc7RGL2$<WLC>AQEBIQAB//8112Xh3iHobGScTPNh69c
3AB/3/xoEpmQ0D2pG+gMeaD1AyNPqCSJrebI9DKzDWRqwInXo3s+nsLU7rOtdOxo
IXYZAo3LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzh
r10GYo1VzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
Comment: test
  Hash: wOrt2FbpILlU2GD6z2GQmyqtXc8=
cense Store: Evaluation License Storage
Store Index: 0
License: 11 VMIVR-VM-MBX 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALONE
ADD 600_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL
Ni NiL NiL 5_MINS NiL gJ1FlssZ39TgvQDH8Fu93Cdz1kXs8LHaiGCsOwLM8GL
WYKOyiM9rRhOmFuBMauv1f8$<WLC>AQEBIQAB//8ZAAA04VppVZrShktc98KWZok
rD+2kyDqago7pv0309Qaf+ySGcEDwfkPFouHEVCRqwInXo3s+nsLU7rOtdOxoIXYZ
Ao3LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10G
YolVzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
Comment:

```

show license file

```

Hash: /Peb+gBMyhTktTWA2xsHtWUe9iHM=
Store Index: 1
License: 11 VMIVR-PORT 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALONE AD

D 60_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL Ni
NiL NiL 5_MINS NiL KlvQ,vhWuiuWkoq4CKCGVaViNEhi9Tt72vuPW:sEQgfr6j
rvWSojAXLyaNzK1pHgVv$<WLC>AQEBIQAB//93kd6S0MKNohzwFzTUDFlx8Ys45Bt
qQ4iRE1oDDQqlSLZ2J71KBREvSjneke96j6RqwInXo3s+nsLU7rOtdOxoIxYZAo3
LYmUJ+MFzsq1hKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJam8AQIkVBQFzhr10GYo1
VzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCy=</WLC>
Comment:
Hash: Ni60pM89C108EOKyEJDvVv0wy+M=
Store Index: 2
License: 11 VMIVR-IVR-SESS 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALON

E ADD 60_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL
Ni NiL NiL 5_MINS NiL tmJX8w,cjZmVzFZ0ePsQft4Cj3aHw7o65rAwYPKKWl
fctrsZFX7JfHMuIoDpqsidfK$<WLC>AQEBIQAB//+vZvtu3GzCrcjMglMFaK3oeTB
7QpwrJjR2i09Ek2ihOwIzp5XYvxYQIYV1FT6SBjaRqwInXo3s+nsLU7rOtdOxoIxY
ZAo3LYmUJ+MFzsq1hKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJam8AQIkVBQFzhr10
GYo1VzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCy=</WLC>
Comment:
Hash: UvjvV3v0Pfg1cfxN00YSM9pY+LA=

xsessions 8

end

```

Related Commands

Command	Description
show license all	Displays the summary of all of the licenses installed.
show license detail	Displays the details of the license installed.
show license evaluation	Displays the evaluation licenses that are installed on your system.
show license expiring	Displays the expiring licenses.
show license in-use	Displays information about the licenses that are in use.
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license in-use

To display information about the licenses that are in use on your module, use the **show license in-use** command in Cisco Unity Express EXEC mode.

show license in-use

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the list of licenses currently marked as in-use.

Examples The following is a sample output for the **show license in-use** command:

```
se-10-0-0-0# show license in-use
StoreIndex: 0 Feature: VMIVR-PORT Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 4 /4
License Priority: Medium
StoreIndex: 1 Feature: VMIVR-VM-MBX Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 5 /5
License Priority: Medium
```

[Table 47](#) describes the significant fields shown in the display.

Table 47 *show license in-use Field Descriptions*

Field	Description
License Type	Types of licenses installed on your system
License State	Licenses that are in different status such as in-use, active, expired and so on.
License Count	Number of the license.
License Priority	Priority level of the license.
Evaluation total period	Total evaluation period for the license.
Evaluation period left	Remaining evaluation period.

Related Commands	Command	Description
	show license all	Displays a summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the expiring licenses.
	show license file	Displays the license file information.
	show license status	Displays the status of the licenses installed.
	show license status application	Displays the status of the license applications installed.

show license permanent

To display the list of permanent licenses that are installed on your system, use the **show license permanent** command in Cisco Unity Express EXEC mode.

show license permanent

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the list of permanent licenses.

Examples The following is a sample output for the **show license permanent** command:

```
se-10-0-0-0# show license permanent
StoreIndex: 0 Feature: VMIVR-PORT Version: 1.0
License Type: Permanent
License State: Active, Not in Use
License Count: 6 / 0
License Priority: Medium
StoreIndex: 1 Feature: VMIVR-IVR-SESS Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 4 /4
License Priority: Medium
StoreIndex: 2 Feature: VMIVR-VM-MBX Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 10 /10
License Priority: Medium
```

Related Commands	Command	Description
	show license all	Displays a summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the expiring licenses.
	show license file	Displays the license file information
	show license in-use	Displays information about the licenses that are in use.
	show license status	Displays the status of the licenses installed.

show license statistics

To display the statistics of license agent actions, use the **show license statistics** command in Cisco Unity Express EXEC mode.

show license statistics

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the statistics of license agent actions.

Examples The following is a sample output for the **show license statistics** command:

```
se-10-0-0-0# show license statistics
      Administrative statistics
Install success count:      0
Install failure count:     0
Install duplicate count:   0
Comment add count:        1
Comment delete count:     0
Clear count:               0
Save count:                1
Save cred count:          0

      Client status
Request success count      2
Request failure count      0
Release count              0
Global Notify count       1
```

Related Commands	Command	Description
	show license all	Displays a summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the expiring licenses.
	show license file	Displays the license file information.
	show license in-use	Displays information about the licenses that are in use.

Command	Description
show license status	Displays the status of the licenses installed.
show license status application	Displays the status of the license applications installed.

show license status

To display the license status information, use the **show license status** command in Cisco Unity Express EXEC mode.

show license status

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the license status information..

Examples The following is a sample output for the **show license status** command:

```
se-10-0-0-0# show license status
      License Type Supported
permanent Non-expiring node locked license
extension Expiring node locked license
evaluation Expiring non node locked license

      License Operation Supported
install   Install license
clear     Clear license
annotate  Comment license
save      Save license
modify    Modify license priority
revoke    Revoke license

      Device status
Device Credential type: IMAGE
Device Credential Verification: PASS
Rehost Type: DC_OR_IC
```

Related Commands	Command	Description
	show license all	Displays the summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the list of expiring licenses.
	show license file	Displays the license file information.

Command	Description
show license in-use	Displays information about the licenses that are in use.
show license status application	Displays the status of the license applications installed.

show license status application

To display the status of the license applications installed, use the **show license status application** command in Cisco Unity Express EXEC mode.

show license status application [ivr | ports | timecardview | voicemail]

Syntax Description

ivr	Displays the IVR license status.
ports	Displays the port license status.
timecardview	Displays the TimecardView license status.
voicemail	Displays the voicemail license status.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command displays the status of license applications installed in the system. If no keyword is specified, then the status of all installed license applications is displayed.

Examples

The following example displays license status information for all applications.

```
se-10-0-0-0# show license status application
voicemail disabled, no activated mailbox license available
ivr disabled, no activated ivr session license available
```

```
se-10-0-0-0# show license status application
voicemail enabled: 4 ports, 4 sessions, 5 mailboxes
ivr disabled, no activated ivr session license available
```

The following examples work only in an IVR configuration:

```
se-10-0-0-0# show license status application
voicemail disabled, ivr session quantity (4) is equal to or exceeds available ports (4)
ivr enabled: 4 sessions
```

```
se-10-0-0-0# show license status application
voicemail enabled: 6 ports, 2 sessions, 5 mailboxes
ivr enabled, 4 sessions
```

The following is sample output for the **show license status application ivr** command:

```
se-10-0-0-0# show license status application ivr
ivr enabled, 4 sessions
```

The following example displays TimeCardView license status information only:

```
se-10-0-0-0# show license status application timecardview
tcv enabled: 4 users
```

The following example displays voicemail license status information only:

```
se-10-0-0-0# show license status application voicemail
voicemail enabled: 6 ports, 2 sessions, 5 mailboxes
```

Related Commands	Command	Description
	show license all	Displays the summary of all of the licenses installed.
	show license detail	Displays the details of the license installed.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license feature	Displays the license feature information.
	show license file	Displays the license file information.
	show license in-use	Displays information about the licenses that are in use.
	show license status	Displays the status of the licenses installed.

show license udi

To display the licensable UDI values on the service module of the system, use the **show license udi** command in Cisco Unity Express EXEC mode.

show license udi

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines This command displays the udi license information. The UDI is printed on a label located on the back of most Cisco hardware devices or on a label tray visible on the front panel of field-replaceable motherboards.

Examples The following is sample output for the **show license udi** command:

```
se-10-0-0-0# show license udi
Device# PID                SN                UDI
-----
*0      NME-CUE                FOC11036AJB     NME-CUE:FOC11036A
JB
```

Related Commands	Command	Description
	show license all	Displays a summary of all of the licenses installed on your module.
	show license detail	Displays the details of the license installed on your system.
	show license evaluation	Displays the evaluation licenses that are installed on your system.
	show license expiring	Displays the list of expiring licenses.
	show license file	Displays the license file information.
	show license in-use	Displays information about the licenses that are in use.
	show license status application	Displays the status of the licenses installed.

show lists detail private

To display details of a specific private distribution list for a specific subscriber, use the **show lists detail private** command in the Cisco Unity Express EXEC mode.

```
show lists detail private {name list-name | number list-number} owner owner-id
```

Syntax Description

name <i>list-name</i>	Name of the private distribution list.
number <i>list-number</i>	Number of the private distribution list.
owner <i>owner-id</i>	Name of the list owner.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modifications
2.1	This command was introduced.
3.2	This command was extended to display numbers which belong to Non Subscribers . The type of the phone number is displayed as Non-Subscriber.

Usage Guidelines

An error message appears if the list name, number, or owner does not exist.

The command displays the list number, list name, list type, description, owners, and members with their type categories.

The list owner and local subscribers who are members of the ViewPrivateList or Administrators groups can view the private lists that belong to a particular subscriber.

Examples

The following is sample output for the **show lists detail private** command:

```
se-10-0-0-0# show lists detail private name projectteam owner user23

Number: 4
Name: projectteam
Type: Private
Description:
Owner:
    user23
Members:
    tech1 user
    tech2 user
    testers group
    tech10 remote
    6177712177 non-subscriber
```

The **show lists detail private number 4 owner user23** command would display the same output as shown above.

Table 48 describes the significant fields shown in the display.

Table 48 *show lists detail private Field Descriptions*

Field	Description
Number:	ID number of the list.
Name:	Name of the list.
Type:	Type of list.
Description:	Description of the list.
Owners:	User IDs of each owner of the list.
Members:	User IDs of each member of the list.

Related Commands

Command	Description
show lists detail public	Displays the details of a specified public distribution list.
show lists owner	Displays all the public and private distribution lists for a specified owner.
show lists public	Displays all public distribution lists on the local system.

show lists detail public

To display details of a specific public distribution list on the local system, use the **show lists detail public** command in the Cisco Unity Express EXEC mode.

```
show lists detail public {name list-name | number list-number}
```

Syntax Description

name <i>list-name</i>	Name of the public distribution list.
number <i>list-number</i>	Number of the public distribution list.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modifications
2.1	This command was introduced.
3.2	This command was extended to display numbers which belong to Non Subscribers . The type of the phone number is displayed as Non-Subscriber.

Usage Guidelines

An error message appears if the list name or number does not exist.

The command displays the list number, list name, list type, owners, and members with their type categories.

Examples

The following is sample output from the **show lists detail public** command:

```
se-10-0-0-0# show lists detail public name engineers

Number: 5
Name: engineers
Type: Public
Description:
Owners:
    user23 user
    progmgrs group
Members:
    user23 user
    user30 user
    betamgrs group
    techs gdm
    tech25 remote
    nyc5555 blind
    6177712177 non-subscriber
```

The **show list detail public number 5** command would display the same output as shown above.

[Table 49](#) describes the significant fields shown in the display.

Table 49 *show lists detail public Field Descriptions*

Field	Description
Number:	ID number of the list.
Name:	Name of the list.
Type:	Type of list.
Description:	Description of the list.
Owners:	User ID of each owner of the list.
Members:	User ID of each member of the list.

Related Commands

Command	Description
show lists detail private	Displays the details of the private distribution lists for a specified owner.
show lists owner	Displays all the public and private distribution lists for a specified owner.
show lists public	Displays all public distribution lists on the local system.

show lists owner

To display all the private and public distribution lists for a specific owner, use the **show lists owner** command in Cisco Unity Express EXEC mode.

```
show lists owner owner-id
```

Syntax Description	<i>owner-id</i> Name of the subscriber or group that owns the distribution list.
---------------------------	--

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modifications
	2.1	This command was introduced.

Usage Guidelines	<p>An error message appears if the owner does not exist.</p> <p>The lists appear in alphabetical order, private lists followed by public lists. The command displays the number, name, and type for each list.</p>
-------------------------	--

Examples The following is sample output for the **show lists owner** command:

```
se-10-0-0-0# show lists owner user23

Owner: user23
  List Number   List Name      List Type
  4             projectteam   Private List
  5             engineers     Public List
  25            managers     Public List
```

[Table 50](#) describes the significant fields shown in the display.

Table 50 *show lists owner Field Descriptions*

Field	Description
Owner:	User ID of the list owner.
List Number	ID number of the list.
List Name	Name of the list.
List Type	Type of list.

Related Commands	Command	Description
	show lists detail private	Displays the details of the private distribution lists for a specified owner.
	show lists detail public	Displays the details of a specified public distribution list.
	show lists public	Displays all public distribution lists on the local system.

show lists public

To display all the public distribution lists on the local system, use the **show lists public** command in Cisco Unity Express EXEC mode.

show lists public

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modifications
	2.1	This command was introduced.

Usage Guidelines The command displays the lists in alphabetical order with each list name, number, and type, followed by the details of each list.

Examples The following is sample output for the **show lists public** command:

```
se-10-0-0-0# show lists public

List number          List Name          Type
5                   engineers         Public
9999                everyone          Public
Number: 5
Name: engineers
Type: Public
Description:
Owners:
    user23          Local User
    progmgrs        Group
Members:
    user23          Local User
    user30          Local User
    progmgrs        Group
    techs           General Delivery Mailbox
    tech25          Remote User
    nyc5555         Blind Address
```

The system does not display the details of the **everyone** list.

[Table 51](#) describes the significant fields shown in the display.

Table 51 *show lists public Field Descriptions*

Field	Description
List number	ID number of the list.
List Name	Name of the list.

Table 51 *show lists public Field Descriptions (continued)*

Field	Description
Type	Type of list.
Description:	Description of the list.
Owners:	User ID and type of owner for each owner of the list.
Members:	User ID and type of member for each member of the list.

Related Commands

Command	Description
show lists detail private	Displays the details of the private distribution lists for a specified owner.
show lists detail public	Displays the details of a specified public distribution list.
show lists owner	Displays all the public and private distribution lists for a specified owner.

show log

To display logging data, use the **show log** command in Cisco Unity Express EXEC mode.

show log name *name* [containing *expression* | paged | tail]

Syntax Description	name <i>name</i>	The name of the log file to display. Use the show logs command to display a list of available log files.
	containing <i>expression</i>	(Optional) Only display events that match a search expression.
	paged	(Optional) Display in paged mode.
	tail	(Optional) Display the latest events as they occur.

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 See the “Related Commands” section for filtering options.

Examples The following is partial output for the **show log** command that displays the dmesg log:

```
se-10-0-0-0# show log name dmesg

Press <CTRL-C> to exit...
Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (release4
Platform: nm
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
BIOS-provided physical RAM map:
 BIOS-e820: 0000000000000000 - 000000000009f400 (usable)
 BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)
 BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)
 BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)
 BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)
 BIOS-e820: 0000000001000000 - 000000000f580000 (usable)
 BIOS-e820: 000000000f580000 - 000000000f600000 (reserved)
 BIOS-e820: 000000000f600000 - 0000000010000000 (reserved)
 BIOS-e820: 00000000fff00000 - 0000000100000000 (reserved)
245MB LOWMEM available.
```

```

On node 0 totalpages: 62848
zone(0): 4096 pages.
zone(1): 58752 pages.
zone(2): 0 pages.
DMI not present.
Kernel command line: root=/dev/hda1 ro plat=nm
Initializing CPU#0
Detected 498.674 MHz processor.
Calibrating delay loop... 996.14 BogoMIPS
Memory: 245128k/251392k available (1164k kernel code, 4852k reserved, 667k data)
kdb version 4.3 by Keith Owens, Scott Lurndal. Copyright SGI, All Rights Reserved
in atrace_init
log_head: h: 0, t: 8429274, l: 0, w: 0, s: 10484672
Using existing trace log
log_head: h: 0, t: 8429274, l: 0, w: 0, s: 10484672
Dentry cache hash table entries: 32768 (order: 6, 262144 bytes)
Inode cache hash table entries: 16384 (order: 5, 131072 bytes)
Mount cache hash table entries: 512 (order: 0, 4096 bytes)
Buffer cache hash table entries: 16384 (order: 4, 65536 bytes)
Page-cache hash table entries: 65536 (order: 6, 262144 bytes)
CPU: L1 I cache: 16K, L1 D cache: 16K
CPU: L2 cache: 256K
CPU serial number disabled.
.
.
.

```

The following is sample output for the **show log** command that displays the dmesg log using a search string:

```
se-10-0-0-0# show log name dmesg containing setup
```

```

Press <CTRL-C> to exit...
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
se-10-0-0-0#

```

The following is partial output for the **show log** command that displays the dmesg log in paged mode:

```

se-10-0-0-0# show log name dmesg paged

Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (release
)) #1 Tue Nov 30 23:07:21 PST 2004
Platform: nm
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
BIOS-provided physical RAM map:
  BIOS-e820: 0000000000000000 - 000000000009f400 (usable)
  BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)
  BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)
  BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)
  BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)
  BIOS-e820: 0000000001000000 - 0000000000f580000 (usable)
  BIOS-e820: 0000000000f580000 - 0000000000f600000 (reserved)
  BIOS-e820: 0000000000f600000 - 00000000010000000 (reserved)
  BIOS-e820: 000000000fff00000 - 0000000100000000 (reserved)
245MB LOWMEM available.
On node 0 totalpages: 62848
zone(0): 4096 pages.
zone(1): 58752 pages.
zone(2): 0 pages.
DMI not present.

```

```
Kernel command line: root=/dev/hda1 ro plat=nm
Initializing CPU#0
-- More --
```

The following is the output for the **show log** command that displays the current dmesg log as events are being entered:

```
se-10-0-0-0# show log name dmesg tail
```

```
Press <CTRL-C> to exit...
Freeing unused kernel memory: 88k freed
```

The following is partial output for the **show log** command that displays the dmesg log beginning with the first line starting with **ide0**:

```
se-10-0-0-0# show log name dmesg | begin ide0

    ide0: BM-DMA at 0xfc00-0xfc07, BIOS settings: hda:pio, hdb:pio
    ide1: BM-DMA at 0xfc08-0xfc0f, BIOS settings: hdc:pio, hdd:pio
hda: C/H/S=50127/232/176 from BIOS ignored
hdb: C/H/S=0/0/0 from BIOS ignored
hda: IC25N020ATMR04-0, ATA DISK drive
blk: queue c030c160, I/O limit 4095Mb (mask 0xffffffff)
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
hda: attached ide-disk driver.
hda: host protected area => 1
hda: 39070080 sectors (20004 MB) w/1740KiB Cache, CHS=2432/255/63, UDMA(33)
init unit number == 0
.
.
.
```

Related Commands

Command	Description
show begin	Begins the output of any show command from a specified string.
show exclude	Filters show command output so that it excludes lines that contain a particular regular expression.
show include	Filters show command output so that it displays only lines that contain a particular regular expression.
show logs	Displays the list of available logs.

show logging

To show the types of messages that are displayed on the console, use the **show logging** command in Cisco Unity Express EXEC mode.

show logging

Syntax Description This command has no arguments or keywords.

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 See the “Related Commands” section for filtering options.

Examples The following displays the output for the **show logging** command when errors and fatal messages are displayed on the console.

```
se-10-0-0-0# show logging

info:      off
warning:   off
errors:    on
fatal:     on
```

Console Filter Info:

```
MODULE          ENTITY          ACTIVITY        FILTER

No filter active
```

The following displays the output for the **show logging** command when errors, fatal messages, and ccn engine messages are displayed on the console.

```
se-10-0-0-0# show logging

info:      off
warning:   off
errors:    on
fatal:     on
```

■ show logging

Console Filter Info:

MODULE	ENTITY	ACTIVITY	FILTER
ccn	Engine	XDBG	
ccn	Engine	DEBUG	

The following example displays show logging output when an external syslog server is configured:

```
se-10-0-0-0# show logging
```

```
info:      off
warning:   off
errors:    off
fatal:     on
```

Monitored event Info:

MODULE	ENTITY	ACTIVITY	FILTER
--------	--------	----------	--------

No monitored events active

Server Info:

Log server address: 10.187.240.31

Related Commands

Command	Description
log console	Specifies the types of messages displayed on the console.
show begin	Begins the output of any show command from a specified string.
show exclude	Filters show command output so that it excludes lines that contain a particular regular expression.
show include	Filters show command output so that it displays only lines that contain a particular regular expression.

show logs

To show the existing log files on the CUE module, use the **show logs** command in Cisco Unity Express EXEC mode.

show logs

Syntax Description

This command has no arguments or keywords.

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

See the “Related Commands” section for filtering options.

Examples

The following example is a sample list of log files available on the system:

```
se-10-0-0-0# show logs

install.log
dmesg
syslog.log
atrace_save.log
atrace.log
klog.log
messages.log
root_heapdump2749.1023408628.txt
```

Related Commands

Command	Description
log trace boot	Configures trace logging options.
show begin	Begins the output of any show command from a specified string.
show exclude	Filters show command output so that it excludes lines that contain a particular regular expression.
show include	Filters show command output so that it displays only lines that contain a particular regular expression.

show memory

To display memory information for the CUE module, use the **show memory** command in Cisco Unity Express EXEC mode.

show memory

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Examples The following example shows detailed information about the memory on the CUE network module:

```
se-10-0-0-0# show memory

Total Memory (kB):          245216
Active Memory (kB):         23728
Inactive Memory (kB):       196620
Other Memory (kB):          19760
MemoryPool (kB):            5108

Kernel Memory
TOTAL    INUSE    MAXUSED    ERR TYPE
 5768    5368    6795      0 fs
 7040    6828    7499      0 other
  156    100     186      0 net
```

[Table 52](#) describes the significant fields shown in the display.

Table 52 *show memory Field Descriptions*

Field	Description
Total Memory (kB)	The total amount of memory available to the kernel. Note Some of the physical memory may be reserved and therefore not included in this number.
Active Memory (kB)	The portion of process memory accessed recently by code somewhere in the system.
Inactive Memory (kB)	The portion of process memory that has not been accessed recently.
Other Memory (kB)	Memory allocated for nonprocess use.
MemoryPool (kB)	Memory not allocated for any use.
Kernel Memory	
TOTAL	The amount of memory reserved for this type.

Table 52 *show memory Field Descriptions (continued)*

Field	Description
INUSE	The portion of the reserved memory that is currently being used.
MAXUSED	The peak INUSE value since the last reboot.
ERR	The number of times allocations for this use have failed.
TYPE	There are three types possible: <ul style="list-style-type: none"> • fs—File system • net—Network protocols • other—All other types

Related Commands

Command	Description
show processes	Displays subsystem status and statistics for the CUE module.

show messaging-gateway

To display the details associated with the registration of the messaging gateway, use the **show messaging-gateway** command in Cisco Unity Express EXEC mode.

show messaging-gateway

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.1	This command was introduced.

Usage Guidelines This command shows the status of the primary and secondary gateways and whether autoregistration and the ability to lookup phone numbers in the remote directory are enabled.

Examples The following example shows output from this command:

```
se-10-0-0-0# show messaging-gateway

Messaging gateways :

AutoRegister to gateway(s) : Enabled
Remote directory lookup : Enabled (with TUI prompt)

Primary messaging gateway :
 1.100.50.100(80)
Status : Registered (Tue Aug 21 17:09:08 PDT 2006)
Reg-expiration : Wed Aug 22 17:09:08 PDT 2006
Default route : Yes
Location-id : 1234
Reg-id : 1234
Reg-password : (Not displayed)
Retry-interval : 10 minute(s)

Secondary messaging gateway :
  Status : Not Configured
```

Table 53 *show network detail location id Field Descriptions*

Field	Description
AutoRegister to gateway(s) :	Whether autoregistration is enabled.
Remote directory lookup :	Whether the ability to lookup phone numbers in the remote directory is enabled.

Table 53 *show network detail location id Field Descriptions (continued)*

Field	Description
Primary messaging gateway :	Configuration status of the primary messaging gateway
Secondary messaging gateway:	Configuration status of the secondary messaging gateway

Related Commands

Command	Description
messaging-gateway	Specifies the location ID and IP address for the primary or secondary messaging gateway.
messaging-gateway registration	Causes the endpoint (Cisco Unity Express) to send a registration message to its messaging gateway.

show network detail local

To display network information for the local Cisco Unity Express location, use the **show network detail local** command in Cisco Unity Express EXEC mode.

show network detail local

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.0	This command was introduced.
	2.1	Broadcast message and vCard information was added to the display.

Usage Guidelines Use this command to display information about the local Cisco Unity Express site, including the location ID, name, abbreviation, e-mail domain, minimum and maximum extension lengths, phone prefix, VPIM encoding type, if spoken name is enabled, status of vCard enabling, the VPIM broadcast message ID, and the number of messages sent and received.

Examples The following example shows detailed information about the local Cisco Unity Express site called “San JoseCA”:

```
se-10-0-0-0# show network detail local

Location ID:          10
Name:                 SanJoseCA
Abbreviation:         sjc
Email domain:         sjc.cue.abcdef.com
Minimum extension length: 2
Maximum extension length: 15
Phone prefix:
VPIM encoding:        G726
Send spoken name:     enabled
Send vCard:           enabled
State:                enabled
VPIM broadcast ID:    vpim-broadcast
Sent msg count:       0
Received msg count:   0
```

[Table 54](#) describes the significant fields shown in the display.

Table 54 *show network detail local Field Descriptions*

Field	Description
Location ID:	Location ID for the local network.
Name:	Name of the local location.

Table 54 *show network detail local Field Descriptions*

Field	Description
Abbreviation:	Abbreviated name of the remote location.
Email domain:	E-mail domain name for the remote location.
Minimum extension length:	Minimum number of digits for extensions at this location.
Maximum extension length:	Maximum number of digits for extensions at this location.
Phone prefix:	Prefix for dialing an extension at this location.
VPIM encoding:	Type of VPIM encoding for this location.
Send spoken name:	Status of whether this location can send spoken names for subscribers.
Send vCard:	Status of whether this location can send vCard information for subscribers.
State:	Status of the remote location to send and receive messages.
VPIM broadcast ID:	VPIM broadcast ID for this location.
Sent msg count:	Number of messages sent to this location.
Received msg count:	Number of messages received from this location.

Related Commands

Command	Description
show network detail location id	Displays network information for a specified Cisco Unity Express location ID.

show network detail location id

To display network information for a specified Cisco Unity Express location ID, use the **show network detail location id** command in Cisco Unity Express EXEC mode.

show network detail location id *number*

Syntax Description	<i>number</i>	ID number of the Cisco Unity Express network location.
---------------------------	---------------	--

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	2.0	This command was introduced.
	2.1	Broadcast message and voice card information was added to the display.
	3.0	This command was extended to also display the digits prepended to the calling number rule for the live-reply feature.

Usage Guidelines	This command provides detailed information about the specified Cisco Unity Express location, including the name, abbreviation, e-mail domain, minimum and maximum extension lengths, phone prefix, VPIM encoding type, if spoken name is enabled, voice card enable status, broadcast message status, the number of messages sent and received, and the digits prepended to the calling number rule.
-------------------------	--

Examples	The following example shows information about the remote Cisco Unity Express location with the ID of 102:
-----------------	---

```
se-10-0-0-0# show network detail location id 102
```

```
Name:                Dallas/Fort Worth
Abbreviation:        DFW
Email domain:        dfw.mycompany.com
Minimum extension length: 2
Maximum extension length: 15
Phone prefix:        4
VPIM encoding:       dynamic
Send spoken name:    enabled
Send vCard:          enabled
State:               enabled
VPIM broadcast ID:   vpim-broadcast
Sent msg count:      0
Received msg count:  0
Live-reply calling number rule prepend: 91
```

[Table 55](#) describes the significant fields shown in the display.

Table 55 *show network detail location id Field Descriptions*

Field	Description
Name:	Name of the remote location.
Abbreviation:	Abbreviated name of the remote location.
Email domain:	E-mail domain name for the remote location.
Minimum extension length:	Minimum number of digits for extensions at this location.
Maximum extension length:	Maximum number of digits for extensions at this location.
Phone prefix:	Prefix for dialing an extension at this location.
VPIM encoding:	Type of VPIM encoding for this location.
Send spoken name:	Status of whether this location can send spoken names for subscribers.
Send vCard:	Status of whether this location can send voice card information for subscribers.
State:	Status of the remote location to send and receive messages.
VPIM broadcast ID:	VPIM broadcast ID for this location.
Sent msg count:	Number of messages sent to this location.
Received msg count:	Number of messages received from this location.
Live-reply calling number rule prepend:	Digits prepended to the calling number rule.

Related Commands

Command	Description
show network detail local	Displays network information for the local Cisco Unity Express location.

show network locations

To display information about Cisco Unity Express locations, use the **show network locations** command in Cisco Unity Express EXEC mode.

show network locations

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines Use this command to verify the location ID, name, abbreviation, and domain name for each configured Cisco Unity Express network location.

Examples The following example shows the network locations for a Cisco Unity Express system:

```
se-10-0-0-0# show network locations
```

ID	NAME	ABBREV	DOMAIN
101	'San Jose'	SJC	sjc.mycompany.com
102	'Dallas/Fort Worth'	DFW	dfw.mycompany.com
201	'Los Angeles'	LAX	lax.mycompany.com
202	'Canada'	CAN	can.mycompany.com
301	'Chicago'	CHI	chi.mycompany.com
302	'New York'	NYC	nyc.mycompany.com
401	'Bangalore'	BAN	bang.mycompany.com

Related Commands	Command	Description
	show network detail local	Displays network information for the local Cisco Unity Express location.
	show network detail location id	Displays network information for a specified Cisco Unity Express location ID.

show network locations cached

To display information about all remote location entries cached on Cisco Unity Express, use the **show network locations cached** command in Cisco Unity Express EXEC mode.

show network locations cached

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.1	This command was introduced.

Usage Guidelines Use this command to verify the location ID, name, abbreviation, and domain name for each remote network location on cached Cisco Unity Express.

Examples The following example shows the remote network location entries cached on a Cisco Unity Express system:

```
se-10-0-0-0# show network locations cached
```

ID	NAME	ABBREV	DOMAIN
101	'San Jose'	SJC	sjc.mycompany.com
102	'Dallas/Fort Worth'	DFW	dfw.mycompany.com
201	'Los Angeles'	LAX	lax.mycompany.com
202	'Canada'	CAN	can.mycompany.com
301	'Chicago'	CHI	chi.mycompany.com
302	'New York'	NYC	nyc.mycompany.com
401	'Bangalore'	BAN	bang.mycompany.com

Related Commands	Command	Description
	show network detail local	Displays network information for the local Cisco Unity Express location.
	show network detail location id	Displays network information for a specified Cisco Unity Express location ID.
	show network locations configured	Displays information about all remote location entries configured on Cisco Unity Express.

show network locations configured

To display information about all remote location entries configured on Cisco Unity Express, use the **show network locations configured** command in Cisco Unity Express EXEC mode.

show network locations configured

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.1	This command was introduced.

Usage Guidelines Use this command to verify the location ID, name, abbreviation, and domain name for each remote network location configured on Cisco Unity Express. This command replaces the existing **show network locations** command.

Examples The following example shows the remote network locations configured for a Cisco Unity Express system:

```
se-10-0-0-0# show network locations configured
```

ID	NAME	ABBREV	DOMAIN
101	'San Jose'	SJC	sjc.mycompany.com
102	'Dallas/Fort Worth'	DFW	dfw.mycompany.com
201	'Los Angeles'	LAX	lax.mycompany.com
202	'Canada'	CAN	can.mycompany.com
301	'Chicago'	CHI	chi.mycompany.com
302	'New York'	NYC	nyc.mycompany.com
401	'Bangalore'	BAN	bang.mycompany.com

Related Commands	Command	Description
	show network detail local	Displays network information for the local Cisco Unity Express location.
	show network detail location id	Displays network information for a specified Cisco Unity Express location ID.
	show network locations cached	Displays information about all remote location entries cached on Cisco Unity Express.

show network queues

To display information about messages in the outgoing queue on a Cisco Unity Express system, use the **show network queues** command in Cisco Unity Express EXEC mode.

show network queues

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines The queue information contains three displays: one for running job queue information, one for urgent job queue information, and one for normal job queue information.

Examples The following example shows output from the **show network queues** command:

```
se-10-0-0-0# show network queues

Running Job Queue
=====

ID      TYPE TIME          RETRY SENDER          RECIPIENT
107     VPIM 06:13:26      20    jennifer        1001@sjc.mycompany.com
106     VPIM 06:28:25      20    jennifer        1001@sjc.mycompany.com

Urgent Job Queue
=====

ID      TYPE TIME          RETRY SENDER          RECIPIENT
123     VPIM 16:33:39      1     andy            9003@lax.mycompany.com

Normal Job Queue
=====

ID      TYPE TIME          RETRY SENDER          RECIPIENT
122     VPIM 16:33:23      1     andy            9001@lax.mycompany.com
124     VPIM 16:34:28      1     andy            9003@lax.mycompany.com
125     VPIM 16:34:57      1     andy            9002@lax.mycompany.com
```

[Table 56](#) describes the significant fields shown in the display.

Table 56 *show network queues Field Descriptions*

Field	Description
ID	ID of the message job in the queue.
TYPE	Type of job.
TIME	Time the job entered the queue.
RETRY	Number of retries to send the message to the recipient.
SENDER	User ID of the message sender.
RECIPIENT	User ID of the recipient of the message.

Related Commands

Command	Description
show network locations	Displays information about Cisco Unity Express network locations.

show notification configuration

To display the configured thresholds for SNMP notifications, use the **show notification configuration** command in Cisco Unity Express EXEC mode.

show notification configuration

Syntax Description This command has no arguments or keywords.

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.

Examples The following example shows output from the **show notification configuration** command:

```
se-10-0-0-0# show notification configuration
```

```
Login user threshold:      10    (errors within a 5 minute interval)
Login password threshold:  30    (errors within a 5 minute interval)
PIN uid threshold:        12    (errors within a 5 minute interval)
PIN password threshold:   8     (errors within a 5 minute interval)
PIN reset threshold:      3     (resets within a 5 minute interval)
```

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 ntp servers	Displays the configured SNMP information.

show ntp associations

To display the association identifier and status for all Network Time Protocol (NTP) servers, use the **show ntp associations** command in Cisco Unity Express EXEC mode.

```
show ntp associations [assoc-id association-id]
```

Syntax Description	assoc-id <i>association-id</i> (Optional) Displays detailed information about the specified association ID.
---------------------------	--

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	1.1.2	This command was introduced on the Cisco Unity Express network module (NM) and the advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express. Note A similar Cisco IOS command was introduced in Cisco IOS Release 10.0.

Usage Guidelines The **show ntp associations** command displays the association identifier and status for all the NTP servers configured for Cisco Unity Express but does not provide detailed information about the servers. The **show ntp associations assoc-id association-id** command provides detailed information on the status of a specified NTP server.

Use the status field to determine the configuration and status of all the NTP servers. This field consists of 4 hexadecimal digits:

- The first two digits specify the server configuration and how far it progressed through the clock selection process. See [Table 57](#).
- The second two digits indicate the number of events and the type of the last event. See [Table 58](#).

[Table 57](#) shows common status codes and their meanings. The first digit specifies the configuration, reachability, and authentication status for the specified server. The second digit records how well the specified server passed through the clock selection algorithm.

Table 57 Status Field Code Values

Status Field Codes	Meaning
1xxx	Server has sent a peer synchronization request to the local machine, but the server is not configured locally.
7xxx	Server is a peer that is not configured locally but is reachable and using proper authentication.
8xxx	Server is configured but not authenticated or reachable.
9xxx	Server is configured and reachable.

Table 57 **Status Field Code Values (continued)**

Status Field Codes	Meaning
Cxxx	Server is configured to use authentication but is not reachable.
Dxxx	Server is configured to use authentication and is reachable but is not using a trusted key.
Fxxx	Server is authenticated as a trusted server and is reachable.
x0xx	Server did not pass any sanity checks and is rejected by the client. Possible causes for this condition include the server failing to authenticate, the server having a huge error bound (over 16 seconds), or the server existing on a higher stratum number than the client.
x1xx	Server passed the sanity checks but was not close enough to other servers to survive the intersection algorithm. This indicates that the server's clock was outside the largest possible error bounds of the other clocks, a condition that almost certainly indicates that the server is set to the wrong time.
x2xx	Server passed the correctness checks (intersection algorithm). This value indicates that the server is probably configured correctly.
x3xx	Server passed the candidate checks. This means that the server was not discarded because there were too many good servers (over 10).
x4xx	Server passed through the clustering algorithms without being discarded as an outlier having too much dispersion.
x5xx	Server would be the synchronization source but is too far away. This means that all the other clocks did not pass the sanity check or are too far away also.
x6xx	Server is the current synchronization source. This is the preferred server status.
x7xx to xFxx	Reserved values. These should not occur in normal usage.

Table 58 lists the event codes. The third digit indicates the number of events that have occurred since the last time an error was returned to the console by NTP or by one of the **show ntp** commands. This value does not wrap and stops incrementing at 15 (or hex F).

For a properly running server, the value should be xx1x, unless one of the **show ntp** commands has queried the server since startup. In that case, the value should be xx0x. If the third digit is any other value, check for the event causing errors.

The fourth digit in the field indicates the last event that occurred. For properly running servers, the event should be the server becoming reachable.

Table 58 **Event Field Code Values**

Event Field Codes	Meaning
xxx0	Unspecified event. Either no events have occurred or some sort of special error has occurred.
xxx1	IP error occurred reaching the server.
xxx2	Unable to authenticate a server that used to be reachable. This indicates that the keys changed or someone is spoofing the server.
xxx3	Formerly reachable server is now unreachable.
xxx4	Formerly unreachable server is now reachable.

Table 58 *Event Field Code Values (continued)*

Event Field Codes	Meaning
xxx5	Server's clock had an error.
xxx6 to xxxF	Reserved values. These should not occur in normal usage.

The flash field indicates the status of the packets while a series of 12 diagnostic tests are performed on them. The tests are performed in a specified sequence to gain maximum information while protecting against accidental or malicious errors.

The flash variable is set to zero as each packet is received. If any bits are set as a result of the tests, the packet is discarded.

The tests look for the following information:

- TEST1 through TEST3 check the packet time stamps from which the offset and delay are calculated. If no bits are set, the packet header variables are saved.
- TEST4 and TEST5 check access control and cryptographic authentication. If no bits are set, no values are saved.
- TEST6 through TEST8 check the health of the server. If no bits are set, the offset and delay relative to the server are calculated and saved.
- TEST9 checks the health of the association. If no bits are set, the saved variables are passed to the clock filter and mitigation algorithm.
- TEST10 through TEST12 check the authentication state using Autokey public-key cryptography. If any bits are set and the association was previously marked as reachable, the packet is discarded. Otherwise, the originate and receive time stamps are saved and processing continues.

Table 59 lists the flash bits for each test.

Table 59 *Flash Field Diagnostic Bit Values*

Flash Bit Values	Meaning
0x001	TEST1. Duplicate packet. The packet is at best a casual retransmission and at worst a malicious replay.
0x002	TEST2. Bogus packet. The packet is not a reply to a message previously sent. This can happen when the NTP daemon is restarted.
0x004	TEST3. Unsynchronized. One or more time-stamp fields are invalid. This normally happens when the first packet from a peer is received.
0x008	TEST4. Access is denied.
0x010	TEST5. Cryptographic authentication fails.
0x020	TEST6. Server is unsynchronized. Wind up its clock first.
0x040	TEST7. Server stratum is at the maximum of 15. The server is probably unsynchronized, and its clock needs to be wound up.
0x080	TEST8. Either the root delay or the dispersion is greater than 1 second.
0x100	TEST9. Either the peer delay or the dispersion is greater than 1 second.
0x200	TEST10. Autokey protocol has detected an authentication failure.

Table 59 Flash Field Diagnostic Bit Values (continued)

Flash Bit Values	Meaning
0x400	TEST11. Autokey protocol has not verified the server, or the peer is proventic and has valid key credentials.
0x800	TEST12. Protocol or configuration error has occurred in the public key algorithm, or a possible intrusion event has been detected.

Examples

The following is sample output for the **show ntp associations** command:

```
se-10-0-0-0# show ntp associations

ind assID status  conf reach auth condition  last_event cnt
=====
  1 37773 9624   yes  yes none sys.peer  reachable  2
```

Table 60 describes the significant fields shown in the display.

Table 60 show ntp associations Field Descriptions

Field	Description
ind	Index number of the association.
assID	Peer identifier returned by the server.
status	Hexadecimal value of the server status. See Table 57 and Table 58 for a description of these field codes.
conf	Indicates whether the server is configured or not. Valid values are yes and no.
reach	Indicates whether the peer is reachable or not. Valid values are yes and no.
auth	Status of the server authentication. Valid values are: <ul style="list-style-type: none"> • ok • bad • none • “ ”
condition	Type of association in the clock selection process. Valid values are: <ul style="list-style-type: none"> • space—Reject: Peer is discarded as unreachable. • falsetick—Peer is discarded as a false tick. • excess—Peer is discarded as not among the 10 closest peers. • outlier—Peer is discarded as an outlier. • candidate—Peer selected for possible synchronization. • selected—Almost synchronized to this peer. • sys.peer—Synchronized to this peer. • pps.peer—Synchronized to this peer on the basis of a pulse-per-second signal.

Table 60 *show ntp associations Field Descriptions (continued)*

Field	Description
last_event	Last event that occurred in the system. Valid values are: <ul style="list-style-type: none"> • (empty) • IP error • Auth fail • lost reach • reachable • clock expt See Table 58 for descriptions of these values.
cnt	Number of events that occurred since the last time an error was returned to the console by NTP. This value does not wrap and stops incrementing at 15 (or hex F). For a properly functioning server, this value should be 1 or 0.

The following is sample output for the **show ntp associations assoc-id** command:

```
se-10-0-0-0# show ntp associations assoc-id 37773

status=9624 reach, conf, sel_sys.peer, 2 events, event_reach,
srcadr=10.10.10.65, srcport=123, dstadr=10.10.5.2, dstport=123, leap=00,
stratum=8, precision=-18, rootdelay=0.000, rootdispersion=0.031,
refid=127.127.7.1, reach=377, unreach=0, hmode=3, pmode=4, hpoll=10,
ppoll=10, flash=00 ok, keyid=0, offset=-1.139, delay=0.430,
dispersion=14.821, jitter=0.158,
reftime=af4a3bee.f4749337 Thu, Mar 11 1993 14:30:06.954,
org=af4a3bf8.3f18b455 Thu, Mar 11 1993 14:30:16.246,
rec=af4a3bf8.3f71758e Thu, Mar 11 1993 14:30:16.247,
xmt=af4a3bf8.3f545c78 Thu, Mar 11 1993 14:30:16.247,
filtdelay=    0.43    0.63    0.58    0.58    0.48    0.34    0.54    0.45,
filtoffset=  -1.14   -0.98   -0.96   -0.90   -0.90   -0.79   -0.47   -0.45,
filtdisp=    0.01   15.40   30.79   46.14   61.48   76.83   92.19   99.90
```

[Table 61](#) describes the significant fields shown in the display.

Table 61 *show ntp associations assoc-id Field Descriptions*

Field	Description
status	Status of the peer. See Table 57 , Table 58 , and Table 60 for descriptions of the values in this line.
srcadr	IP address of the host server.
srcport	Port address of the host server.
dstadr	IP address of the destination server.
dstport	Port address of the destination server.

Table 61 *show ntp associations assoc-id Field Descriptions (continued)*

Field	Description
leap	Two-bit code warning of an impending leap second to be inserted in the NTP timescale. Valid values are: <ul style="list-style-type: none"> • 00—No warning • 01—Last minute has 61 seconds • 10—Last minute has 59 seconds • 11—Alarm condition (clock not synchronized)
stratum	Server hop count to the primary clock source. Valid values are: <ul style="list-style-type: none"> • 0—Unspecified • 1—Primary clock reference • 2–255—Secondary reference via NTP <p>If the stratum value is 15, the server is probably unsynchronized and its clock needs to be reset.</p>
precision	Precision of the clock, in seconds to the power of two.
rootdelay	Total round-trip delay, in seconds, to the primary reference source at the root of the synchronization subnet.
rootdispersion	Maximum error, in seconds, relative to the primary reference source at the root of the synchronization subnet.
refid	IP address of the peer selected for synchronization.
reach	Peer reachability status history, in octal. Each bit is set to 1 if the server is reached during a polling period and is set to 0 otherwise. The value 377 indicates that the last 8 attempts were good.
unreach	Number of poll intervals since the last valid packet was received.
hmode	Association mode of the host server. Valid values are: <ul style="list-style-type: none"> • 0—Unspecified • 1—Symmetric active • 2—Symmetric passive • 3—Client • 4—Server • 5—Broadcast • 6—Reserved for NTP control messages • 7—Reserved for private use

Table 61 *show ntp associations assoc-id Field Descriptions (continued)*

Field	Description
pmode	Association mode of the peer server. Valid values are: <ul style="list-style-type: none"> • 0—Unspecified • 1—Symmetric active • 2—Symmetric passive • 3—Client • 4—Server • 5—Broadcast • 6—Reserved for NTP control messages • 7—Reserved for private use
hpoll	Minimum interval, in seconds as a power of two, between transmitted messages from the host.
ppoll	Minimum interval, in seconds as a power of two, between transmitted messages to the peer.
flash	Status of the packet after a series of diagnostic tests are performed on the packet. See the description of the flash field values in Table 59 .
keyid	ID of the cryptographic key used to generate the message-authentication code.
offset	Time difference between the client and the server, in milliseconds.
delay	Round-trip delay of the packet, in milliseconds.
dispersion	Measure, in milliseconds, of how scattered the time offsets have been from a given time server.
jitter	Estimated time error, in milliseconds, of the Cisco Unity Express clock measured as an exponential average of RMS time differences.
reftime	Local time, in time-stamp format, when the local clock was last updated. If the local clock has never been synchronized, the value is zero.
org	Local time, in time-stamp format, at the peer when its latest NTP message was sent. If the peer becomes unreachable, the value is zero.
rec	Local time, in time-stamp format, when the latest NTP message from the peer arrived. If the peer becomes unreachable, the value is zero.
xmt	Local time, in time-stamp format, at which the NTP message departed the sender.
filtdelay	Round-trip delay, in seconds, between the peer clock and the local clock over the network between them.

Table 61 *show ntp associations assoc-id Field Descriptions (continued)*

Field	Description
filtoffset	Offset, in seconds, of the peer clock relative to the local clock.
filtdisp	Maximum error, in seconds, of the peer clock relative to the local clock over the network between them. Only values greater than zero are possible.

Related Commands

Command	Description
show ntp servers	Displays a list of NTP servers and their current states.
show ntp source	Displays the primary time source for an NTP server.

show ntp servers

To display a list of Network Time Protocol (NTP) servers and their current states, use the **show ntp servers** command in Cisco Unity Express EXEC mode.

show ntp servers

Syntax Description This command has no keywords or arguments.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	1.1.2	This command was introduced on the Cisco Unity Express network module (NM) and advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express.

Usage Guidelines This command displays a list of NTP servers, their states, and a summary of the remote peers associated with each server.

Examples The following is sample output for the **show ntp servers** command:

```
se-10-0-0-0# show ntp servers

remote          refid          st t when poll reach  delay  offset jitter
=====
*10.100.10.65 127.127.7.1   8 u 933 1024 377   0.430  -1.139  0.158
space reject,   x falsetick,   . excess,      - outlyer
+ candidate,    # selected,    * sys.peer,    o pps.peer
```

[Table 62](#) describes the significant fields shown in the display.

Table 62 *show ntp servers Field Descriptions*

Field	Description
remote	IP address of the remote server.
refid	Server's current time source.
st	Hop count (stratum) to the remote server.
t	Type of peer. Valid values are: <ul style="list-style-type: none"> l—Local u—Unicast m—Multicast b—Broadcast

Table 62 *show ntp servers Field Descriptions*

Field	Description
when	Time when the last packet was received.
poll	Polling interval, in seconds.
reach	Peer reachability status history, in octal. Each bit is set to 1 if the server is reached during a polling period and is set to 0 otherwise. The value 377 indicates that the last 8 attempts were good.
delay	Round-trip delay of the packet, in milliseconds.
offset	Time difference between the client and the server, in milliseconds.
jitter	Estimated time error, in milliseconds, of the Cisco Unity Express clock measured as an exponential average of RMS time differences.
(tally code)	<p>The character preceding the remote IP address indicates the status of the association in the clock selection process. Valid values are:</p> <ul style="list-style-type: none"> • space Reject: Peer is discarded as unreachable. • x Falsetick: Peer is discarded as a false tick. • . Excess: Peer is discarded as not among the ten closest peers. • – Outlier: Peer is discarded as an outlier. • + Candidate: Peer selected for possible synchronization. • # Selected: Almost synchronized to this peer. • * Sys.peer: Synchronized to this peer. • o PPS.peer: Synchronized to this peer on the basis of a pulse-per-second signal.

Related Commands

Command	Description
ntp server	Configures the NTP server.
show ntp associations	Displays a list of association identifiers and peer statuses for an NTP server.
show ntp source	Displays the time source for an NTP server.

show ntp source

To display the time source for a Network Time Protocol (NTP) server, use the **show ntp source** command in Cisco Unity Express EXEC mode.

show ntp source [detail]

Syntax Description	detail (Optional) Displays detailed information about the NTP servers.
---------------------------	---

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	1.1.2	This command was introduced on the Cisco Unity Express network module (NM) and advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express.

Usage Guidelines	This command displays the chain of NTP servers back to their primary time source, starting from the local host.
-------------------------	---

Examples The following is sample output for the **show ntp source** command:

```
se-10-0-0-0# show ntp source

127.0.0.1: stratum 9, offset 0.000015, synch distance 0.03047
10.100.10.65: stratum 8, offset -0.001124, synch distance 0.00003
```

[Table 63](#) describes the significant fields shown in the display.

Table 63 *show ntp source Field Descriptions*

Field	Description
(first field)	IP address of the host.
stratum	Server hop count to the primary clock source. Valid values are: <ul style="list-style-type: none"> 0—Unspecified 1—Primary clock reference 2–255—Secondary reference via NTP
offset	Time offset between the host and the local host, in seconds.
synch distance	Host synchronization distance, which is the estimated error relative to the primary source.

The following is sample output for the **show ntp source detail** command:

```
se-1-100-5-2# show ntp source detail

server 127.0.0.1, port 123
stratum 9, precision -17, leap 00
refid [10.10.10.65] delay 0.00012, dispersion 0.00000 offset 0.000011
rootdelay 0.00058, rootdispersion 0.03111, synch dist 0.03140
reference time:      af4a3ff7.926698bb  Thu, Mar 11 1993 14:47:19.571
originate timestamp: af4a4041.bf991bc5  Thu, Mar 11 1993 14:48:33.748
transmit timestamp:  af4a4041.bf90a782  Thu, Mar 11 1993 14:48:33.748

server 10.10.10.65, port 123
stratum 8, precision -18, leap 00
refid [172.16.7.1] delay 0.00024, dispersion 0.00000 offset -0.001130
rootdelay 0.00000, rootdispersion 0.00003, synch dist 0.00003
reference time:      af4a402e.f46eaea6  Thu, Mar 11 1993 14:48:14.954
originate timestamp: af4a4041.bf6fb4d4  Thu, Mar 11 1993 14:48:33.747
transmit timestamp:  af4a4041.bfb0d51f  Thu, Mar 11 1993 14:48:33.748
```

Table 64 describes the significant fields shown in the display.

Table 64 *show ntp source detail Field Descriptions*

Field	Description
server	IP address of the host server.
port	Port number of the host server.
stratum	Server hop count to the primary clock source. Valid values are: <ul style="list-style-type: none"> • 0—Unspecified • 1—Primary clock reference • 2–255—Secondary reference via NTP
precision	Precision of the clock, in seconds to the power of two.
leap	Two-bit code warning of an impending leap second to be inserted in the NTP time scale. Valid values are: <ul style="list-style-type: none"> • 00—No warning • 01—Last minute was 61 seconds • 10—Last minute was 59 seconds • 11—Alarm condition (clock not synchronized)
refid	IP address of the peer selected for synchronization.
delay	Round-trip delay of the packet, in milliseconds.
dispersion	Measure, in milliseconds, of how scattered the time offsets have been from a given time server.
offset	Time offset between the host and the local host, in seconds.
rootdelay	Total round-trip delay, in seconds, to the primary reference source at the root of the synchronization subnet.
rootdispersion	Maximum error, in seconds, relative to the primary reference source at the root of the synchronization subnet.

Table 64 *show ntp source detail Field Descriptions (continued)*

Field	Description
synch dist	Host synchronization distance, which is the estimated error relative to the primary source.
reference time	Local time, in time-stamp format, when the local clock was last updated. If the local clock has never been synchronized, the value is zero.
originate timestamp	Local time, in time-stamp format, at the peer when its latest NTP message was sent. If the peer becomes unreachable, the value is zero.
transmit timestamp	Local time, in time-stamp format, when the latest NTP message from the peer arrived. If the peer becomes unreachable, the value is zero.

Related Commands

Command	Description
show ntp associations	Displays a list of association identifiers and peer statuses for an NTP server.
show ntp servers	Displays a list of NTP servers and their current states.

show ntp status

To display statistics for the Network Time Protocol (NTP) server, use the **show ntp status** command in Cisco Unity Express EXEC mode.

show ntp status

Syntax Description This command has no arguments or keywords.

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.

Examples The following is sample output for the **show ntp status** command:

```
se-10-0-0-0# show ntp status

NTP reference server 1:      10.100.6.9
Status:                     sys.peer
Time difference (secs):     3.268110005008586E8
Time jitter (secs):         0.17168384790420532
```

[Table 65](#) describes the significant fields shown in the display.

Table 65 *show ntp status Field Descriptions*

Field	Description
NTP reference server 1	IP address of the NTP server.
Status	Status of the peer association in the clock selection process. Valid values are: <ul style="list-style-type: none"> • Reject: Peer is discarded as unreachable. • Falsetick: Peer is discarded as a false tick. • Excess: Peer is discarded as not among the ten closest peers. • Outlier: Peer is discarded as an outlier. • Candidate: Peer selected for possible synchronization. • Selected: Almost synchronized to this peer. • Sys.peer: Synchronized to this peer. • PPS.peer: Synchronized to this peer on the basis of a pulse-per-second signal.
Time difference (secs)	Difference in seconds between the system clock and the NTP server.
Time jitter (secs)	Estimated time error, in seconds, of the Cisco Unity Express clock measured as an exponential average of root mean square (RMS) time differences.

Related Commands

Command	Description
clock timezone	Sets the local time zone.
ntp server	Specifies the NTP server for Cisco Unity Express.
show clock detail	Displays clock statistics.

show operations

To show all operations, use the **show operations** command in Cisco Unity Express EXEC mode.

show operations

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command displays all operations, including those created by an administrator and those that are preconfigured.

Examples The following example shows the output for the **show operations** command:

```
se-10-0-0-0# show operations
broadcast.local
broadcast.remote
call.control
database.enterprise
group.configuration
network.location
prompt.modify
report.historical.manage
report.historical.view
report.realtime
report.voicemail
restriction.tables
script.modify
security.aaa
security.access
security.password
security.pin
services.configuration
services.exec
services.manage
site.configuration
software.install
spokenname.modify
system.application
system.backup
system.calendar
system.configuration
```

■ show operations

```

system.debug
system.documents
system.numbers
system.sessions
system.view
user.configuration
user.mailbox
user.notification
user.password
user.pin
user.remote
user.supervisor
voicemail.configuration
voicemail.imap.user
voicemail.lists.private.view
voicemail.lists.public
voicemail.mwi
webapp.control
webapp.modify

46 total operation(s)

```

Related Commands

Command	Description
privilege	Adds and configures a new privilege or define the properties of an existing privilege.
show privileges	Shows all system privileges.
show operations detail	Shows detailed information for a specific operation.

show operations detail

To show detailed information for a specific operation, use the **show operation detail** command in Cisco Unity Express EXEC mode.

show operation detail *operation-name*

Syntax Description	<i>operation-name</i> Name of the operation to display.				
Defaults	None.				
Command Modes	Cisco Unity Express EXEC				
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>7.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	7.0	This command was introduced.
Cisco Unity Express Version	Modification				
7.0	This command was introduced.				

Examples

The following example shows the output for the **show operation detail** command:

```
se-10-0-0-0# show operation detail security.aaa
Operation:          security.aaa
Description:       Configure AAA services and Radius
CLI:
                  config-aaa-accounting
                  config-aaa-acct-imag
                  config-aaa-authentication-server
                  config-aaa-policy
                  exec-configure-terminal
                  exec-copy-running-config-startup-config
                  exec-show-aaa-accounting
                  exec-show-aaa-policy
                  exec-write
```

9 total command(s)

[Table 66](#) describes the information displayed by this command:

Table 66 *show operation detail* Field Descriptions

Field	Description
Operation	Name used to configure the operation.
Description	Description of the configuration actions allowed by this operation.
CLI	List of the CLI commands allowed by this operation.

Related Commands	Command	Description
	privilege	Adds and configures a new privilege or define the properties of an existing privilege.
	show operations	Shows all operations.
	show privileges	Shows all system privileges.

show phone-authentication configuration

To display the VoiceView Express phone authentication parameters, use the **show phone-authentication configuration** command in Cisco Unity Express EXEC mode.

show phone-authentication configuration

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines

This command is not available on Cisco Unified Communications Manager. This command is not available on the AIM in version 2.3 and earlier.

The phone authentication service on Cisco Unity Express handles VoiceView Express authentication requests from the IP phones during the playback and recording of voice messages and greetings. This service is available only when Cisco Unity Express is working with Cisco Unified CME.

This service is enabled by default and cannot be disabled.

If you are integrating Cisco Unity Express with Cisco Unified CME and your network has multiple IP phone services that need authentication, then Cisco Unity Express must act as the primary authentication service and must relay non-Cisco Unity Express service requests to other servers.

Two URLs must be configured:

- The Cisco Unified CME authentication URL must point to Cisco Unity Express. This URL has the format **http://cue-ip-address/voiceview/authentication/authenticate.do**.
- The Cisco Unity Express fallback authentication URL must point to the third-party fallback server. This URL has the format **http://servername/path/filename**. Authentication requests from non-Cisco Unity Express services are relayed to this third-party server.

Examples

The following is sample output for the **show phone-authentication configuration** command:

```
se-10-0-0-0# show phone-authentication configuration
```

```
Authentication service URL:          http://cuehost/voiceview/authentication/authenticate.do
Authentication Fallback Server URL:  http://172.16.10.10/auth-server/authenticate.asp
```

[Table 67](#) describes the significant fields shown in the display.

Table 67 *show phone-authentication configuration Field Descriptions*

Field	Description
Authentication service URL:	Cisco Unified CME authentication service URL that points to Cisco Unity Express.
Authentication Fallback Server URL:	URL of the Cisco Unity Express fallback server.

Related Commands

Command	Description
enable (VoiceView Express)	Enables the VoiceView Express feature.
fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
service phone-authentication	Enters VoiceView Express phone authentication mode.
service voiceview	Enters VoiceView Express configuration mode.
service voiceview session terminate	Terminates an active VoiceView Express session.
session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
show voiceview configuration	Displays all VoiceView Express configuration parameters.
show voiceview sessions	Displays all active VoiceView Express sessions.

show privileges

To show all system privileges, use the **show privileges** command in Cisco Unity Express EXEC mode.

show privileges

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines This command displays all privileges, including those created by an administrator and those that are preconfigured.

Examples The following example shows the output for the **show privileges** command:

```
se-10-0-0-0# show privileges
broadcast
local-broadcast
manage-passwords
manage-users
ManagePrompts
ManagePublicLists
superuser
ViewHistoricalReports
ViewPrivateList
ViewRealTimeReports
vm-imap

11 total privilege(s)
```

This output shows only the names of the privileges that are currently configured on the system.

Related Commands	Command	Description
	privilege	Adds and configures a new privilege or define the properties of an existing privilege.
	show operations	Shows all operations.
	show privilege detail	Shows information for a specific privilege.

show privilege detail

To show detailed information for a specific privilege, use the **show privilege detail** command in Cisco Unity Express EXEC mode.

show privilege detail *privilege-name* {**expanded**}

Syntax Description		
	<i>privilege-name</i>	Name of the privilege to display.
	expanded	Also display the operations configured for nested privileges.

Defaults None.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Examples The following example shows the output for the **show privilege detail** command:

```
se-10-0-0-0# show privilege detail ManagePrompts
Privilege:          ManagePrompts
Description:        Privilege to create, modify, or delete system prompts
Privilege Members:  <none>
Operations:         prompt.modify system.debug
```

[Table 68](#) describes the information displayed by this command:

Table 68 *show privilege detail Field Descriptions*

Field	Description
Privilege	Name used to configure the privilege.
Description	Description of the operations allowed by the privilege.
Privilege Members	Users that have this privilege.
Operations	List of the operations allowed by this privilege.

Related Commands	Command	Description
	privilege	Adds and configures a new privilege or define the properties of an existing privilege.
	show operations	Shows all operations.
	show privileges	Shows all system privileges.

show processes

To display subsystem status and statistics for the CUE module, use the **show process** command in Cisco Unity Express EXEC mode.

show processes [cpu | memory]

Syntax Description

cpu	(Optional) Displays CPU time.
memory	(Optional) Displays process memory usage.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced on the Cisco Unity Express network module.

Usage Guidelines

The output of this command will be most useful to technical support personnel diagnosing problems.

Examples

The following is sample output for the **show processes** command:

```
se-10-0-0-0# show processes

STATE          HEALTH  CMD
online         alive   syslog-ng
online         alive   platform_config
online         alive   rbcpl
online         alive   trace
online         alive   cli
online         alive   ntp
online         alive   ldap
online         alive   superthread
online         alive   sql
online         alive   http
online         alive   ccn
online         alive   probe
online         alive   downloader
online         alive   dns
online         alive   usermanager
online         alive   ccn_config
online         alive   backuprestore
online         alive   smtp
```

The following is sample output for the **show processes cpu** command:

```
se-10-0-0-0# show processes cpu

Uptime (secs):          953302.54
User time (secs):       2352.6
Kernel time (secs):     38.14
Idle time (secs):       950911.8
```

The following is sample output for the **show processes memory** command:

```
se-10-0-0-0# show processes memory
```

```

  VSZ  RSS  SHR  PVT  RD   RW  EXE  DAT  STK  %PVT  CMD
12176 1256  988  268  0   220 780  244  12   0.1  syslog-ng
20028 1148  928  220  0   296 772  36   44   0.1  platform_config
11840  964  756  208  0   220 684  36   24   0.1  rbcpl
14076  956  748  208  0   208 688  44   16   0.1  trace
 2080 1084  980  104  0    56 896  116  16   0.0  monitor
20320 1264 1000  264  0   304 852  76   32   0.1  ntp
11808 1008  824  184  0   284 676  36   12   0.1  probe
21256 2096  888 1208  0   352 684 1032  28   0.5  downloader
19292 3676 2476 1200  0   932 1772 912   60   0.5  ldap
17040   0    0    0    0    0   0   0    0   0.0  sql
58992 39248 2056 37192 0   664 2988 34864 732 15.2  superthread
58560 38616 2900 35716 0   580 4020 33524 492 14.6  http
81824 45188 2820 42368 0   516 4016 39336 1320 17.3  ccn
58992 39248 2056 37192 0   664 2988 34864 732 15.2  smtp
35912 22128 1896 20232 0   556 2920 18444 208  8.3  cli

```

[Table 69](#) describes the fields shown in the **show processes** command output.

Table 69 *show process Field Descriptions*

Field	Description
State	There are two possible states: <ul style="list-style-type: none"> online—The subsystem is ready to handle requests. ready-to-go-online—The subsystem is ready, but the main processing system has not brought the subsystem online.
Health	There are two possible health conditions: <ul style="list-style-type: none"> alive—The primary thread of the process exists. dead—The primary thread of the process does not exist. Usually, a dead primary thread will cause the subsystem to restart.
CMD	The name of the subsystem.

[Table 70](#) describes the fields shown in the **show processes cpu** command output.

Table 70 *show process cpu Field Descriptions*

Field	Description
Uptime (secs)	The number of seconds since the last reboot.
User time (secs)	The number of seconds since the last reboot that the system has spent executing nonprivileged code.
Kernel time (secs)	The number of seconds since the last reboot that the system has spent executing privileged code.
Idle time (secs)	The number of seconds since the last reboot that the system spent idle.

[Table 71](#) describes the fields shown in the **show process memory** command output.

Table 71 *show process memory Field Descriptions*

Field	Description
VSZ	The size of the process address space, in kilobytes.
RSS	The amount of physical memory, in kilobytes, in use by the process.
SHR	The portion of RSS, in kilobytes, that is shared with other processes.
PVT	The portion of RSS, in kilobytes, that is private to this process.
RD	Size of file-mapped, read-only data memory, in kilobytes.
RW	Size of file-mapped, read-write data memory, in kilobytes.
EXE	Size of file-mapped, read-only executable memory, in kilobytes.
DAT	Size of non-stack, non-file mapped, read-write memory, in kilobytes.
STK	Size of native thread stacks. Non-file-mapped, read-write memory.
%PVT	The percentage of RSS that is private to this process.
CMD	The name of the subsystem.

Related Commands

Command	Description
show memory	Displays memory information for the CUE module.

show remote cache

To display the contents of the least recently used (LRU) cache, use the **show remote cache** command in the Cisco Unity Express EXEC mode.

show remote cache

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following example displays the list of subscribers in the remote cache.

```
se-10-0-0-0# show remote cache
```

```
Remote user cache is enabled
```

```
ID          LOCATION  EXTENSION  LAST ACCESSED TIME
3014001     sjc       5555       Tue Sep 21 10:38:28 PDT 2004
6661005     nyc       1111       Tue Sep 21 14:55:11 PDT 2004
```

[Table 72](#) describes the significant fields shown in the display.

Table 72 *show remote cache Field Descriptions*

Field	Description
ID	Location ID of the remote subscriber.
LOCATION	Location name of the remote subscriber.
EXTENSION	Extension of the remote subscriber.
LAST ACCESSED TIME	The most recent date and time when the remote subscriber was accessed.

Related Commands	Command	Description
	remote cache enable	Enables the LRU cache on the local system.

show remote user detail

To display the details of a specific remote subscriber that is configured on the local system, use the **show remote user detail** command in Cisco Unity Express EXEC mode.

show remote user detail username *username*

Syntax Description	username <i>username</i>	Name of the remote subscriber.
--------------------	---------------------------------	--------------------------------

Command Modes	Cisco Unity Express EXEC
---------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following example displays the details for remote subscriber User Anyone:

```
se-10-0-0-0# show remote user detail username useranyone
Full Name: User Anyone
First Name: User
Last Name: Anyone
Nick Name:
Extension: 84444
Location Id: sjc
```

Related Commands	Command	Description
	remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
	show remote users	Displays all remote subscribers configured on the local system.

show remote users

To display the details of all remote subscribers that are configured on the local system, use the **show remote users** command in Cisco Unity Express EXEC mode.

show remote users

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The following example displays a list of all configured remote subscribers on the local system:

```
se-10-0-0-0# show remote users
```

```
user1
user2
user3
user4
```

Related Commands	Command	Description
	remote username location	Configures a remote subscriber on the local Cisco Unity Express system.
	show remote user detail	Displays details for a specific remote subscriber configured on the local system.



S: show restore history to system shutdown (aaa accounting event)

Last Updated: June 23, 2011

[show restore history](#)
[show restriction-table](#)
[show running-config](#)
[show schedules](#)
[show schedule detail job](#)
[show security detail](#)
[show security ssh known-hosts](#)
[show site](#)
[show smtp server](#)
[show snmp configuration](#)
[show software](#)
[show software directory](#)
[show startup-config](#)
[show system language](#)
[show trace buffer](#)
[show trace store](#)
[show trace store-prev](#)
[show user detail username](#)
[show user profiles](#)
[show users](#)
[show users site](#)
[show version](#)
[show voicemail](#)
[show voicemail broadcast messages](#)
[show voicemail configuration](#)

show voicemail conversation
show voicemail conversation caller caller-flow restriction-table
show voicemail fax restriction-table
show voicemail live-record
show voicemail live-reply
show voicemail live-reply restriction-table
show voicemail messages future
show voicemail msg-notification restriction-table
show voicemail non-subscriber restriction-table
show voicemail notification
show voicemail notification owner
show voicemail notification owner cascade
show voicemail notification queue
show voicemail notification restriction-table
show voicemail zero-out restriction-table
show voiceview configuration
show voiceview sessions
show web session security
show webapp-IVR Only
shutdown
site name
smtp server address
smtp server security
snmp-server community
snmp-server contact
snmp-server enable cueShutdownRequest
snmp-server enable traps
snmp-server host
snmp-server location
software download abort
software download clean
software download server
software download status
software download upgrade
software install clean
software install downgrade
software install upgrade
software remove

start-date (backup-schedule)
start-date (backup-schedule)
start-date (kron-schedule)
stop-date (backup-schedule)
stop-date (kron-schedule)
system language preferred
system-startup (aaa accounting event)
system-shutdown (aaa accounting event)

show restore history

To display the success or failure of restore procedures, use the **show restore history** command in Cisco Unity Express EXEC mode.

show restore history

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

If running a Cisco Unity Express version prior to 8.0, use the [show backup history](#) command to display the restore history.



Note

If the restore fails because the FTP server is not reachable, the failure is not logged in the restore history.

Examples

The following is sample output from the **show restore history** command:

```
se-10-0-0-0# show restore history
#Start Operation
Category:      Configuration
Backup Server: ftp://10.100.10.215/CUE_backup
Operation:     Restore
Backupid:     129
Restoreid:    15
Date:         Sun Jun 13 12:32:48 PDT 1993
Result:       Success
Reason:
Version: 8.0.0.1
#End Operation
```

[Table 73](#) describes the significant fields shown in the display.

Table 73 *show restore history Field Descriptions*

Field	Description
Category	Specifies the type of file (data, configuration, or all) that was backed up.
Backup Server	Backup server location.
Operation	Type of operation performed.
Backupid	ID number of the backup file.

Table 73 *show restore history Field Descriptions (continued)*

Field	Description
Restoreid	ID to use to restore this file.
Date	Date and time (in hh:mm:ss) when the operation occurred.
Result	Indication of success or failure of the operation.
Reason	If the operation failed, this field gives the reason for the failure.
Version	Specifies the scheduled restore version.

Related Commands

Command	Description
show backup history	Displays the success or failure of backup and restore procedures.

show restriction-table

To display information about the specified restriction tables, use the **show restriction-table** command in Cisco Unity Express EXEC mode.

show restriction-table [*table-name* | **all**]

Syntax Description		
	<i>table-name</i>	Display the specified restriction table.
	all	Display all restriction tables in the system.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show restriction-table** command in Cisco Unity Express EXEC mode to display the name and contents of the specified restriction tables.

Examples The following is sample output for the **show restriction-table** *table-name* command:

```
se-10-0-0-0# show restriction-table fax-restriction

Restriction Table:      fax-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1         19000...   yes
  2         170000    yes
  3         *         yes
```

[Table 74](#) describes the significant fields shown in the display.

Table 74 *show restriction-table* Field Descriptions

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	restriction delete	Deletes a restriction table.
	restriction dial-string	Specifies a dial string for a restriction table
	restriction max-digits	Specifies the maximum number of digits for a restriction table.
	restriction min-digits	Specifies the minimum number of digits for a restriction table.
	voicemail fax restriction	Associates a restriction table with the fax feature.
	voicemail live-reply restriction	Associates a restriction table with the live-reply feature.
	voicemail non-subscriber restriction	Associates a restriction table with the non-subscriber message delivery feature.

show running-config

To display the current running configuration, use the **show running-config** command in Cisco Unity Express EXEC mode.

show running-config [paged]

Syntax Description

paged (Optional) Displays enough output to fill the current viewing screen.

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.
7.1	This command was expanded to display caller flow configurations

Usage Guidelines

This command displays the running configuration stored in flash memory.

Use the **paged** keyword to display the output in screen-length pages.

Examples

The following is sample output for the **show running-config** command:

```
se-10-0-0-0# show running-config

Generating configuration:

! Timezone Settings
clock timezone America/Los_Angeles

! hostname
hostname se-10-0-0-0

! Domain Name
ip domain-name localdomain
! DNS Servers
ip name-server 10.100.10.130

ntp server 10.100.6.9

groupname Administrators create
```

```
groupname sales create
groupname tech create

username user1 create
username user2 create
username user3 create
username user4 create
username user5 create
username user6 create
username user7 create
username user8 create
username user9 create
username user1 phonenumber "2004"
username user2 phonenumber "2005"
username user4 phonenumber "2008"
username user6 phonenumber "2006"
username user7 phonenumber "2001"
username user8 phonenumber "2012"
username user9 phonenumber "2002"

groupname Administrators member user4
groupname Administrators member user6
groupname sales member user1
groupname sales member user9

backup server url "ftp://172.16.0.1/ftp" username "" password ""

ccn application autoattendant
description "Auto Attendant"
enabled
maxsessions 8
script "aa.aef"
parameter "MaxRetry" "3"
parameter "operExtn" "0"
parameter "welcomePrompt" "AAWelcome.wav"
end application

ccn application ciscoawiapplication
description "ciscoawiapplication"
enabled
maxsessions 8
script "setmwi.aef"
parameter "strMWI_OFF_DN" "8001"
parameter "strMWI_ON_DN" "8000"
parameter "CallControlGroupID" "0"
end application

ccn application voicemail
description "voicemail"
enabled
maxsessions 8
script "voicebrowser.aef"
parameter "logoutUri" "http://localhost/voicemail/vxmlscripts/
parameter "uri" "http://localhost/voicemail/vxmlscripts/login.
end application

ccn engine
end engine

ccn subsystem sip
gateway address "10.100.6.9"
end subsystem

ccn trigger sip phonenumber 6700
```

```

application "autoattendant"
  enabled
  locale "en_ENU"
  maxsessions 8
end trigger

ccn trigger sip phonenumber 6800
  application "voicemail"
  enabled
  locale "en_ENU"
  maxsessions 8
end trigger

template TELLER_CLRFLW type voicemail-caller-flow
  caller-input #,* repeat-greeting
  caller-input 9 transfer-to 9999
end template

voicemail conversation caller caller-flow restriction-table block-external-nos

voicemail mailbox owner "aimumesh3" size 1694
  caller-flow caller-input 0,9 ignore
  caller-flow caller-input 5 transfer-to 5555
  description "aimumesh3 mailbox"
end mailbox

voicemail default mailboxsize 3000
voicemail mailbox owner "user1" size 3000
  description "User 1"
end mailbox

voicemail mailbox owner "user2" size 3000
  description "User 2"
end mailbox

voicemail mailbox owner "user3" size 3000
  description "User 3"
end mailbox

voicemail mailbox owner "user4" size 3000
  description "User 4"
end mailbox

voicemail mailbox owner "user5" size 3000
  description "User 5"
end mailbox

voicemail mailbox owner "user6" size 3000
  description "User 6"
end mailbox

voicemail mailbox owner "user7" size 3000
  description "User 7"
end mailbox

voicemail mailbox owner "user8" size 3000
  description "User 8"
end mailbox

end

```

Related Commands

Command	Description
copy ftp	Copies network FTP server data to another location.
copy running-config	Copies the running configuration to another location.
copy startup-config	Copies the startup configuration to another location.
copy tftp	Copies network TFTP server data to another location.
erase startup-config	Deletes the startup configuration.
show startup-config	Displays the startup configuration.
write	Copies the running configuration to the startup configuration.

show schedules

To display the details of all recurring scheduled events configured on the local system, use the **show schedules** command in Cisco Unity Express EXEC mode.

show schedules

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Examples The following example displays a summary of all recurring scheduled events on the local system:

```
se-10-0-0-0# show schedules
```

Name	Schedule	Next Run	Description	Categories
A22	NOT SET	NEVER		
backup1000	Every 1 days at 12:34	Jun 25, 2002 12:34		Data
Total: 2				

[Table 75](#) describes the significant fields shown in the display.

Table 75 *show schedules* Field Descriptions

Field	Description
Name	ID of the scheduled action.
Application	Application performing the scheduled action.
Schedule	When the action is scheduled to occur.
Next Run	Date and time the next scheduled action will occur
Description	Description of the scheduled action.

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

show schedule detail job

To display the details of the specified scheduled event, use the **show schedule detail job** command in Cisco Unity Express EXEC mode.

show schedule detail job *job-name*

Syntax Description	<i>job-name</i>	Specifies the name of the scheduled backup job to display.
---------------------------	-----------------	--

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Examples

The following example displays information for the specified scheduled event:

```
se-10-0-0-0# show schedule detail job job-8

Job Name      job-8
Application   backup
Description   main backup
Schedule      Daily at 06:00
Last Run      5 hours 59 seconds ago
Next Run      in 18 hours 1 seconds
Active        from Jun 25, 2002 until INDEFINITE
```

Table 76 describes the significant fields shown in the display.

Table 76 *show backup schedule detail job* Field Descriptions

Field	Description
Job Name	ID of the scheduled backup job.
Application	Application performing the scheduled action.
Description	Description of the scheduled backup job.
Schedule	When the backup job is scheduled to occur.
Last Run	Date and time the last backup occurred
Next Run	Date and time the next backup will occur
Active	Time period when the scheduled backup job is active.

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
	show backup schedules	Shows details for all recurring scheduled backup jobs.

show security detail

To display the system-wide password and PIN settings, use the **show security detail** command in Cisco Unity Express EXEC mode.

show security detail

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.
	3.0	This command was extended to display new parameters for system-wide passwords and PINs.

Examples The command output may look similar to the following:

```
se-10-0-0-0# show security detail
```

```

Password Expires:      true
Password Age:         60 days
Password Length (min): 5
Password Length (max): 32
Password Lockout:     Disabled
Password History Depth: 1
PIN Expires:          true
PIN Age:              45 days
PIN Length (min):     4
PIN Length (max):     16
Pin Lockout:          Disabled
PIN History Depth:    1

```

The following example shows the values when password expiration and the PIN length are reset to the system default values:

```
se-10-0-0-0# show security detail
```

```

Password Expires:      false
Password Length (min): 3
Password Length (max): 32
Password Lockout:     Disabled
Password History Depth: 1
PIN Expires:          false
PIN Age:              45 days
PIN Length (min):     3
PIN Length (max):     16
Pin Lockout:          Disabled
PIN History Depth:    1

```

[Table 77](#) describes the fields shown in the **show security detail** command output.

Table 77 *show security detail Field Descriptions*

Field	Description
Password Expires	Indicates if password expiration is turned on.
Password Age	Maximum number of days for which subscribers' passwords are valid.
Password Length (min)	Minimum number of characters for all subscribers' passwords.
Password Length (max)	Maximum number of characters for all subscribers' passwords.
Password Lockout	Indicates if password lockout is turned on.
Password History Depth	Indicates the number of previous passwords the system remembers.
PIN Expires	Indicates if password expiration is turned on.
PIN Age	Maximum number of days for which subscribers' PINs are valid.
PIN Length (min)	Minimum number of digits for all subscribers' PINs.
PIN Length (max)	Maximum number of digits for all subscribers' PINs.
PIN Lockout	Indicates if PIN lockout is turned on.
PIN History Depth	Indicates the number of previous PINs the system remembers.

Related Commands

Command	Description
security password	Configures password length and expiry time for the local system.
security pin	Configures PIN length and expiry time for the local system.

show security ssh known-hosts

To display a list of configured SSH (Secure Shell) servers and their fingerprints, use the **show security ssh known-hosts** command in Cisco Unity Express EXEC mode.

show security ssh known-hosts

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show security ssh known-hosts** command in Cisco Unity Express EXEC mode to display a list of configured SSH servers and their fingerprints. These fingerprints are used to perform SSH server authentication.

Examples The following is sample output for the **show security ssh known-hosts** command:

```
se-10-0-0-0# show security ssh known-hosts

192.168.138.208 ssh-rsa a5:3a:12:6d:e9:48:a3:34:be:8f:ee:50:30:e5:e6:c3
172.16.103.231 ssh-rsa 5c:31:00:89:04:ed:2e:fc:bd:eb:26:23:cd:24:c0:b6
```

This output shows the following information:

- Hostname or IP address of the SSH server.
- Whether the MD5 (Message-Digest algorithm 5) fingerprint is for a SSH server's host key that was created using the DSA (Digital Signature Algorithm) or RSA encryption algorithm.
- MD5 fingerprint string

Related Commands	Command	Description
	backup server authenticate	Retrieves the fingerprint of the backup server's host key.
	security ssh	Configures the MD5 (Message-Digest algorithm 5) fingerprint of the SSH (Secure Shell) server's host key.

show site

To show site information, use the **show site** command in Cisco Unity Express EXEC mode.

show site [*site-name*]

Syntax Description	<i>site-name</i>	Name of the site to display information about.
Command Default	Site information is shown for all sites.	
Command Modes	Cisco Unity Express EXEC	
Command History	Cisco Unity Express Version	Modification
	3.2	This command was introduced.

Usage Guidelines If no site name is specified, information is shown for all sites.

This command shows the following information for sites:

- Site name
- Hostname
- Description
- Web username
- XML username

Examples

The following example shows the output for the **show site** command:

```
se-10-0-0-0# show site

Name      Hostname      Description
local     1.100.50.12   Local site
San-jose  1.100.50.46   Sales branch in SJ
```

The following example shows the **show site** output for a specific site:

```
se-10-0-0-0# show site San-jose

Name:San-jose
Description: Sales branch in SJ
Hostname: 1.100.50.46
Web Username: admin
XML Username: axluser
```

Related Commands	Command	Description
	description (site)	Configures a description for a specific site.
	site name	Creates a site.
	web username password (site)	Configures the Web username and Web password for a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site
	xml username password (site)	Configures the XML username and password for a site.
	xml credentials hidden (site)	Configures the XML hidden credentials for a site

show smtp server

To display the settings for the SMTP server, use the **show smtp server** command in Cisco Unity Express EXEC mode.

show smtp server

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	8.6	The Security field was added to the display.

Examples The following is sample outputs for the **show smtp server** command:

```
se-10-0-0-0# show smtp server
```

```
SMTP Server: 172.16.1.1
Port: 1088
Authentication: Required
Username: smtp123
```

The following is sample output for the **show smtp server** command for Cisco Unity Express 8.6 or later:

```
se-10-0-0-0# show smtp server
```

```
SMTP Server: 172.16.0.1
SMTP Port: 465
Authentication: Required
Username: cisco
Security: ssl
```

The following example displays the output when authentication is not required.

```
se-10-0-0-0# show smtp server
```

```
SMTP Server: 10.10.5.12
Authentication: Not Required
```

The following example displays the error message if the SMTP server is not configured.

```
se-10-0-0-0# show smtp server
```

```
SMTP Server is not configured.
```

[Table 78](#) describes the significant fields shown in the display.

Table 78 *show smtp server Field Descriptions*

Field	Description
SMTP Server:	Hostname or IP address of the SMTP server.
Port:	Port of the SMTP server.
Authentication:	Status of authentication requirement for the SMTP server.
Username:	Authentication user ID of the SMTP server.
Security	The security setting configuring using the smtp server security command. Supported in Cisco Unity Express 8.6 or later.

Related Commands

Command	Description
smtp server address	Configures the SMTP server for message notification to text devices.
smtp server security	Configures the security settings for the SMTP server.

show snmp configuration

To display the SNMP configuration parameters, use the **show snmp configuration** command in Cisco Unity Express EXEC mode.

show snmp configuration

Syntax Description This command has no arguments or keywords.

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.

Examples The following example shows output from the **show snmp configuration** command:

```
se-10-0-0-0# show snmp configuration

Contact:          Dial 71111 for system operator
Location:         Bldg A NYC
Community 1 RO:   nycaccess
Community 2 RO:   iminhere
Community 3 RO:   123abc
Community 1 RW:   admin_main
Community 2 RW:   myaccess
Traps:            enabled
Host Community 2: 172.16.16.224 bigtraps
cueShutdownRequest enabled
se-10-0-0-0#
```

Related Commands	Command	Description
	show snmp configuration	Displays the SNMP configuration.
	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.

show software

To display characteristics of the installed software, use the **show software** command in Cisco Unity Express EXEC mode.

show software { directory | download server | licenses | packages | versions }

Syntax Description

directory	Displays the software directory.
download server	Displays the IP address of the FTP server.
licenses	Displays the terms and limits of the purchased license for the system.
packages	Displays the configured Cisco Unity Express application packages.
versions	Displays the current versions of the configured software and applications.

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.
2.0	This command was updated for the Cisco Unity Express network module.

Examples

The following is sample output for the **show software** command:

```
se-10-0-0-0# show software download server

Download server URL is: ftp://172.16.0.1/ftp

se-10-0-0-0# show software licenses

Core:
- application mode: CME
- total usable system ports: 8

Voicemail/Auto Attendant:
- max system mailbox capacity time: 6000
- max general delivery mailboxes: 20
- max personal mailboxes: 100

Languages:
- max installed languages: unlimited
- max enabled languages: 1
```

```
se-10-0-0-0# show software packages
```

Installed Packages:

- Core (Integrated Voice Services - Core)
- Auto Attendant (Integrated Voice Services - Auto Attendant)
- Voice Mail (Integrated Voice Services - Voice Mail)
- Boot Loader (Service Engine Bootloader)

Installed Languages:

- US English (English language pack)

```
se-10-50-10-125# show software versions
```

Installed Packages:

Software Version: 3.0.1

- Installer 3.0.1.0
 - Thirdparty 2.3.1.0
 - Bootloader (Primary) 2.1.14
 - Infrastructure 2.3.2.0
 - Global 3.0.1.0
 - Service Engine license 2.1.2.0
 - Auto Attendant 3.0.0.12
 - Voice Mail 10.2.3.1.0
 - Bootloader (Secondary) 2.1.15.0
 - Core 2.4.0.1
 - GPL Infrastructure 2.2.1.0

Installed Plug-ins:

- CUE Voicemail Language Support 3.0.0.0
- CUE Voicemail Brazilian Portuguese 3.0.0.0
- CUE Voicemail US English 3.0.0.0

Related Commands

Command	Description
show call-agent	Displays the configured applications.
show voicemail	Displays properties configured for the voice-mail system.
voicemail default	Configures default values for the voice-mail application.

show software directory

To display directory information for software download and downgrade files, use the **show software directory** command in Cisco Unity Express EXEC mode.

show software directory {download | downgrade}

Syntax Description

download	Displays download directory information.
downgrade	Displays downgrade directory information.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced.

Examples

The following is sample output for the **show software directory download** command:

```
se-10-10-0-0# show software directory download

KBytes Directory
27347 /dwnld/pkgdata

Directory listings

Directory: /dwnld/pkgdata

total 27347
drwxrwxr-x  2 root  daemon    136 Oct 18 19:30 .
drwxrwxr-x  4 root  daemon    136 Oct 18 19:30 ..
-rw-rw-r--  1 root  root      27857860 Oct 18 19:31 cue-vm-upgrade.2.1
-rw-rw-r--  1 root  root      113161 Oct 18 19:30 cue-vm.2.1.pkg
se-10-0-0-0#
```

The following is sample output for the **show software directory downgrade** command:

```
se-172-16-0-0# show software directory downgrade

KBytes Directory
6154 /dwnld/dwngrade

Directory listings

Directory: /dwnld/dwngrade

total 6154
drwxrwxrwx  3 root  daemon    184 Nov  3 17:22 .
drwxrwxr-x  4 root  daemon    360 Nov  3 17:22 ..
-rw-rw-r--  1 root  daemon    227 Oct 28 18:42 .uninstall_work_order
-rw-rw-r--  1 root  daemon  6286628 Oct 28 18:42 add_files.fhdr
drwxrwxr-x  2 root  daemon    48 Nov  3 17:22 tmp
se-10-0-0-0#
```

Related Commands	Command	Description
	show call-agent	Displays the configured applications.
	show voicemail	Displays properties configured for the voice-mail system.
	voicemail default	Configures default values for the voice-mail application.

show startup-config

To display the current startup configuration, use the **show startup-config** command in Cisco Unity Express EXEC mode.

show startup-config [paged]

Syntax Description	paged	(Optional) Displays enough output to fill the current viewing screen.
--------------------	-------	---

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	This command displays the startup configuration stored in flash memory.
------------------	---

Examples	The following is sample output for the show startup-config command:
----------	--

```
se-10-0-0-0# show startup-config

! This adds all the platform CLI commands
!

! hostname
hostname se-10-0-0-0

! Domain Name
ip domain-name localdomain

! DNS Servers
ip name-server 10.100.10.130

! Timezone Settings
clock timezone America/Los_Angeles
end
```

Related Commands	
------------------	--

Command	Description
copy ftp	Copies network FTP server data to another location.
copy running-config	Copies the running configuration to another location.
copy startup-config	Copies the startup configuration to another location.
copy tftp	Copies network TFTP server data to another location.
erase startup-config	Deletes configuration data.
show running-config	Displays the running configuration.
write	Copies the running configuration to the startup configuration.

show system language

To display which language the system is configured to use and/or a list of the languages available, use the **show system language** command in Cisco Unity Express EXEC mode.

```
show system language {preferred | installed}
```

Syntax Description

preferred	The language the system is using.
installed	The languages that are available for use.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced in Cisco Unity Express.

Usage Guidelines

Use this command to see which language versions of Cisco Unity Express are available and/or which of them is currently the set language.

Each language is displayed as two pairs of two-character codes, the first lowercase, the second uppercase. The first pair of characters designates the language and the second pair of characters designates the area where the language is spoken, for example, en_GB for British English. On the same line as each pair of codes is the full name of the language and the product version.

Examples

The following example illustrates the use of the **show system language preferred** command:

```
se-10-0-0-0# show system language preferred
Preferred Language: en_US
```

The following example illustrates the use of the **show system language installed** command:

```
se-10-0-0-0# show system language installed
Installed Languages:
it_IT - Italian (Italian language pack) (2.3.0.0)
es_ES - European Spanish (Spanish language pack) (2.3.0.0)
en_US - US English (English language pack) (2.3.0.0)
fr_FR - European French (French language pack) (2.3.0.0)
ga_IE - Gaelic Irish English (Gaelic Irish language pack) (2.3.0.0)
es_CO - Latin American Spanish (Latin American Spanish language pack) (2.3.0.0)
es_MX - Mexican Spanish (Mexican Spanish language pack) (2.3.0.0)
fr_CA - Canadian French (Canadian French language pack) (2.3.0.0)
en_GB - British English (British English language pack) (2.3.0.0)
da_DK - Danish (Danish language pack) (2.3.0.0)
pt_BR - Brazilian Portuguese (Brazilian Portuguese language pack) (2.3.0.0)
de_DE - German (German language pack) (2.3.0.0)
ko_KR - Korean (Korean language pack) (2.3.0.0)
zh_CN - Mandarin Chinese (Mandarin Chinese language pack) (2.3.0.0)
ja_JP - Japanese (Japanese language pack) (2.3.0.0)
```

Related Commands	Command	Description
	system language preferred	Configures the system language.

show trace buffer

To display a list of events in memory, use the **show trace buffer** command in Cisco Unity Express EXEC mode.

show trace buffer [**containing** *string* [**long** | **short**] | **long** [**paged**] | **short** [**paged**] | **tail** [*number* [**long** | **short**]]]

Syntax Description

containing <i>string</i>	(Optional) Displays only events that match a search expression.
long	(Optional) Displays expanded text for many error and return codes.
short	(Optional) Displays hexadecimal codes.
paged	(Optional) Displays the output a page at a time.
tail	(Optional) Display the latest events as they occur.
number	(Optional) Displays the most recent <i>number</i> of events.

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

This command displays a list of the trace events being captured in the memory buffer. Use this command to monitor trace events set for debugging. You may stop the output by pressing CTRL-C.

Examples

The following example shows a partial output from the **show trace buffer** command:

```
se-10-0-0-0# show trace buffer

Press <CTRL-C> to exit...
238 09/19 23:23:11.041 TRAC TIMZ 0 UTC UTC 0
238 09/19 23:23:11.043 TRAC TIMZ 0 UTC UTC 0
800 09/19 23:28:04.152 WFSP MISC 0 WFSysdbLimits::WFSysdbLimits hwModuleType=NM
800 09/19 23:28:04.171 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.171 WFSP MISC 0 keyName = limitsDir
str = /sw/apps/wf/ccnapps/limits
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getNodeXml
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.198 WFSP MISC 0 keyName = limits
str = <?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?> <attrList> <a
```

```

ttrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <attr>max
_scripts</attr> <desc>maximum number of scripts</desc> <value>0</value> </attrDe
cl> <attrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <at
tr>max_prompts</attr> <desc>maximum number of prompts</desc> <value>0</value> </
attrDecl> </attrList>
800 09/19 23:28:04.199 WFSP MISC 0 WFSysdbProp::getNodeXml(str, str)
800 09/19 23:28:04.200 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.200 WFSP MISC 0 keyName = app

```

Related Commands

Command	Description
show begin	Begins the output of any show command from a specified string.
show exclude	Filters a show command output so that it excludes lines that contain a particular regular expression.
show include	Filters a show command output so that it displays only lines that contain a particular regular expression.

show trace store

To display a list of events from the `atrace.log` file, use the **show trace store** command in Cisco Unity Express EXEC mode.

```
show trace store [containing string [long | short] | long [paged] | short [paged] | tail [number
[long | short]]]
```

Syntax Description

containing <i>string</i>	(Optional) Displays only events that match a search expression.
long	(Optional) Displays expanded text for many error and return codes.
short	(Optional) Displays hexadecimal codes.
paged	(Optional) Displays the output a page at a time.
tail	(Optional) Display the latest events as they occur.
number	(Optional) Displays the most recent <i>number</i> of events.

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 (NM) 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

This command displays a list of the trace events saved in the `atrace.log` file. Use this command to monitor trace events set for debugging. The `atrace.log` file capacity is 10 MB on the AIM and 100 MB on the NM. When the `atrace.log` file reaches its limit, it is copied to the `atrace.log.prev` file and restarted. You may stop the output by pressing CTRL-C.

Examples

The following example shows a partial output from the **show trace store** command:

```
se-10-0-0-0# show trace store

Press <CTRL-C> to exit...
238 09/19 23:23:11.041 TRAC TIMZ 0 UTC UTC 0
238 09/19 23:23:11.043 TRAC TIMZ 0 UTC UTC 0
800 09/19 23:28:04.152 WFSP MISC 0 WFSysdbLimits::WFSysdbLimits hwModuleType=NM
800 09/19 23:28:04.171 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.171 WFSP MISC 0 keyName = limitsDir
str = /sw/apps/wf/ccnapps/limits
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getNodeXml
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getProp
```

```

800 09/19 23:28:04.198 WFSP MISC 0 keyName = limits
str = <?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?> <attrList> <attrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <attr>max_scripts</attr> <desc>maximum number of scripts</desc> <value>0</value> </attrDecl> <attrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <attr>max_prompts</attr> <desc>maximum number of prompts</desc> <value>0</value> </attrDecl> </attrList>
800 09/19 23:28:04.199 WFSP MISC 0 WFSysdbProp::getNodeXml(str, str)
800 09/19 23:28:04.200 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.200 WFSP MISC 0 keyName = app

```

Related Commands

Command	Description
show logs	Displays a list of the log files.
show trace store-prev	Displays a list of events from the atrace.log.prev file.

show trace store-prev

To display a list of events from the `atrace.log.prev` file, use the **show trace store-prev** command in Cisco Unity Express EXEC mode.

```
show trace store-prev [containing string [long | short] | long [paged] | short [paged] | tail
                       [number [long | short]]]
```

Syntax Description

containing <i>string</i>	(Optional) Display only events that match a search expression.
long	(Optional) Displays expanded text for many error and return codes.
short	(Optional) Displays hexadecimal codes.
paged	(Optional) Displays the output a page at a time.
tail	(Optional) Display the latest events as they occur.
number	(Optional) Displays the most recent <i>number</i> of events.

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 (NM) 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

This command displays a list of the trace events being captured in the `atrace.log.prev` file. Use this command to monitor trace events set for debugging. The `atrace.log` file capacity is 10 MB on the AIM and 100 MB on the NM. When the `atrace.log` file reaches its limit, it is copied to the `atrace.log.prev` file and restarted. You may stop the output by pressing CTRL-C.

Examples

The following example shows a partial output from the **show trace store-prev** command:

```
se-10-0-0-0# show trace store-prev

Press <CTRL-C> to exit...
238 09/19 23:23:11.041 TRAC TIMZ 0 UTC UTC 0
238 09/19 23:23:11.043 TRAC TIMZ 0 UTC UTC 0
800 09/19 23:28:04.152 WFSP MISC 0 WFSysdbLimits::WFSysdbLimits hwModuleType=NM
800 09/19 23:28:04.171 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.171 WFSP MISC 0 keyName = limitsDir
str = /sw/apps/wf/ccnapps/limits
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getNodeXml
800 09/19 23:28:04.197 WFSP MISC 0 WFSysdbProp::getProp
```

```

800 09/19 23:28:04.198 WFSP MISC 0 keyName = limits
str = <?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?> <attrList> <attrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <attr>max_scripts</attr> <desc>maximum number of scripts</desc> <value>0</value> </attrDecl> <attrDecl purpose="CONFIG" type="INT32" maxsize="4"> <node>limits</node> <attr>max_prompts</attr> <desc>maximum number of prompts</desc> <value>0</value> </attrDecl> </attrList>
800 09/19 23:28:04.199 WFSP MISC 0 WFSysdbProp::getNodeXml(str, str)
800 09/19 23:28:04.200 WFSP MISC 0 WFSysdbProp::getProp
800 09/19 23:28:04.200 WFSP MISC 0 keyName = app

```

Related Commands

Command	Description
show logs	Displays a list of the log files.
show trace store	Displays a list of events from the atrace.log file.

show user detail username

To display the configured details for a specific subscriber, use the **show user detail username** command in Cisco Unity Express EXEC mode.

show user detail username *username*

Syntax Description

<i>username</i>	Name of the subscriber whose configuration details should be displayed.
-----------------	---

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.
3.0	This command was modified to also display the fax extension assigned to a user.
7.0	This command was modified to also display information about the user's privileges (for email and epage), group membership, and group ownership.

Usage Guidelines

This command displays subscribers who were configured using either Cisco Unity Express EXEC mode or Cisco Unity Express configuration mode of the **username** command.

Examples

The following is sample output for the **show user detail username** command.

```
se-10-0-0-0# show user detail username user1
```

```
Full Name:          User 1
First Name:
Last Name:         user1
Nickname:         user1
Phone:            2004
Phone(E.164):
Fax:              2004
Email:
Epage:
Language:         en_ENU
GroupMember:      broadcasters
GroupOwner:       <none>
```

Table 79 describes the significant fields shown in the display.

Table 79 *show user detail username Field Descriptions*

Field	Description
Full Name	Full name of the subscriber.
First Name	First name of the subscriber.
Last Name	Last name of the subscriber.
Nickname	Optional nickname of the subscriber.
Phone	Extension or telephone number assigned to the subscriber.
Phone (E.164)	11-digit telephone number assigned to the subscriber.
Fax	Fax extension assigned to the subscriber.
Email	Email privileges for this subscriber.
Epage	Epage privileges for prompts for this subscriber.
Language	Language used for prompts for this subscriber.
GroupMember	Groups that have this subscriber as a member.
GroupOwner	Groups that this subscriber owns.

Related Commands

Command	Description
show users	Displays a list of usernames.
username (configuration)	Configures a Cisco Unity Express subscriber.

show user profiles

To display a list of notification profiles configured for a subscriber, use the **show user profiles** command in Cisco Unity Express EXEC mode.

```
show user profiles username user-id
```

Syntax Description	username <i>user-id</i> ID of the subscriber whose notification profiles are displayed.
---------------------------	--

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

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

Examples The following are sample outputs for the **show user profiles** command:

```
se-10-0-0-0# show user profiles username user3

vm-notif-profile
```

Related Commands	Command	Description
	username profile (phone devices)	Configures message notifications for a subscriber's cell phone.
	username profile email	Configures message notifications for a subscriber's e-mail.
	username profile num-pager	Configures message notifications for a subscriber's numeric pager.
	username profile text-pager	Configures message notifications for a subscriber's text pager.

show users

To display a list of configured subscribers, use the **show users** command in Cisco Unity Express EXEC mode.

show users

Syntax Description This command has no arguments or keywords.

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 This command displays an alphabetical list of all subscribers who were configured using either the Cisco Unity Express EXEC version or the Cisco Unity Express configuration version of the **username** command.

Examples The following example lists the subscribers configured in the voice-mail system:

```
se-10-0-0-0# show users
```

```
user1
user2
user3
user4
user5
user6
user7
user8
user9
```

Related Commands	Command	Description
	show user detail username	Displays the configuration details for a specific subscriber.
	username (configuration)	Configures a Cisco Unity Express subscriber.

show users site

To show the users associated with a site, use the **show users site** command in Cisco Unity Express EXEC mode.

show users site [*site-name*]

Syntax Description	<i>site-name</i>	Name of the site to display information about.
---------------------------	------------------	--

Command Default	None.	
------------------------	-------	--

Command Modes	Cisco Unity Express EXEC	
----------------------	--------------------------	--

Command History	Cisco Unity Express Version	Modification
	3.2	This command was introduced.

Examples

The following example shows the **show users site** output for all sites:

```
se-10-0-0-0# show users site
Name      Hostname      Description
local     1.100.50.12   Local site
San-jose1.100.50.46   Sales branch in SJ
```

The following example shows the **show users site** output for the San Jose site:

```
se-10-0-0-0# show users site San-jose
Name:San-jose
Description: Sales branch in SJ
Hostname: 1.100.50.46
Web Username: admin
XML Username: axluser
```

Related Commands	Command	Description
	site name	Creates a site.
	description (site)	Configures a description for a specific site.
	web username password (site)	Configures the Web username and Web password for a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site
	xml username password (site)	Configures the XML username and password for a site.
	xml credentials hidden (site)	Configures the XML hidden credentials for a site

show version

To display the versions of the Cisco Unity Express hardware components, use the **show version** command in Cisco Unity Express EXEC mode.

show version

Syntax Description This command has no arguments or keywords.

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	The compact flash information was added to the display.

Usage Guidelines This command displays a list of the installed Cisco Unity Express hardware components with their versions and serial numbers.

Examples The following example lists the hardware components for a Cisco Unity Express system:

```
se-10-0-0-0# show version

CPU Model:                Pentium III (Coppermine)
CPU Speed (MHz):          498.677
CPU Cache (KByte):        256
Chassis Type:             C3745
Chassis Serial:           JMX0633L3RW
Module Type:              NM
Module Serial:            JAB0552066P
CF info:                  HITACHI_DK23DA-20
```

[Table 80](#) describes the significant fields shown in the display.

Table 80 *show version Field Descriptions*

Field	Description
CPU Model:	Model of the Cisco Unity Express module CPU.
CPU Speed (MHz):	CPU speed, in MHz.
CPU Cache (KByte):	Size of the CPU cache, in KB.
Chassis Type:	Type of chassis of the Cisco Unity Express module.

Table 80 *show version Field Descriptions (continued)*

Field	Description
Chassis Serial:	Serial number of the chassis.
Module Type:	Type of the installed Cisco Unity Express module.
Module Serial:	Serial number of the Cisco Unity Express module.
CF Info:	Brand of the Cisco Unity Express module.

Related Commands

Command	Description
show software	Displays the version numbers of the installed Cisco Unity Express software components.

show voicemail

To display the properties of the voice-mail system, use the **show voicemail** command in Cisco Unity Express EXEC mode.

```
show voicemail {detail {mailbox | user} name | limits | mailboxes [idle number-of-days] | usage
| users}
```

Syntax Description	
detail { mailbox user } <i>name</i>	Displays the details for a general delivery mailbox or a subscriber with the <i>name</i> value. For a general delivery mailbox, use the owner's name, not the name of the group.
limits	Displays default values for all mailboxes.
mailboxes	Displays all configured mailboxes and their current storage status.
idle <i>number-of-days</i>	(Optional) Displays all configured mailboxes that have been inactive for at least the specified number of days.
usage	Displays how much of the voice-mail system's capacity has been used or configured.
users	Lists all the local voice-mail subscribers.

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). The idle keyword was added.
	1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.
	2.1	Broadcast information was added to the displays of the mailboxes and usage options.
	2.3	Number of messages scheduled for future delivery was added to the mailboxes and detail mailbox options.
	3.0	Number of faxes was added to the mailboxes and detail mailbox options.
	3.2	Whether PINless login is enabled was added to the detail mailbox option.
	7.1	Added the display of the announcement-only mailbox type, the list of all active greetings, and the call flow behavior.

Usage Guidelines

If the subscriber specified with the *name* value has a personal mailbox and is the owner of a general delivery mailbox, the **show voicemail detail mailbox** command displays the details for each of the subscriber's mailboxes.

The display of the caller flow behavior shows all of the keys regardless of whether they are configured explicitly for the mailbox. The "Defined In" column indicates if the value is defined by the template, the mailbox configuration, or the system default value.

Because the zero-out feature was migrated to caller flow customization feature in release 7.1, the caller flow information was replaced by the zero-out information.

Examples

The following are samples of output for the **show voicemail** command for a GDM:

```
se-10-0-0-0# show voicemail detail mailbox tech

Owner:                               /sw/local/groups/tech
Type:                                 General Delivery
Description:
AnnouncementOnly                     No
Busy state:                           idle
Enabled:                               enabled
Allow login without pin:              no
Mailbox Size (seconds):                3000
Message Size (seconds):                60
Play Tutorial:                        true
Space Used (seconds):                  0
Fax Enabled:                           true
Total Message Count:                   6
New Message Count:                     2
Saved Message Count:                   0
Future Message Count:                  1
Deleted Message Count:                 3
Fax Message Count:                     1
Expiration (days):                    30
Greeting:                              standard, vacation, busy
Created/Last Accessed:                 Oct 15 2003 04:38:28 GMT+00:00

Created/Last Accessed:                 Nov 04 2008 14:31:14 PST

Caller Input   Call Flow Action   Defined In
0              ignore            Mailbox
1-4            ignore            Default
5              transfer-to 5555   Mailbox
6-8            ignore            Default
9              ignore            Mailbox
#,*            repeat-greeting   Mailbox
```

The following are samples of output for the **show voicemail** command for an personal mailbox:

```
se-10-0-0-0# show voicemail detail mailbox user1

Owner:                               /sw/local/users/user1
Type:                                 Personal
Description:                           user1
AnnouncementOnly                       No
Busy state:                             idle
Enabled:                                 enabled
Allow login without pin:                 yes - from any phone number
Mailbox Size (seconds):                  3000
Message Size (seconds):                  60
```

```

Play Tutorial:                true
Space Used (seconds):        0
Fax Enabled:                 true
Total Message Count:         12
New Message Count:           3
Saved Message Count:         3
Future Message Count:        2
Deleted Message Count:       4
Fax Message Count:           1
Expiration (days):          30
Greeting:                    standard, vacation, busy
Zero Out Number:             1234
Created/Last Accessed:       Nov 05 2003 04:38:28 GMT+00:00

```

```

Caller Input  Call Flow Action  Defined In
0             ignore        Mailbox
1-4           ignore        Default
5             transfer-to 5555  Mailbox
6-8           ignore        Default
9             ignore        Mailbox
#, *         repeat-greeting Mailbox

```

The following are samples of output for the **show voicemail** command for an announcement-only mailbox:

```
se-10-0-0-0# show voicemail detail mailbox tech
```

```

Owner:                        /sw/local/groups/tech
Type:                         Personal
Description:                   tech group announcement-only mailbox
AnnouncementOnly              Yes
Busy state:                    idle
Enabled:                       enabled
Allow login without pin:       no
Mailbox Size (seconds):        3000
Play Tutorial:                 true
Space Used (seconds):          17
Greeting:                      standard, vacation, busy
Created/Last Accessed:         Oct 15 2003 04:38:28 GMT+00:00

```

[Table 81](#) describes the significant fields shown in the displays.

Table 81 *show voicemail detail mailbox Field Descriptions*

Field	Description
Owner	Pathname of the mailbox space. For a general delivery mailbox, this is not the name of the group owner.
Type	Type of mailbox (general, personal, or announcement-only).
Description	Optional description of the mailbox.
Busy state	Current activity state of the mailbox.
Enabled	Indicates whether the mailbox is available to receive calls.
Allow login without pin	Indicates whether PINless login is enabled for access from a subscriber's phone or from any phone. Valid vales are : <i>no</i> , <i>yes - from subscriber phone numbers</i> , and <i>yes - from any phone number</i> .

Table 81 *show voicemail detail mailbox Field Descriptions*

Field	Description
Mailbox Size (seconds)	Configured size of the mailbox, in seconds.
Message Size (seconds)	Permitted maximum message storage size, in seconds.
Play Tutorial	Indication of whether the voice-mail tutorial plays on the subscriber's first entry into the mailbox.
Space Used (seconds)	Number of seconds used for currently stored messages.
Fax Enabled	Indicates whether the mailbox is able to receive faxes from a fax gateway.
Total Message Count	Number of all stored messages in the mailbox.
New Message Count	Number of new messages in the mailbox.
Saved Message Count	Number of saved messages in the mailbox.
Future Message Count	Number of messages scheduled for future delivery.
Deleted Message Count	Number of messages deleted from the mailbox.
Fax Message Count	Number of faxes in the mailbox.
Expiration (days)	Maximum number of days for which messages can be stored in the mailbox.
Greeting	Type of active greeting (standard or alternate).
Zero Out Number	Extension dialed when a caller presses 0 from the auto-attendant application to reach the operator.
Caller Input	Number entered by the caller to imitate a call flow action.
Call Flow Action	Effect on the call flow caused by the caller's input.
Defined In	Whether the call flow action is defined by the mailbox configuration or the system default value.

The following is sample output for the **show voicemail limits** command:

```
se-10-0-0-0# show voicemail limits

Default Mailbox Size (seconds):      3000
Default Caller Message Size (seconds): 60
Maximum Recording Size (seconds):    900
Default Message Age (days):         30
System Capacity (minutes):           3600
Default Prompt Language:              en_ENU
Operator Telephone:                   1000
Maximum Broadcast Size (seconds):     300
Broadcast Message Age (days):        30
Broadcast Message MWI:                disabled
Play Caller Id:                       disabled
Mandatory Message Expiry:             disabled
Mailbox Selection:                    last-redirect
```

[Table 82](#) describes the significant fields shown in the display.

Table 82 *show voicemail limits Field Descriptions*

Field	Description
Default Mailbox Size (seconds)	Configured size of any new mailbox, in seconds.
Default Caller Message Size (seconds)	Permitted maximum message storage size in any new mailbox, in seconds.
Maximum Recording Size (seconds)	Maximum length of a subscriber's outgoing greeting, in seconds.
Default Message Age (days)	Maximum number of days for which messages can be stored in any new mailbox.
System Capacity (minutes)	Maximum storage minutes for all messages and greetings in the system.
Default Prompt Language	Language used for voice-mail prompts.
Operator Telephone	Extension or telephone number for the voice-mail operator.
Maximum Broadcast size (seconds)	Maximum length of a broadcast message, in seconds.
Broadcast Message Age (days)	Maximum number of days for which broadcast messages can be stored.
Broadcast Message MWI	Status of lighting the MWI when a voice mailbox receives a broadcast message.
Play Caller ID	Status of playing caller ID information for incoming voice-mail messages.
Mandatory Message Expiry	Status of system-wide mandatory message expiration.
Mailbox Selection	Mailbox in which a forwarded call's message is stored.

The following is sample output for the **show voicemail mailboxes** command:

```
se-10-0-0-0# show voicemail mailboxes
```

```
OWNER          MSGS NEW SAVE DEL BCST FUTR FAX  MSGTIME MBXSIZE USED
user1          16  16  0  0  4  1  2   3000   3000  100%
user2          16  16  0  0  4  0  4   3000   3000  100%
user3          16  16  0  0  4  2  2   3000   3000  100%
user4          16  16  0  0  4  1  0   3000   3000  100%
```

[Table 83](#) describes the significant fields shown in the display.

Table 83 *show voicemail mailboxes Field Descriptions*

Field	Description
OWNER	Subscriber who has a configured mailbox. Other subscribers may be configured on the system, but only those with mailboxes appear on this list.
MSGS	Total number of messages currently in the owner's mailbox.
NEW	Number of new messages in the owner's mailbox.
SAVE	Number of saved messages in the owner's mailbox.

Table 83 *show voicemail mailboxes Field Descriptions (continued)*

Field	Description
DEL	Number of deleted messages.
BCST	Number of broadcast messages in the owner's mailbox.
FUTR	Number of future messages waiting to be sent.
FAX	Number of faxes in the owner's mailbox.
MSGTIME	Total number of seconds used for messages in the owner's mailbox.
MBXSIZE	Size of the owner's mailbox, in seconds.
USED	Number of seconds used by the owner for messages.

The following is sample output for the **show voicemail mailboxes idle** command:

```
se-10-0-0-0# show voicemail mailboxes idle 7

OWNER                               IDLE  MSGS  MSGTIME  MBXSIZE
"user1"                             11    0    0         3000
"user2"                             11    0    0         3000
"user3"                             11    0    0         3000
"user4"                             11    0    0         3000
"user5"                             11    0    0         3000
```

[Table 84](#) describes the significant fields shown in the display.

Table 84 *show voicemail mailboxes idle Field Descriptions*

Field	Description
OWNER	User ID of the mailbox owner.
IDLE	Number of days for which the mailbox has been idle.
MSGS	Number of messages stored in the mailbox.
MSGTIME	Number of minutes of messages currently stored in the mailbox.
MBXSIZE	Maximum number of storage minutes for the mailbox.

The following is sample output for the **show voicemail usage** command:

```
se-10-0-0-0# show voicemail usage

personal mailboxes:                120
general delivery mailboxes:        0
orphaned mailboxes                 0
capacity of voicemail (minutes):    6000
allocated capacity (minutes):       6000.0
total message time used (seconds):   7543
total message count:                7001
average message length (seconds):    1.0774175117840308
broadcast message count:            4
networking message count:           0
greeting time used (seconds):        3
greeting count:                     1
average greeting length (seconds):    3.0
total time used (seconds):           7546
total time used (minutes):           125.76667022705078
```

```
percentage time used (%):      2
messages left since boot:     5
messages played since boot:   2
messages deleted since boot:  0
```

Table 85 describes the significant fields shown in the display.

Table 85 *show voicemail usage Field Descriptions*

Field	Description
personal mailboxes	Number of configured personal mailboxes.
general delivery mailboxes	Number of configured general delivery mailboxes.
orphaned mailboxes	Number of orphaned mailboxes.
capacity of voicemail (minutes)	Maximum number of storage minutes for the voice-mail system.
allocated capacity (minutes)	Number of storage minutes allocated for the voice-mail system.
total message time used (seconds)	Number of seconds currently used for all messages.
total message count	Number of messages currently stored in all mailboxes.
average message length (seconds)	Average length of all voice messages, in seconds.
broadcast message count	Number of broadcast messages currently stored.
networking message count	Number of recorded network messages.
greeting time used (seconds)	Number of seconds used for all mailbox greetings.
greeting count	Number of recorded greetings.
average greeting length (seconds)	Average length of all greetings, in seconds.
total time used (seconds)	Total seconds used for all messages and greetings.
total time used (minutes)	Total minutes used for all messages and greetings.
percentage used time (%)	Percentage of total minutes used compared to the allocated capacity.
messages left since boot	Number of messages left by all callers to all voice mailboxes, including general-delivery mailboxes (GDMs), since the last software reload.
messages played since boot	Number of messages played to all voice mailbox subscribers and owners, including GDMs, since the last software reload.
messages deleted since boot	Number of messages deleted by all voice mailbox owners, including GDMs, since the last software reload.

The following is sample output for the **show voicemail users** command:

```
se-10-0-0-0# show voicemail users

"user1,/sw/local/users"
"user2,/sw/local/users"
"user3,/sw/local/users"
"user4,/sw/local/users"
"user5,/sw/local/users"
"user6,/sw/local/users"
```

■ show voicemail

```
"user7,/sw/local/users"  
"user8,/sw/local/users"  
"user9,/sw/local/users"
```

Related Commands

Command	Description
show voicemail messages future	Displays all messages queued for future delivery.
voice mailbox owner	Configures a mailbox for a subscriber or group.
voice mailbox unlock	Unlocks a mailbox.
voicemail message future delete	Deletes a message queued for future delivery.

show voicemail broadcast messages

To display details of all broadcast messages on the local system, use the **show voicemail broadcast messages** command in Cisco Unity Express EXEC mode.

show voicemail broadcast messages

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.1	This command was introduced.

Examples The output for this command may appear similar to the following:

```
se-10-0-0-0# show voicemail broadcast messages

Message ID:      JMX0824L4R4-NM-FOC08221WSQ-1103139552166-NBCM
Sender:          1005@nyc.cue.abcdef.com
Length(secs):   10
Start time:     21:12:54 Nov 23 2004 PST
End time:       11:48:06 Dec 4 2004 PST

Message ID:      JMX0824L4R4-NM-FOC08221WSQ-1103084723247-NBCM
Sender:          /sw/local/users/user23
Length(secs):   30
Start time:     08:41:09 Dec 7 2004 PST
End time:       09:00:00 Jan 3 2005 PST
```

[Table 86](#) describes the significant fields shown in the display.

Table 86 *show voicemail broadcast messages Field Descriptions*

Field	Description
Message ID:	Coded identifier of the message.
Sender:	ID of the sender. If the message comes from a remote location, an e-mail domain name appears. If the message comes from a subscriber on the local network, the pathname to the sender appears.
Length (secs):	Length of the broadcast message, in seconds.
Start time:	Time, date, and time zone when the message became available.
End time:	Time, date, and time zone when the message ended.

■ show voicemail broadcast messages

Related Commands	Command	Description
	show voicemail mailboxes	Displays details of all voice mailboxes, including broadcast messages.
	show voicemail usage	Displays the voice-mail usage, including broadcast messages.
	voicemail broadcast message	Configures the start and end times of the broadcast message.
	voicemail broadcast message delete	Deletes a broadcast message.
	voicemail broadcast mwi	Enables the MWI lights for broadcast messages.
	voicemail broadcast recording time	Configures the maximum length of broadcast messages.
	voicemail broadcast vpim-id	Configures the VPIM ID for a network location.
	voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

show voicemail configuration

To display the configured From address for outgoing e-mails, use the **show voicemail configuration** command in Cisco Unity Express EXEC mode.

show voicemail configuration

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3.2	This command was introduced.

Usage Guidelines The default From field e-mail address is *hostname@domain*, where *hostname* is the hostname configured for Cisco Unity Express and *domain* is the domain name configured for Cisco Unity Express. The administrator can configure a more descriptive e-mail address for this field, which appears in e-mail messages and notifications from Cisco Unity Express.

Examples The following is sample output for the **show voicemail configuration** command.

```
se-10-0-0-0# show voicemail configuration
Outgoing Email From-Address:      myname@company.com
```

[Table 87](#) describes the significant fields shown in the display.

Table 87 *show voicemail configuration* Field Descriptions

Field	Description
Outgoing Email From-Address	Customer-defined from-address sent with outgoing e-mail message notifications.

Related Commands	Command	Description
	voicemail configuration	Configures the From field e-mail address for outgoing e-mail messages.
	outgoing-email from-address	

show voicemail conversation

To display the configuration of the voice-mail conversation feature, use the **show voicemail conversation** command in Cisco Unity Express EXEC mode.

show voicemail conversation [caller | subscriber]

Syntax Description	caller	(Optional) Display only the following caller conversation options:
		<ul style="list-style-type: none"> Multiple Msgs Any Mbx Multiple Msgs Same Mbx Recording Prompt
Syntax Description	subscriber	(Optional) Display only the following subscriber conversation options:
		<ul style="list-style-type: none"> Play GDM Summary Play Brief Msg Properties Play Day-of-Week Properties

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail conversation** command in Cisco Unity Express EXEC mode to display the configured values for the voice-mail conversation feature, including addressing mode. To display all values except the message properties, use the command without any optional keywords.

Examples The following is sample output for the **show voicemail conversation** command when the feature is configured using the **voicemail conversation address-by-extension** command:

```
se-10-0-0-0# show voicemail conversation

Addressing Mode:          address-by-extension
Multiple Msgs Any Mbx:   enabled
Multiple Msgs Same Mbx:  enabled
Play GDM Summary:       enabled
Recording Prompt:        disabled
```

The following is sample output for the **show voicemail conversation** command when the feature is configured using the **voicemail conversation address-by-name** command:

```
se-10-0-0-0# show voicemail conversation

Addressing Mode:          address-by-name
Multiple Msgs Any Mbx:   enabled
Multiple Msgs Same Mbx:  enabled
```

```
Play GDM Summary:      enabled
Recording Prompt:     disabled
```

The following is sample output for the **show voicemail conversation caller** command:

```
se-10-0-0-0# show voicemail conversation caller
```

```
Multiple Msgs Any Mbx:  enabled
Multiple Msgs Same Mbx: enabled
Recording Prompt:      disabled
```

The following is sample output for the **show voicemail conversation subscriber** command:

```
se-10-0-0-0# show voicemail conversation caller subscriber
```

```
Play GDM Summary: enabled
Play Brief Msg Properties: disabled
Play Day-of-Week Properties: enabled
```

Table 88 describes the significant fields shown in the displays.

Table 88 *show voicemail conversation Field Descriptions*

Field	Description
Addressing Mode:	Whether the default addressing for voice-mail messages is by name or by extension.
Multiple Msgs Any Mbx:	Whether the caller can leave multiple messages for any mailbox.
Multiple Msgs Same Mbx:	Whether the caller can leave multiple messages for the same mailbox.
Play GDM Summary:	Whether to play summary of new messages in all of the GDMs associated with a user.
Play Brief Msg Properties:	Whether to strip the sender information, date, and time from the message properties playback.
Play Day-of-Week Properties:	Whether to play the day-of-week properties in the message properties playback.
Recording Prompt:	Whether the voice-mail conversion recording prompt is enabled.

Related Commands

Command	Description
voicemail conversation address-by	Specifies how voice-mail messages are addressed.
voicemail conversation caller multi-msgs-any-mbx	Enables the caller to leave multiple messages for any mailbox.
voicemail conversation caller multi-msgs-same-mbx	Enables the caller to leave multiple messages for the same mailbox.
voicemail conversation subscriber msg-properties brief	Specifies that only a subset of the system-wide message properties (envelope) are played for regular voice-mail messages.

Command	Description
voicemail conversation subscriber msg-properties day-of-week	Includes the playing of the day-of-week information in the message properties (envelope) for regular voice-mail messages.
voicemail conversation subscriber play-gdm-summary	Enables the playing of a summary of new messages in all of the GDMs associated with a user.

show voicemail conversation caller caller-flow restriction-table

To display information about the restriction table associated with the caller input feature, use the **show voicemail conversation caller caller-flow restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail conversation caller caller-flow restriction-table

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command replaces the **show voicemail zero-out restriction-table** command in versions 7.1 and later.

Examples

The following is sample output for the **show voicemail conversation caller caller-flow restriction-table** command:

```
se-10-0-0-0# show voicemail conversation caller caller-flow restriction-table

Restriction Table: caller-flow-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1          19000...   yes
  2          170000    yes
  3          *         yes
```

[Table 89](#) describes the significant fields shown in the display.

Table 89 *show voicemail conversation caller caller-flow restriction-table Field Descriptions*

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.

Table 89 *show voicemail conversation caller caller-flow restriction-table Field Descriptions*

Field	Description
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands

Command	Description
restriction create	Creates a restriction table.
restriction delete	Deletes a restriction table.
restriction dial-string	Specifies the restricted number dial pattern.
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.

show voicemail fax restriction-table

To display information about the restriction table associated with the fax system, use the **show voicemail fax restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail fax restriction-table

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail fax restriction-table** command in Cisco Unity Express EXEC mode to display the name and contents of the restriction table associated with the fax system. This restriction table is used for outgoing faxes from the voice-mail system.

Examples The following is sample output for the **show voicemail fax restriction-table** command:

```
se-10-0-0-0# show voicemail fax restriction-table

Restriction Table:      fax-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1          19000...   yes
  2          170000    yes
  3          *         yes
```

[Table 90](#) describes the significant fields shown in the display.

Table 90 *show voicemail fax restriction-table* Field Descriptions

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

■ show voicemail fax restriction-table

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	voicemail fax restriction	Associates a restriction table with the fax feature.

show voicemail live-record

To display the configuration of the live-record feature, use the **show voicemail live-record** command in Cisco Unity Express EXEC mode.

show voicemail live-record

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail live-record** command in Cisco Unity Express EXEC mode to display the configuration of the live-record feature.

For disclaimer information about this feature, see the legal information immediately following the title page.

Examples The following are samples of output for the **show voicemail live-record** command:

```
se-10-0-0-0# show voicemail live-record
```

```
Status: enabled
pilot number: 0295
Conversation beep settings
  duration: 250 milliseconds
  interval: 15 seconds
```

```
Status: disabled
pilot number: disabled
Conversation beep settings
  duration: disabled
  interval: 15 seconds
```

[Table 91](#) describes the significant fields shown in the display.

Table 91 *show voicemail live-record Field Descriptions*

Field	Description
Pilot Number:	Number that forwards all incoming calls to the Cisco Unity Express voicemail pilot number.
Duration:	Elapsed time from when a beep starts playing to when it finishes playing, in milliseconds. Range is from 50 to 1000 ms. The default is 250 ms.
Interval:	Elapsed time from the end of one beep and the start of the next beep, in seconds. The a range is 1 to 30 seconds. The default is 15 seconds.

Related Commands	Command	Description
	voicemail live-record beep duration	Sets the elapsed time from when a beep starts playing to when it finishes playing.
	voicemail live-record beep interval	Sets the elapsed time from the end of one beep and the start of the next beep.
	voicemail live-record pilot-number	Set the number that forwards all incoming calls to the Cisco Unity Express voice-mail pilot number.

show voicemail live-reply

To display the configuration of the live-reply feature, use the **show voicemail live-reply** command in Cisco Unity Express EXEC mode.

show voicemail live-reply

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail live-reply** command in Cisco Unity Express EXEC mode to display the configuration of the live-reply feature.

Examples The following is sample output for the **show voicemail live-reply** command:

```
se-10-0-0-0# show voicemail live-reply

Status:                enabled
Remote subscriber dialing
  calling number rule: location+prefix+extension
  number preference:    E164 number then calling number rule

Restriction Table:      live-reply-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
1           19000...    yes
2           170000     yes
3           *          yes
```

[Table 92](#) describes the significant fields shown in the display.

Table 92 *show voicemail live-reply Field Descriptions*

Field	Description
Status:	Whether the live-reply feature is enabled.
Calling Number Rule:	Method used to derive the string of digits needed to reach the subscriber that sent a network voice-mail message.
Number Preference:	Precedence of using the E.164 number supplied in the delivered VPIM message over the number generated by the calling number rule for live reply.

Table 92 *show voicemail live-reply Field Descriptions (continued)*

Field	Description
Restriction Table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands

Command	Description
calling-number-rule prepend-digits	Specifies additional digits to dial before the calling number rule for the live-reply feature.
voicemail live-reply calling-number-rule	Specifies how to derive the live-reply extension from configuration and VPIM voice card data.
voicemail live-reply enable	Enables the live-reply feature at the system level.
voicemail live-reply network precedence	Specifies the precedence for deriving the E.164 number used for the live-reply feature.
voicemail live-reply restriction	Associates a restriction table with the live-reply feature.

show voicemail live-reply restriction-table

To display information about the restriction table associated with the live-reply feature, use the **show voicemail live-reply restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail live-reply restriction-table

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **show voicemail live-reply restriction-table** command in Cisco Unity Express EXEC mode to display the name and contents of the restriction table associated with the live-reply feature.

Examples

The following is sample output for the **show voicemail live-reply restriction-table** command:

```
se-10-0-0-0# show voicemail live-reply restriction-table

Restriction Table: live-reply-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1          19000...  yes
  2          170000   yes
  3          *         yes
```

[Table 93](#) describes the significant fields shown in the display.

Table 93 *show voicemail live-reply restriction-table Field Descriptions*

Field	Description
Restriction Table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

■ show voicemail live-reply restriction-table

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	voicemail live-reply restriction	Associates a restriction table with the live-reply feature.

show voicemail messages future

To display all messages scheduled for future delivery, use the **show voicemail messages future** command in Cisco Unity Express EXEC mode.

show voicemail messages future

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.
3.0	This command was extended to display messages that will be sent to external numbers.
3.2	This command was extended to label messages that will be sent to external numbers as non-subscriber instead of external.

Examples

The following is sample output for the **show voicemail messages future** command.

```
se-10-0-0-0# show voicemail messages future

Message ID:      JMX0637L023-NM-FOC08221WRB-731357131983
Sender:          User1
Recipient(s):    UserA
Length(sec):     30
Delivery time:   Mon, 11 April 2006 08:0000-0800 (PST)

Message ID:      JMX0637L023-NM-FOC08221WRB-731183375855
Sender:          User2
Recipient(s):    UserB, 95550041 (non-subscriber)
Length(sec):     20
Delivery time:   Wed, 13 April 2006 10:15:00-0800 (PST)
```

[Table 94](#) describes the significant fields shown in this display.

Table 94 *show voicemail messages future* Field Descriptions

Field	Description
Message ID:	System-generated ID for the future message.
Sender:	User ID of the subscriber who sent the message.
Recipient(s):	User ID(s) or external number(s) of the recipient(s) of the message.
Length (sec):	Length of the message, in seconds.
Delivery time:	Scheduled date and time when the message will be delivered.

■ show voicemail messages future

Related Commands	Command	Description
	voicemail message future delete	Deletes a message queued for future delivery.

show voicemail msg-notification restriction-table

To display information about the restriction table associated with the message notification feature, use the **show voicemail msg-notification restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail msg-notification restriction-table

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail msg-notification restriction-table** command in Cisco Unity Express EXEC mode to display the name and contents of the restriction table associated with the message notification feature.

An error message appears when a restriction table does not exist. To create a restriction table, see the **restriction create** command. To configure a restriction table, see the Related Commands section.

Examples The following is sample output for the **show voicemail msg-notification restriction-table** command:

```
se-10-0-0-0# show voicemail msg-notification restriction-table

Restriction Table: msg-restriction
Minimum digits allowed:  1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1          19000...   yes
  2          170000    yes
  3          *          yes
```

[Table 95](#) describes the significant fields shown in the display.

Table 95 *show voicemail msg-notification restriction-table Field Descriptions*

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.

Table 95 *show voicemail msg-notification restriction-table Field Descriptions (continued)*

Field	Description
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands

Command	Description
restriction create	Creates a restriction table.
restriction dial-string	Specifies the restricted number dial pattern.
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.

show voicemail non-subscriber restriction-table

To display information about the restriction table associated with the non-subscriber message delivery feature, use the **show voicemail non-subscriber restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail non-subscriber restriction-table

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **show voicemail non-subscriber restriction-table** command in Cisco Unity Express EXEC mode to display the name and contents of the restriction table associated with the non-subscriber message delivery feature.

Examples The following is sample output for the **show voicemail non-subscriber restriction-table** command:

```
se-10-0-0-0# show voicemail non-subscriber restriction-table

Restriction Table: non-subscriber-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference  Call Pattern  Allowed
  1          19000...   yes
  2          170000    yes
  3          *         yes
```

[Table 96](#) describes the significant fields shown in the display.

Table 96 *show voicemail non-subscriber restriction-table Field Descriptions*

Field	Description
Restriction Table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial string in the table. The lower number has a higher preference.

Table 96 *show voicemail non-subscriber restriction-table Field Descriptions (continued)*

Field	Description
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands

Command	Description
restriction create	Creates a restriction table.
voicemail non-subscriber restriction	Associates a restriction table with the non-subscriber message delivery feature.

show voicemail notification

To display system-wide notification settings, use the **show voicemail notification** command in Cisco Unity Express EXEC mode.

show voicemail notification

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was extended to also display the status of the user level message notification cascading feature.
	8.0	This command was extended to add the following fields: <ul style="list-style-type: none"> • LiveRecord Notification • Notification Prefix Text Message • Notification Suffix Text Message

Usage Guidelines This command displays system-wide voice mail notification configuration values. Some of these values may be configured differently for specific subscribers. See the **username profile**, **groupname profile**, and **show voicemail notification owner** commands.

Examples The following are samples of output for the **show voicemail notification** command for Cisco Unity Express 7.1 versions or earlier:

```
se-10-0-0-0# show voicemail notification

Message Notification:      enabled
Notification Preference:  all
Connection Timeout:      60 seconds
Login to VoiceMail allowed: no
Attach voice message:    yes
Cascading:                enabled

se-10-0-0-0# show voicemail notification

Message Notification:      disabled
Notification Preference:  urgent
Connection Timeout:      75 seconds
Login to VoiceMail allowed: yes
Attach voice message:    yes
Cascading:                disabled
```

The following are samples of output for the **show voicemail notification** command for Cisco Unity Express 8.0 versions or later:

```
Message Notification:      enabled
Notification Preference:  all
Connection Timeout:      60 seconds
Login to VoiceMail allowed: no
Attach voice message:    yes
Cascading:                enabled
LiveRecord Notification:  disabled
  Notification Prefix Text Message:
    You have a new voicemail.
Notification Suffix Text Message:
```

```
se-10-0-0-0# show voicemail notification
```

```
Message Notification:      disabled
Notification Preference:  urgent
Connection Timeout:      75 seconds
Login to VoiceMail allowed: yes
Attach voice message:    yes
Cascading:                disabled
LiveRecord Notification:  disabled
  Notification Prefix Text Message:
    You have a new voicemail.
Notification Suffix Text Message:
```

[Table 97](#) describes the significant fields shown in the displays.

Table 97 *show voicemail notification Field Descriptions*

Field	Description
Message Notification:	Status of the system-wide message notification capability.
Notification Preference:	Category of notifications sent to subscribers.
Connection Timeout:	Number of seconds after which an outgoing message notification call is disconnected. This value applies only to phone devices and numeric pagers.
Login to Voicemail allowed:	Status of permission that allows subscribers to log in to their voice mailboxes during outgoing notification calls.
Attach voice message: or Attach message to email notification:	Status of permission that allows subscribers to attach voice-mail messages to outgoing notification e-mails.
Cascading:	Status of the user-level message notification cascading feature.
LiveRecord Notification:	Status of the LiveRecord notification feature.
Notification Prefix Text Message:	The configured voicemail notification prefix.
Notification Suffix Text Message:	The configured voicemail notification suffix.

Related Commands	Command	Description
	groupname profile	Configures a group's cell phone, e-mail, numeric pager, or text pager for message notification.
	show voicemail notification owner cascade	Displays the message notification information for a specific subscriber or group.
	username profile	Configures a subscriber's cell phone, e-mail, numeric pager, or text pager for message notification.
	voicemail notification allow-login	Configures e-mail login during a message notification call.
	voicemail notification cascade-to after	Defines a rule for the user level message notification cascading feature.
	voicemail notification cascading enable	Enables the user level message notification cascading feature.
	voicemail notification connect-timeout	Sets the message timeout length.
	voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
	voicemail notification enable	Enables the message notification feature.
	voicemail notification owner	Enables message notification for a specific subscriber or group.
	voicemail notification preference	Sets the message notification preference type.
	voicemail notification text prefix	Appends a text message preceding a voicemail notification on a system-wide basis.
	voicemail notification text suffix	Appends signature text following the notification text on a system-wide basis.

show voicemail notification owner

To display the message notification information for a specific subscriber or group, use the **show voicemail notification owner** command in Cisco Unity Express EXEC mode.

show voicemail notification owner *owner-id* [**profile** | **cell-phone** | **email** | **home-phone** | **num-pager** | **text-pager** | **work-phone**]

Syntax Description

owner-id	ID of the subscriber or group whose message notification information is displayed.
profile	(Optional) Displays the status of the message notification feature for the specified subscriber or group.
cell-phone	(Optional) Displays the details of the cell phone notification profile for the specified subscriber or group.
email	(Optional) Displays the details of the e-mail notification profile for the specified subscriber or group.
home-phone	(Optional) Displays the details of the home phone notification profile for the specified subscriber or group.
num-pager	(Optional) Displays the details of the numeric pager notification profile for the specified subscriber or group.
text-pager	(Optional) Displays the details of the text pager notification profile for the specified subscriber or group.
work-phone	(Optional) Displays the details of the work phone notification profile for the specified subscriber or group.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Examples

The following are samples of output for the **show voicemail notification owner** command:

```
se-10-0-0-0# show voicemail notification owner user3 profile
```

```
Message notification: enabled
Profile: vm-notif-profile
```

```
se-10-0-0-0# show voicemail notification owner sales profile
```

```
Message notification: enabled
Profile: vm-notif-profile
Device          Status      Preference      Number/Email      Extra-Digits      Attach VM
-----
Home Phone     disabled   urgent
Work Phone     enabled    all              12225550100
Cell Phone     disabled   urgent
Numeric Pager  disabled   urgent
```

```
Text Pager      disabled      urgent
Email inbox    enabled      all          sales@company.com      yes
```

Table 98 describes the significant fields shown in the display

Table 98 *show voicemail notification owner profile Field Descriptions*

Field	Description
Message notification:	Status of message notification for the owner.
Profile:	Name of owner's message notification profile file.
Device	Type of device configured to receive notifications for the owner.
Status	Status of each device configured to receive notifications for the owner.
Preference	Category of message notifications that the owner can receive.
Number/Email	Device phone number or e-mail address.
Extra digits	Extra digits to be sent to the phone device.
Attach VM	Status of permission for this owner to attach voice-mail messages to outgoing e-mail notifications.

```
se-10-0-0-0# show voicemail notification owner user3 cell-phone
```

```
Profile:      vm-notif-profile
Device:      cell-phone
Enabled:     yes
Preference:  urgent
Phone/Email: 12225550150
Extra Digits:
Schedule (active hours):
  Sunday      Inactive all day
  Monday      08:00 to 11:30, 13:00 to 17:00
  Tuesday     13:00 to 17:00
  Wednesday   08:00 to 12:00, 13:00 to 15:00
  Thursday    Inactive all day
  Friday      09:30 to 13:30
  Saturday    Inactive all day
```

```
se-10-0-0-0# show voicemail notification owner sales email
```

```
Profile:      vm-notif-profile
Device:      email
Enabled:     yes
Preference:  all
Phone/Email: sales@company.com
Attach VM:   yes
Schedule (active hours):
  Sunday      Inactive all day
  Monday      08:00 to 17:00
  Tuesday     08:00 to 17:00
  Wednesday   08:00 to 20:00
  Thursday    08:00 to 18:00
  Friday      08:00 to 17:00
  Saturday    10:00 to 14:00
```

Table 99 describes the significant fields shown in the display.

Table 99 *show voicemail notification owner (device) Field Descriptions*

Field	Description
Profile:	Name of the owner's voice profile file.
Device:	Type of device configured to receive notifications for the owner.
Enabled:	Status of message notification capability for the device.
Preference:	Category of message notifications that the device can receive.
Phone/Email:	Phone number or e-mail address of the device.
Attach VM:	Status of permission for this device to receive voice-mail messages attached to incoming e-mail messages.
Schedule (active hours):	Days and times of the week when the device can send and receive message notifications.

Related Commands

Command	Description
groupname profile (phone-device)	Configures message notifications for a group's cell phone.
groupname profile email	Configures message notifications for a group's e-mail.
groupname profile num-pager	Configures message notifications for a group's numeric pager.
groupname profile text-pager	Configures message notifications for a group's text pager.
username profile (phone devices)	Configures message notifications for a subscriber's cell phone.
username profile email	Configures message notifications for a subscriber's e-mail.
username profile num-pager	Configures message notifications for a subscriber's numeric pager.
username profile text-pager	Configures message notifications for a subscriber's text pager.

show voicemail notification owner cascade

To display the details of the cascading message notification rules configured for a specific subscriber or group, use the **show voicemail notification owner cascade** command in Cisco Unity Express EXEC mode.

show voicemail notification owner *owner-id* cascade

Syntax Description

<i>owner-id</i>	ID of the subscriber or group whose message notification information is displayed.
-----------------	--

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Examples

The following are samples of output for the **show voicemail notification owner cascade** command:

```
se-10-0-0-0# show voicemail notification owner cascade
```

```
Cascade To:
  user4 after 8 minutes
  group2 after 6 minutes
```

[Table 100](#) describes the significant fields shown in the display

Table 100 *show voicemail notification owner cascade Field Descriptions*

Field	Description
Cascade To:	The users to whom cascaded notification is being sent and the corresponding amount of time after which the notification cascade occurs.

Related Commands

Command	Description
groupname profile email	Configures message notifications for a group's e-mail.
username notification cascade-to after	Configures message notifications for a group's cell phone.

show voicemail notification queue

To display the status of the voicemail notification queue, use the **show voicemail notification queue** command in Cisco Unity Express EXEC mode.

show voicemail notification queue {email | phone}

Syntax Description

email	Displays details of the notifications in the e-mail queue.
phone	Displays details of the notifications in the phone queue.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Usage Guidelines

The queues show the jobs that are waiting to be sent out.

After the job enters one of the queues, you cannot delete the job. The system deletes the job after the notification is sent.

Examples

The following examples show output from the **show voicemail notification queue** command:

```
se-10-0-0-0# show voicemail notification queue email
```

```
OWNER          DEVICE TYPE      TIME
user1          Text Pager       723232
user1          Email inbox      2323343
```

```
se-10-0-0-0# show voicemail notification queue phone
```

```
OWNER          DEVICE TYPE      TIME
user1          Numeric Pager    342343
```

[Table 101](#) describes the significant fields shown in the display.

Table 101 *show voicemail notification queue Field Descriptions*

Field	Description
OWNER	Subscriber that received a new voice message and to whom the system is sending the notification.
DEVICE TYPE	Device that is receiving the notification.
TIME	Time when the system inserted the job into the queue.

Related Commands	Command	Description
	voicemail notification allow-login	Configures e-mail login during a message notification call.
	voicemail notification connect-timeout	Sets the message timeout length.
	voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
	voicemail notification enable	Enables the message notification feature.
	voicemail notification owner	Enables message notification for a specific subscriber or group.
	voicemail notification preference	Sets the message notification preference type.

show voicemail notification restriction-table

To display the details of the notification restriction table, use the **show voicemail notification restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail notification restriction-table

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.3	This command was introduced.

Examples

The following are sample outputs for the **show voicemail notification restriction-table** command:

```
se-10-0-0-0# show voicemail notification restriction-table

Restriction table:          msg-notification
Minimum digits allowed:    5
Maximum digits allowed:   18
Dial-Strings:
  Preference    Call Pattern    Allowed
  1             91222*         Yes
  2             *              No
```

[Table 102](#) describes the significant fields shown in the display.

Table 102 *show voicemail notification restriction-table Field Descriptions*

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial-Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Related Commands

Command	Description
restriction dial-string	Configures the dial patterns for a restriction table.
restriction max-digits	Sets the maximum number of digits in a restricted number.
restriction min-digits	Sets the minimum number of digits in a restricted number.

show voicemail zero-out restriction-table

To display information about the restriction table associated with the zero out feature, use the **show voicemail zero-out restriction-table** command in Cisco Unity Express EXEC mode.

show voicemail zero-out restriction-table

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	7.1	This command was deprecated.

Usage Guidelines This command is replaced by the **show voicemail conversation caller caller-flow restriction-table** command in versions 7.1 and later.

Examples The following is sample output for the **show voicemail zero-out restriction-table** command:

```
se-10-0-0-0# show voicemail zero-out restriction-table

Restriction Table: zero-out-restriction
Minimum digits allowed: 1
Maximum digits allowed: 30
Dial Strings:
Preference   Call Pattern   Allowed
-----
1            19000...      yes
2            170000        yes
3            *              yes
```

[Table 90](#) describes the significant fields shown in the display.

Table 103 *show voicemail zero-out restriction-table Field Descriptions*

Field	Description
Restriction table:	Name of the restriction table.
Minimum digits allowed:	Minimum number of digits allowed in a restricted number.
Maximum digits allowed:	Maximum number of digits allowed in a restricted number.
Dial Strings:	List of dial-string entries in the table.
Preference	Priority of a dial-string in the table. The lower number has a higher preference.
Call Pattern	Pattern of digits to match against a dialed number.
Allowed	Permission to allow or prohibit a call matching the call pattern.

Command	Description
restriction create	Creates a restriction table.
restriction delete	Deletes a restriction table.
restriction dial-string	Specifies the restricted number dial pattern.
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.

show voiceview configuration

To display the VoiceView Express configuration parameters, use the **show voiceview configuration** command in Cisco Unity Express EXEC mode.

show voiceview configuration

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

Examples The following is sample output for the **show voiceview configuration** command:

```
se-10-0-0-0# show voiceview configuration

Phone service URL:      http://cuehost/voiceview/common/login.do
Enabled:                Yes
Idle Timeout:          15 minutes
```

[Table 104](#) describes the significant fields shown in the display.

Table 104 *show voiceview configuration Field Descriptions*

Field	Description
Phone service URL:	URL of the external authentication server.
Enabled:	Status of VoiceView Express on the local system.
Idle Timeout:	Number of minutes a VoiceView Express session can be idle before the system terminates the session.

Related Commands	Command	Description
	enable (VoiceView Express)	Enables the VoiceView Express feature.
	fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
	service phone-authentication	Enters VoiceView Express phone authentication mode.

Command	Description
service voiceview	Enters VoiceView Express configuration mode.
service voiceview session terminate	Terminates an active VoiceView Express session.
session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
show phone-authentication configuration	Displays the VoiceView Express phone authentication parameters.
show voiceview sessions	Displays all active VoiceView Express sessions.

show voiceview sessions

To display a list of all active VoiceView Express sessions, use the **show voiceview sessions** command in Cisco Unity Express EXEC mode.

show voiceview sessions

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.3	This command was introduced.
	3.0	This command was implemented on the advanced integration module (AIM).

Usage Guidelines This command is not available on the AIM in version 2.3 and earlier.

If the subscriber is logged into VoiceView Express and has active RTP streams, such as listening to a message or recording a message, the RTP column displays “Yes.”

If the subscriber is logged into VoiceView Express but has no RTP streams, such as browsing through messages or configuring some parameter, the RTP column displays “No.”

Examples The following is sample output for the **show voiceview sessions** command:

```
se-10-0-0-0# show voiceview sessions

Mailbox      RTP      User ID      Phone MAC Address
1013         Yes      user1        0015.C68E.6C1E
1016         No       user2        0015.629F.8709
1004         Yes      user3        000C.30DE.5EA8

3 sessions
2 active RTP stream(s)
```

[Table 105](#) describes the significant fields shown in the display.

Table 105 *show voiceview sessions Field Descriptions*

Field	Description
Mailbox	Mailbox number for each logged-in subscriber.
RTP	Status of RTP streaming for the subscriber.
User ID	ID of the subscriber.
Phone MAC Address	MAC address of the subscriber’s configured VoiceView Express device.

Related Commands	Command	Description
	enable (VoiceView Express)	Enables the VoiceView Express feature.
	fallback-url (Cisco Unified Communications Manager Express Only)	Configures a fallback authentication server.
	service phone-authentication	Enters VoiceView Express phone authentication mode.
	service voiceview	Enters VoiceView Express configuration mode.
	service voiceview session terminate	Terminates an active VoiceView Express session.
	session idletimeout (VoiceView Express)	Specifies the VoiceView Express session idletimeout value.
	show phone-authentication configuration	Displays the VoiceView Express phone authentication parameters.
	show voiceview configuration	Displays all VoiceView Express configuration parameters.

show web session security

To display the security key for accessing the Cisco Unity Express GUI using HTTPS, use the **show web session security** command in Cisco Unity Express EXEC mode.

show web session security keylabel

Syntax Description	keylabel	The certificate-key pair to the HTTPS connection.
--------------------	----------	---

Command Modes	Cisco Unity Express EXEC
---------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	3.2	This command was introduced.

Examples The following is sample output for the **show web session security** command:

```
se-10-0-0-0# show web session security keylabel
Key Label is mainkey.ourcompany
```

Related Commands	Command	Description
	crypto key generate	Generates a certificate-private key pair.
	web session security	Associates a security key for accessing the Cisco Unity Express GUI using HTTPS.

show webapp–IVR Only

To display and monitor the currently configured Cisco Unity Express IVR web applications, use the **show webapp** command in Cisco Unity Express IVR user EXEC mode.

show webapp

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express IVR user EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Until the first call that matches an application trigger reference is received, the initial status of the deployed web application is shown as *running*, and the number of sessions is 0. After the initial deployment, the session count increments by 1 for each triggered call received, and decrements by 1 for each triggered call terminated. Sessions persist for a short period of time after the call is terminated, so the session count lags the real-time call termination for a short period.

Examples The following example output from the **show webapp** command shows output for all web applications:

```
se-10-0-0-0> show webapp
Webapp      Status  #Sessions
Webapp1     running    2
Webapp2     stopped    0
```

The output displays the name, status (*running* or *stopped*), and number of connected sessions of the web application.

Related Commands	Command	Description
	webapp delete–IVR Only	Deploys and manages Cisco Unity Express IVR web applications.

shutdown

To turn off the Cisco Unity Express system, use the **shutdown** command in Cisco Unity Express EXEC mode.

shutdown



Caution

Always shut down the module before power-cycling the router to prevent file corruption and data loss.

Syntax Description

This command has no arguments or keywords.

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 (NM) 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 shut down the Cisco Unity Express AIM or NM.



Caution

The shutdown is immediate. The software does not ask for confirmation.

Examples

The following example shows the shutdown of a CUE network module:

```
se-10-10-0-0# shutdown
se-10-10-0-0#
MONITOR SHUTDOWN...
EXITED: probe exit status 0
EXITED: LDAP_startup.sh exit status 0
EXITED: HTTP_startup.sh exit status 0

MONITOR EXIT...
Remounting device 03:01 ... OK
Done.
System halted.
```

■ shutdown

Related Commands

Command	Description
reload	Starts the Cisco Unity Express system.

site name

To create a site, use the **site name** command in Cisco Unity Express configuration mode. Use the **no** form of the command to delete a site.

site name *sitename*

no site name *sitename*

Syntax Description	<i>sitename</i>	Hostname of the local site to configure.
Defaults	None.	
Command Modes	Cisco Unity Express configuration	
Command History	Cisco Unity Express Version	Modification
	3.2	This command now affects the configuration of the Web username and Web password of the local site.
Usage Guidelines	The site name syntax is the same as the username and can contain letters, numbers, hyphen, and dots, with a maximum of 32 characters. There is a predefined site called “local” on the system that represents the central Cisco Unified CME site. The local site cannot be deleted.	
Examples	The following example creates a site called site1: <pre>se-10-0-0-0# config t se-10-0-0-0(config)# site name site1</pre>	
Related Commands	Command	Description
	description (site)	Configures a description for a specific site.
	web username password (site)	Configures the Web username and Web password for a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site
	xml username password (site)	Configures the XML username and password for a site.
	xml credentials hidden (site)	Configures the XML hidden credentials for a site

smtp server address

To configure an SMTP server address on Cisco Unity Express, use the **smtp server address** command in Cisco Unity Express configuration mode. To remove the SMTP server from Cisco Unity Express, use the **no** form of this command.

```
smtp server address {hostname | ip-address} [port port] authentication {none | username userid
password password | credentials credential-string}
```

```
no smtp server address {hostname | ip-address}
```

Syntax Description	
<i>hostname</i>	Hostname of the SMTP server.
<i>ip-address</i>	IP address of the SMTP server.
port <i>port</i>	Optionally specifies a port number for the SMTP server. The default port number is 25.
authentication	Sets the authentication for the SMTP server address.
none	Indicates that the SMTP server does not require authentication.
username <i>userid</i>	Authentication user ID of the SMTP server.
password <i>password</i>	Authentication password of the SMTP server.
credentials <i>credential-string</i>	Authentication credential string for the SMTP server. Copy and paste this string from the running or startup configuration.

Defaults SMTP server is not configured.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines Sending notifications to a subscriber's e-mail or text messages to text pagers requires an SMTP server. If the administrator tries to enable message notification on a system-wide basis and no SMTP server is configured, the system generates an error message.

If the administrator tries to use a hostname for the SMTP server and the DNS server is not configured, the system generates an error message.

The range of valid values for the port number is between 1 and 65535. The default port number is 25. You can remove a port setting by entering the **smtp server address** command with the **port** keyword.

Examples

The following example configures the SMTP server with IP address 10.10.5.5 that does not require authentication.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# smtp server address 10.10.5.5 authentication none
```

The following example configures the SMTP server mainsmtp that requires user ID server1 and password pwd123 for authentication.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# smtp server address mainsmtp authentication username server1 password
pwd123
```

The following example configures the SMTP server with IP address 172.16.1.1 and requires credentials for authentication.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# smtp server address 172.16.1.1 authentication credentials
```

Related Commands

Command	Description
show smtp server	Displays the SMTP server configuration.
smtp server security	Configures the security settings for the SMTP server.

smtp server security

To configure the security settings for the SMTP server, use the **smtp server security** command in Cisco Unity Express configuration mode. To remove the security settings, use the **no** form of this command.

```
smtp server security {ssl | starttls}
```

```
no smtp server security {ssl | starttls}
```

Syntax Description

ssl	Specifies that Secure Socket Layer (SSL) is enabled.
starttls	Specifies that STARTTLS is enabled.

Command Default

Security settings for the SMTP server are not enabled.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
8.6	This command was introduced.

Usage Guidelines

If you configure this command, then you must configure the port number for the **smtp server address** command as follows:

- SSL—port 465
- STARTTLS—port 587

Examples

The following example configures the SMTP server security settings to use SSL:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# smtp server security ssl
se-10-0-0-0(config)# smtp server address 10.10.5.5 port 465
```

Related Commands

Command	Description
show smtp server	Displays the SMTP server configuration.
smtp server address	Configures an SMTP server address on Cisco Unity Express.

snmp-server community

To enable SNMP and set the community string, use the **snmp-server community** command in Cisco Unity Express configuration mode. To remove the community string, use the **no** form of this command.

```
snmp-server community community-string {ro|rw}
```

```
no snmp-server community community-string {ro|rw}
```

Syntax Description

<i>community-string</i>	String that acts as a password and permits access to the SNMP protocol. Maximum length is 15 alphanumeric characters, including letters A to Z, letters a to z, digits 0 to 9, underscore (_), and hyphen (-). The password does not have to begin with a letter.
ro	Specifies read-only access.
rw	Specifies read-write access.

Defaults

No community strings are defined.

Command Modes

Cisco Unity Express configuration

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

The system supports a maximum of 5 read-only community strings and 5 read-write community strings. The **no snmp-server community** command disables SNMP.

Examples

The following example enables SNMP and defines two read-only and four read-write community strings.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# snmp-server community nycaccess ro
se-10-0-0-0(config)# snmp-server community sjca_access ro
se-10-0-0-0(config)# snmp-server community nycadmin rw
se-10-0-0-0(config)# snmp-server community sj_admin rw
se-10-0-0-0(config)# snmp-server community texas_admin rw
se-10-0-0-0(config)# snmp-server community admin_main% rw
se-10-0-0-0(config)# end
```

The following example removes two strings:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no snmp-server community sjca_access ro
se-10-0-0-0(config)# no snmp-server community sj_admin rw
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
show snmp configuration	Displays the SNMP configuration.
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.

snmp-server contact

To enter contact information for the SNMP host, which is then stored in the CISCO-UNITY-EXPRESS-MID, use the **snmp-server contact** command in Cisco Unity Express configuration mode. To remove the sysContact string, use the **no** form of this command.

snmp-server contact *“contact-string”*

no snmp-server contact *“contact-string”*

Syntax Description	<i>“contact-string”</i>	String that describes the system contact information. Maximum length is 31 alphanumeric characters.
Defaults	No contact string is defined.	
Command Modes	Cisco Unity Express configuration	
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	<p>This command is optional.</p> <p>The string must be entered within double quotes (“ ”).</p> <p>The <i>contact-string</i> value sets the sysContact string in the CISCO-UNITY-EXPRESS-MIB.</p>	
Examples	<p>The following example defines the sysContact string.</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# snmp-server contact "Dial System Operator at ext 75555" se-10-0-0-0(config)# end</pre>	
Related Commands	Command	Description
	show snmp configuration	Displays the SNMP configuration.
	snmp-server community	Enables SNMP and sets community strings.
	snmp-server enable traps	Enables SNMP traps.
	snmp-server host	Specifies up to 5 SNMP hosts.
	snmp-server location	Specifies SNMP host location information.

snmp-server enable cueShutdownRequest

To enable SNMP shutdown requests, use the **snmp-server enable cueShutdownRequest** command in Cisco Unity Express configuration mode. To disable the shutdown requests, use the **no** form of this command.

snmp-server enable cueShutdownRequest

no snmp-server enable cueShutdownRequest

Syntax Description This command has no arguments or keywords.

Defaults System shutdown is disabled.

Command Modes Cisco Unity Express configuration

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 Enabling shutdown requests allows the Cisco Unity Express module to be gracefully halted. For example, suppose an uninterruptible power supply (UPS) sends a power out alert to the Cisco Unity Express management application. The management application would send an SNMP shutdown request to bring down the Cisco Unity Express module while power is still supplied from the UPS.

For security reasons, the shutdown capability is disabled by default.

To reset the Cisco Unity Express module, use the **service-module service-engine slot/port reset** command on the router housing the module.

Examples The following example enables the system shutdown capability.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# snmp-server enable cueShutdownRequest
se-10-0-0-0(config)# end
```

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 host	Specifies up to 5 SNMP hosts.
	snmp-server location	Specifies SNMP host location information.

snmp-server enable traps

To enable SNMP traps, use the **snmp-server enable traps** command in Cisco Unity Express configuration mode. To disable the SNMP traps, use the **no** form of this command.

snmp-server enable traps

no snmp-server enable traps

Syntax Description This command has no arguments or keywords.

Defaults System traps are disabled.

Command Modes Cisco Unity Express configuration

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 The **snmp-server enable traps** command configures the Cisco Unity Express module to send all types of SNMP notifications to all enabled SNMP hosts. If you do not enter an **snmp-server enable traps** command, no notifications are sent.

Use the **snmp-server enable traps** command in conjunction with the **snmp-server host** command, which specifies a maximum of 5 hosts that receive the SNMP notifications. If no host is defined, the system discards the notifications.

Examples The following example enables SNMP traps and specifies the SNMP host.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# snmp-server enable traps
se-10-0-0-0(config)# snmp-server host 172.19.162.40 snmpadmin
se-10-0-0-0(config)# end
```

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 host	Specifies up to 5 SNMP hosts.
	snmp-server location	Specifies SNMP host location information.

snmp-server host

To specify at least one server to receive SNMP notifications, use the **snmp-server host** command in Cisco Unity Express configuration mode. To remove the specified host, use the **no** form of this command.

snmp-server host *host-ipaddress* *community-string*

no snmp-server host *host-ipaddress*

Syntax Description

<i>host-ipaddress</i>	IP address of the host receiving the SNMP notifications. A maximum of 5 hosts can be specified.
<i>community-string</i>	Password string sent with the notification operation. This string was set with the snmp-server community command.

Defaults

No host is enabled.

Command Modes

Cisco Unity Express configuration

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

Use the **snmp-server host** command at least once to enable a host to receive all SNMP notifications. If no host is specified, the system discards the notifications.

Use separate **snmp-server host** commands for each host that receives SNMP notifications. If you issue a subsequent **snmp-server host** command for an existing host, the second command overwrites the first command.

No host is considered a primary host. The system sends the SNMP notifications to all enabled hosts.

Use the **snmp-server host** command in conjunction with the **snmp-server enable traps** command, which enables SNMP traps and sends the notifications to all hosts.

Examples

The following example enables SNMP traps and specifies two SNMP hosts.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# snmp-server enable traps
se-10-0-0-0(config)# snmp-server host 172.16.40.103 sjca_access
se-10-0-0-0(config)# snmp-server host 172.16.10.5 nycaccess
se-10-0-0-0(config)# end
```

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 location	Specifies SNMP host location information.

snmp-server location

To enter a location description for the SNMP host, use the **snmp-server location** command in Cisco Unity Express configuration mode. To remove the sysLocation string, use the **no** form of this command.

snmp-server location *"location-string"*

no snmp-server location *"location-string"*

Syntax Description	<i>"location-string"</i>	String that describes the system location information. Maximum length is 31 alphanumeric characters.
---------------------------	--------------------------	--

Defaults No location is defined.

Command Modes Cisco Unity Express configuration

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 This command is optional.
 The string must be entered within double quotes (" ").
 The *location-string* value sets the sysLocation string in the CISCO-UNITY-EXPRESS-MIB.

Examples The following example specifies the sysLocation string.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# snmp-server location "Main St, San Jose CA"
se-10-0-0-0(config)# end
```

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.

software download abort

To abort a download that is in progress, use the **software download abort** command in Cisco Unity Express EXEC mode.

software download abort

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Examples The following is an example of aborting an existing download:

```
se-10-0-0-0# software download abort
Download request aborted.
```

Related Commands	Command	Description
	software download clean	Downloads a complete package to install later.
	software download status	Reports the status of a download in progress.
	software download upgrade	Downloads an upgrade package to install later.

software download clean

To download software packages for installing later, use the **software download clean** command in Cisco Unity Express EXEC mode.

software download clean {*package-file-name* | **url ftp://ftp-server-ip-address/package-file-name**}

Syntax Description

package-file-name	Name of the package file for the new software.
url ftp://ftp-server-ip-address	URL of the FTP server.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced.

Examples

The following is an example of downloading a software package to install later where the FTP server information has been set in the CUE configuration.

```
se-172-16-0-0# software download clean cue-vm.2.0.1.pkg
```

The following is an example of downloading a software package to install later where the FTP server information is included on the command line.

```
se-10-16-0-0# software download clean url ftp://10.16.0.2/cue-vm.2.0.1.pkg
```

```
WARNING:: This command will download the necessary software to
WARNING:: complete a clean install. It is recommended that a backup be done
WARNING:: before installing software.
```

```
Would you like to continue? [n] y
```

```
Downloading cue-vm.2.0.1.pkg
Bytes downloaded : 63648
```

```
Validating package signature ... done
```

```
Downloading cue-vm-lang-pack.2.0.1.pkg
Bytes downloaded : 126048
```

```
Validating package signature ... done
Language Selection Menu:
```

```
# Selected  SKU   Language Name
-----
1          PTB   CUE Voicemail Brazilian Portuguese (2.3.0)
2          ENG   CUE Voicemail British English (2.3.0)
3          FRC   CUE Voicemail Canadian French (2.3.2)
4          DAN   CUE Voicemail Danish (2.3.0)
5          FRA   CUE Voicemail European French (2.3.0)
6          ESP   CUE Voicemail European Spanish (2.3.0)
7          DEU   CUE Voicemail German (2.3.0)
8          ITA   CUE Voicemail Italian (2.3.0)
```

```

9          ESO  CUE Voicemail Latin American Spanish (2.3.0)
10         ESM  CUE Voicemail Mexican Spanish (2.3.2)
11         ENG  CUE Voicemail US English (2.3.0)

```

Available commands are:

```

# - enter the number for the language to select one
r # - remove the language for given #
i # - more information about the language for given #
x - Done with language selection

```

> 5

Language Selection Menu:

```

# Selected  SKU   Language Name
-----
1          PTB   CUE Voicemail Brazilian Portuguese (2.3.0)
2          ENG   CUE Voicemail British English (2.3.0)
3          FRC   CUE Voicemail Canadian French (2.3.2)
4          DAN   CUE Voicemail Danish (2.3.0)
5          *    FRA   CUE Voicemail European French (2.3.0)
6          ESP   CUE Voicemail European Spanish (2.3.0)
7          DEU   CUE Voicemail German (2.3.0)
8          ITA   CUE Voicemail Italian (2.3.0)
9          ESO   CUE Voicemail Latin American Spanish (2.3.0)
10         ESM   CUE Voicemail Mexican Spanish (2.3.2)
11         ENG   CUE Voicemail US English (2.3.0)

```

Available commands are:

```

# - enter the number for the language to select one
r # - remove the language for given #
i # - more information about the language for given #
x - Done with language selection

```

> x

```

[17488 refs]
se-10-0-0-0#

```

The following is an example of using the **software download status** command to check on the download progress.

```
se-172-16-0-0# software download status
```

```

Download request in progress.
downloading file : cue-vm.2.0.prt1
bytes downloaded : 5536224

```

Related Commands

Command	Description
software download abort	Aborts a download that is in progress.
software download status	Reports the status of a download in progress.
software download upgrade	Downloads an upgrade package to install later.

software download server

To configure the FTP server address on the Cisco Unity Express module, use the **software download server** command in Cisco Unity Express configuration mode.

```
software download server url ftp://server-ip-address[/dir] [username username
password password | credentials hidden credentials]
```

Syntax Description		
url ftp://server-ip-address		IP address of the FTP server.
<i>/dir</i>		(Optional) The FTP directory on the server.
username username		(Optional) Specifies the FTP username. If this option is not used, the default is “anonymous”.
password password		(Optional) Specifies the FTP password.
credentials hidden credentials		(Optional) Specifies the encrypted username and password value.

Command Modes Cisco Unity Express configuration

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

Examples

The following is an example of setting the server information with just a root directory.

```
se-10-16-0-0(config)# software download server url ftp://10.19.0.0/
```

The following is an example of setting the server information with a directory different than the root directory.

```
se-10-16-0-0(config)# software download server url ftp://10.19.0.0/ftp_dir
```

The following is an example of setting the server information with a username and password.

```
se-10-16-0-0(config)# software download server url ftp://10.19.0.0/ftp_dir username
ftpuser password ftppassword
```

The following is an example of setting the server information with an encrypted credentials string.

```
se-10-16-0-0(config)# software download server url ftp://10.19.0.0/ftp_dir credentials
hidden
+EdgXXrwwTekoNCDGbGiEnfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nGWTYHfmPSd8ZZNgd+Y9J3x1k2B35jwAAAAA=
```

Related Commands	Command	Description
	show software	Displays the FTP server information.

software download status

To display the progress of a software download, use the **software download status** command in Cisco Unity Express EXEC mode.

software download status

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Examples The following is an example a download in progress:

```
se-10-0-0-0# software download status
```

```
Download request in progress.
downloading file : cue-vm.2.0.1.prt1
bytes downloaded : 5536224
```

```
se-10-0-0-0# software download status
```

```
Download request completed successfully.
```

Related Commands	Command	Description
	software download abort	Aborts a download that is in progress.
	software download clean	Downloads a complete package to install later.
	software download upgrade	Downloads an upgrade package to install later.

software download upgrade

To download software for a later upgrade, use the **software download upgrade** command in Cisco Unity Express EXEC mode.

```
software download upgrade {package-filename |
  url ftp://ftp-server-ip-address[/dir]/package-filename} [username username password
  password]
```

Syntax Description

<i>package-filename</i>	Name of the package file for the new software.
url ftp:// <i>ftp-server-ip-address</i>	URL of the FTP server.
<i>/dir</i>	(Optional) Directory other than the default.
username <i>username</i>	(Optional) Username for the FTP server.
password <i>password</i>	(Optional) Password for the FTP server.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced.

Usage Guidelines

Use this command to download files for a future upgrade.



Note Only certain versions of CUE software support an upgrade or downgrade. Check the [Release Notes for Cisco Unity Express](#) for the specific version to see if an upgrade or downgrade is supported. You cannot downgrade below CUE 2.0.

Examples

The following is an example of downloading a software package to upgrade later where the FTP server information has been set in the CUE configuration.

```
se-10-0-0-0# software download upgrade cue-vm.2.1.pkg
```

The following is an example of downloading a software package to upgrade later where the FTP server information is included on the command line. The username and password could also be included in this command.

```
se-10-0-0-0# software download upgrade url ftp://10.16.0.1/cue-vm.2.1.pkg
```

```
WARNING:: This command will download the necessary software to
WARNING:: complete an upgrade. It is recommended that a backup be done
WARNING:: before installing software.
```

```
Would you like to continue? [n] y
url_host :10.16.0.1
url_user :null
url_uname :anonymous
```

```

url_psword :anonymous
url_proto :ftp
url_path :/
url_fname :cue-vm.2.0.0.12.pkg
url_url :ftp://10.16.0.1/

Downloading cue-vm.2.1.pkg
Bytes downloaded : 63648

Validating package signature ... done
Validating installed manifests .....complete.
[17497 refs]

```



Note When you download the software, there are no other prompts for subscriber input. The software package is downloaded to the CUE network module.

The following is an example of using the **software download status** command to check on the download progress.

```
se-10-0-0-0# software download status
```

```

Download request in progress.
downloading file : cue-vm.2.1.pt1
bytes downloaded : 5536224

```

```
se-10-0-0-0# software download status
```

```
Download request completed successfully.
```

The following example shows how to verify the download success using the **show software directory download** command.

```
se-10-10-0-0# show software directory download
```

```

KBytes Directory
0      /dwnld/pkgdata

```

```
Directory listings
```

```
Directory: /dwnld/pkgdata
```

```

total 0
drwxrwxr-x  2 root  daemon    48 Sep 15  2005 .
drwxrwxr-x  4 root  daemon   200 Sep 15  2005 ..

```

Related Commands

Command	Description
software download abort	Aborts a download that is in progress.
software download status	Reports the status of a download in progress.
show software directory	Displays directory information for software downloads and downgrades.

software install clean

To install a new version of CUE software, use the **software install clean** command in Cisco Unity Express EXEC mode.

```
software install clean {package-filename | url ftp://ftp-server-ip-address/package-filename}
```

Syntax Description

<i>package-filename</i>	Name of the package file for the new software.
url ftp://ftp-server-ip-address/	URL of the FTP server.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
2.0	This command was introduced.

Usage Guidelines

Use this command to download files for a new install.



Note This command cleans the disk. All configuration and voice messages will be lost after this step. For future upgrades and installations, verify that a backup has been done. If it has not, abort at this step and do a backup first.

Examples

The following is an example of the command to install a new version of CUE software where the FTP server information has been set in the CUE configuration.

```
se-10-16-0-0# software install clean cue-vm.2.0.pkg
```

The following is an example of installing a new version of CUE software where the FTP server information is included on the command line.

```
se-10-16-0-0# software install clean url ftp://10.16.0.1/cue-vm.2.0.pkg
```

```
WARNING:: This command will install the necessary software to
WARNING:: complete a clean install. It is recommended that a backup be done
WARNING:: before installing software.
Would you like to continue? [n] y
```

Language Selection Menu:

```
# Selected  SKU   Language Name
-----
1           PTB   CUE Voicemail Brazilian Portuguese (2.3.0)
2           ENG   CUE Voicemail British English (2.3.0)
3           FRC   CUE Voicemail Canadian French (2.3.2)
4           DAN   CUE Voicemail Danish (2.3.0)
5           FRA   CUE Voicemail European French (2.3.0)
6           ESP   CUE Voicemail European Spanish (2.3.0)
7           DEU   CUE Voicemail German (2.3.0)
8           ITA   CUE Voicemail Italian (2.3.0)
9           ESO   CUE Voicemail Latin American Spanish (2.3.0)
```

```

10          ESM    CUE Voicemail Mexican Spanish (2.3.2)
11          ENG    CUE Voicemail US English (2.3.0)
Available commands are:
# - enter the number for the language to select one
r # - remove the language for given #
i # - more information about the language for given #
x - Done with language selection
>5
Language Selection Menu:
# Selected  SKU    Language Name
-----
1           PTB    CUE Voicemail Brazilian Portuguese (2.3.0)
2           ENG    CUE Voicemail British English (2.3.0)
3           FRC    CUE Voicemail Canadian French (2.3.2)
4           DAN    CUE Voicemail Danish (2.3.0)
5    *      FRA    CUE Voicemail European French (2.3.0)
6           ESP    CUE Voicemail European Spanish (2.3.0)
7           DEU    CUE Voicemail German (2.3.0)
8           ITA    CUE Voicemail Italian (2.3.0)
9           ESO    CUE Voicemail Latin American Spanish (2.3.0)
10          ESM    CUE Voicemail Mexican Spanish (2.3.2)
11          ENG    CUE Voicemail US English (2.3.0)
Available commands are:
# - enter the number for the language to select one
r # - remove the language for given #
i # - more information about the language for given #
x - Done with language selection
>*

```

At this point the new software will load from the FTP server and the system will restart.

```

.
.
.
IMPORTANT::
IMPORTANT:: Welcome to Cisco Systems Service Engine
IMPORTANT:: post installation configuration tool.
IMPORTANT::
IMPORTANT:: This is a one time process which will guide
IMPORTANT:: you through initial setup of your Service Engine.
IMPORTANT:: Once run, this process will have configured
IMPORTANT:: the system for your location.
IMPORTANT::
IMPORTANT:: If you do not wish to continue, the system will be halted
IMPORTANT:: so it can be safely removed from the router.
IMPORTANT::
Do you wish to start configuration now (y,n)? y

IMPORTANT::
IMPORTANT:: A Cisco Unity Express configuration has been found
IMPORTANT:: You can choose to restore this configuration into
IMPORTANT:: current image.
IMPORTANT::
IMPORTANT:: A stored configuration contains some of the data
IMPORTANT:: previous installation, but not as much as a backup.
IMPORTANT:: example: voice messages, user passwords, user PINs,
IMPORTANT:: auto attendant scripts are included in a backup,
IMPORTANT:: not saved with the configuration.
IMPORTANT::
IMPORTANT:: If you are recovering from a disaster and do not
IMPORTANT:: backup, you can restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you are going to restore a backup from a previous
IMPORTANT:: installation, you should not restore the saved

```

■ software install clean

```

IMPORTANT::
IMPORTANT:: If you choose not to restore the saved configuration,
IMPORTANT:: will be erased from flash.
IMPORTANT::
Would you like to restore the saved configuration? (y,n)y

IMPORTANT::
IMPORTANT:: Administrator Account Creation
IMPORTANT::
IMPORTANT:: Create an administrator account. With this account,
IMPORTANT:: you can log in to the Cisco Unity Express GUI and
IMPORTANT:: run the initialization wizard.
IMPORTANT::
Enter administrator user ID:
(user ID): Admin
Enter password for admin:
(password): *****
Confirm password for admin by reentering it:
(password): *****
SYSTEM ONLINE

```

Related Commands

Command	Description
software download abort	Aborts a download that is in progress.
software download status	Reports the status of a download in progress.
software download upgrade	Downloads an upgrade package to install later.
software install downgrade	Downgrades the current Cisco Unity Express software to a previous version.
software install upgrade	Upgrades the current Cisco Unity Express software to a newer version.

software install downgrade

To downgrade to a previously installed version of CUE software, use the **software install downgrade** command in Cisco Unity Express EXEC mode.

software install downgrade

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines Use this command to downgrade to the previous version of CUE software. The package information has already been saved on the CUE module from the previous upgrade. No FTP information is necessary.



Note Only certain versions of CUE software support an upgrade or downgrade. Check the [Release Notes for Cisco Unity Express](#) for the specific version to see if an upgrade or downgrade is supported. You cannot downgrade below CUE 2.0.

Examples The following is an example of the command to downgrade to the previous version of CUE software.

```
se-172-16-0-0# software install downgrade
```

The following example shows how to verify the downgrade success using the **show software directory downgrade** command.

```
se-10-10-0-0# show software directory downgrade
```

```
KBytes Directory
0          /dwnld/dwngrade
```

Directory listings

```
Directory: /dwnld/dwngrade
```

```
total 0
drwxrwxrwx  2 root    daemon    48 Sep 15  2005 .
drwxrwxr-x  4 root    daemon    200 Sep 15  2005 ..
```

Related Commands	Command	Description
	show software directory	Displays directory information for software downloads and downgrades.
	software install clean	Installs a new version of the Cisco Unity Express software.
	software install upgrade	Upgrades the current Cisco Unity Express software to a newer version.

software install upgrade

To upgrade to a newer version of CUE software, use the **software install upgrade** command in Cisco Unity Express EXEC mode.

```
software install upgrade {pkg cue-package.pkg |
url ftp://ftp-server-ip-address/cue-package.pkg }
```

Syntax Description		
pkg <i>cue-package.pkg</i>		Specifies a package name.
url ftp: <i>//ftp-server-ip-address/cue-package.pkg</i>		Specifies the FTP server information.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines Use this command to upgrade to a newer version of Cisco Unity Express software.



Note Only certain versions of Cisco Unity Express software support an upgrade or downgrade. Check the [Release Notes for Cisco Unity Express](#) for the specific version to see if an upgrade or downgrade is supported. You cannot downgrade below Cisco Unity Express 2.0.

Examples The following is an example of the command to upgrade to a newer version of CUE software.

```
se-10-16-0-0# software install upgrade url ftp://10.16.0.1/cue-vm.2.0.2.pkg
```

The following is an example of the command to upgrade to a newer version of CUE software if the FTP server has been configured or the software files have been downloaded previously with the **software download upgrade** command:

```
se-10-16-0-0# software install upgrade pkg cue-vm.2.0.2.pkg
```

Related Commands	Command	Description
	software download server	Configures the FTP server information.
	software download upgrade	Downloads the files for a future upgrade.
	software install clean	Installs a new version of the Cisco Unity Express software.
	software install downgrade	Downgrades the current Cisco Unity Express software to an older version.

software remove

To remove software installed during a download or upgrade, use the **software remove** command in Cisco Unity Express EXEC mode.

software remove {all | downgradefiles | downloadfiles}

Syntax	Description
all	Removes both the downgrade and the download files.
downgradefiles	Removes the downgrade files.
downloadfiles	Removes the download files.

Command Modes Cisco Unity Express EXEC

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

Examples

The following is an example the **software remove** command:

```
se-172-19-0-0# software remove all
```

```
Download files removed
Downgrade files removed
```

```
se-172-19-0-0# software remove downgradefiles
```

```
Downgrade files removed
```

```
se-172-19-0-0# software remove downloadfiles
```

```
Download files removed
```

Related Commands	Command	Description
	show software directory	Displays the disk usage for the download and downgrade directories.

start-date (backup-schedule)

To specify the start date for recurring scheduled backup to occur, use the **start-date** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the start date.

start-date *date*

no start-date *date*

Syntax Description	<i>date</i>	Specifies the start date for the sequence of recurring scheduled backup jobs. The format is MM/DD/YYYY.
---------------------------	-------------	---

Command Default	Set to the day that a new schedule is created.
------------------------	--

Command Modes	Cisco Unity Express scheduled backup configuration (backup-schedule)
----------------------	--

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	The format for the date is month, day, and then year (for example: 05/302010).
-------------------------	--

Examples The following example sets the start date to May 30, 2009:

```
se-10-0-0-0# backup schedule job 22
se-10-0-0-0(backup-schedule)# start-date 05/30/2009
```

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.
show backup schedule detail job	Shows details for the specified recurring scheduled backup job.	

start-date (kron-schedule)

To specify the start date for the recurring scheduled kron job to occur, use the **start-date** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

start-date *date*

Syntax Description	<i>date</i>	Specifies the start date for the sequence of recurring scheduled kron jobs. The format is MM/DD/YYYY.
---------------------------	-------------	---

Command Default Set to the day that a new schedule is created.

Command Modes Cisco Unity Express kron-schedule configuration

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines The format for the date is month, day, and then year (for example: 05/30/2010).

Examples The following example sets the start date to May 27, 2009:

```
se-10-0-0-0# kron-schedule krj1
se-10-0-0-0(kron-schedule)# start-date 05/27/2009
```

Related Commands	Command	Description
	description (kron schedule)	Configures a description for the kron job.
	kron schedule	Creates a new kron schedule and enters kron-schedule configuration mode.
	show kron schedules	Displays a list of kron jobs.
	show kron schedule detail job	Displays details of a specific kron job.

stop-date (backup-schedule)

To specify the stop date for recurring scheduled backup to occur, use the **stop-date** command in Cisco Unity Express scheduled backup configuration mode. Use the **no** or **default** form of this command to remove the configuration of the stop date.

stop-date *date*

no stop-date *date*

Syntax Description	<i>date</i>	Specifies the end date for the sequence of recurring scheduled backup jobs. The format is MM/DD/YYYY.
---------------------------	-------------	---

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express scheduled backup configuration (backup-schedule)
----------------------	--

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	The format for the date is month, day, and then year (for example: 05/302010).
-------------------------	--

Examples The following example sets the end date to May 30, 2009:

```
se-10-0-0-0# schedule job 22
se-10-0-0-0(backup-schedule)# stop-date 05/30/2009
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule submode.
	show backup schedule detail job	Shows details for the specified recurring scheduled backup job.

stop-date (kron-schedule)

To specify the stop date for recurring scheduled kron jobs to occur, use the **stop-date** command in Cisco Unity Express kron-schedule configuration mode. There is no **no** form of this command.

stop-date *date*

Syntax Description	<i>date</i>	Specifies the stop date for the sequence of recurring scheduled kron jobs. The format is MM/DD/YYYY.
---------------------------	-------------	--

Command Default	None.
------------------------	-------

Command Modes	Cisco Unity Express kron-schedule configuration
----------------------	---

Command History	Cisco Unity Express Version	Modification
	8.0	This command was introduced.

Usage Guidelines	The format for the date is month, day, and then year (for example: 05/302010).
-------------------------	--

Examples The following example sets the stop date to May 30, 2009:

```
se-10-0-0-0# kron schedule krj1
se-10-0-0-0(kron-schedule)# stop-date 05/30/2009
```

Related Commands	Command	Description
	kron schedule	Enters kron-schedule configuration mode.
	show backup schedule detail job	Shows details for the specified recurring scheduled kron job.

system language preferred

To configure the system language, use the **system language preferred** command in Cisco Unity Express configuration mode.

```
system language preferred xx_YY
```

Syntax Description	xx_YY	This is the language code, the first pair of characters in lowercase designating the language and the second pair of languages in uppercase designating the area where the language is spoken.
---------------------------	--------------	--

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced in Cisco Unity Express.

Usage Guidelines	Use this command to set the language that the system is to use. To see a list of available languages, use the show system language command.
-------------------------	---

Examples	The following example first verifies what the current system language is, then changes it from US English to GB English, and finally verifies that the change has been made.
-----------------	--

```
se-10-0-0-0# conf
Configuring from terminal or memory [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
CUE(config)# system language preferred en_GB
Preferred language has been set to: en_GB
```

Related Commands	Command	Description
	show system language	Displays the language the system is configured to use and/or a list of the languages available

system-startup (aaa accounting event)

To enable or disable the logging of system startup events, use the **system-startup** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of system startup events. Use the **default** form of this command to restore the default setting (the logging of system startup events is enabled).

system-startup

no system-startup

default system-startup

Syntax Description This command has no arguments or keywords.

Command Default The logging of system startup events is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines The log entries for system startup events include information about the system's software version, installed licenses, installed packages, installed languages, and so on.

Examples The following example disables the logging of system startup events:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no system-startup
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

system-shutdown (aaa accounting event)

To enable or disable the logging of system shutdown events, use the **system-shutdown** command in Cisco Unity Express AAA accounting event configuration mode. Use the **no** form of this command to disable the logging of system shutdown events. Use the **default** form of this command to restore the default setting (the logging of system shutdown events is enabled).

system-shutdown

no system-shutdown

default system-shutdown

Syntax Description This command has no arguments or keywords.

Command Default The logging of system shutdown events is enabled.

Command Modes Cisco Unity Express AAA accounting event configuration (aaa-accounting-event)

Command History	Cisco Unity Express Version	Modification
	7.0	This command was introduced.

Usage Guidelines The log entries for system shutdown events are made only when an administrator forces a shutdown or restart of the Cisco Unity Express system.

Examples The following example disables the logging of system shutdown events:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# aaa accounting event
se-10-0-0-0(aaa-accounting-event)# no system-shutdown
```

Related Commands	Command	Description
	aaa accounting enable	Enables the recording of AAA accounting events.
	aaa accounting event	Enters AAA accounting submode and configures event filtering for accounting packets.
	show aaa accounting event	Shows the AAA accounting events that are designated to be logged.

■ system-shutdown (aaa accounting event)



T

Last Updated: January 12, 2009

[timeout \(aaa-accounting\)](#)
[timeout \(aaa-authentication\)](#)
[trace management](#)
[trace networking all](#)
[trace networking database](#)
[trace networking dns](#)
[trace networking jobqueue](#)
[trace networking smtp](#)
[trace networking sysdb](#)
[trace networking vpim](#)
[trace snmp](#)
[transfer-mode](#)

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

<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.
----------------	---

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	<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.
---------------------------	----------------	---

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 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

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 vvim	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 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,cueMboxNumber
OfNewMessages,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.



U

Last Updated: April 14, 2008

[username \(configuration\)](#)

[username \(gateway configuration\)](#)

[username generate](#)

[username notification cascade-to after](#)

[username profile \(phone devices\)](#)

[username profile email](#)

[username profile num-pager](#)

[username profile text-pager](#)

[username site](#)

username (configuration)

To configure a Cisco Unity Express subscriber, use the **username** command in either Cisco Unity Express EXEC mode or configuration mode.

EXEC Mode

```
username name [create | delete | faxnumber extension fullname [first “first” | last “last-name” |
display “full-name”] | group group-name | language xx_YY | password “password” | pin
number]
```

Configuration Mode

```
username name [password “password” | phonenumber phonenumber |
phonenumberE164 full-number | pin number]
```

Syntax Description

<i>name</i>	Specifies the name or ID of the subscriber to be created. The username must be at least 3 and no more than 32 characters in length. Cisco Unity Express allows only letters, numbers, underscore (_), dot (.), and dash (-) in user IDs. User IDs must start with a letter. Do not use spaces in the username.
create	(Optional) Creates a subscriber with no other information.
delete	(Optional) Deletes the subscriber.
faxnumber <i>extension</i>	Assigns the specified fax number to the user. In case of a single DID, there is no need to configure this number.
fullname first “ <i>first</i> ”	(Optional) First name of the subscriber. The name must be entered in double quotes (“ ”).
fullname last “ <i>last-name</i> ”	(Optional) Last name of the subscriber. The name must be entered in double quotes (“ ”).
fullname display “ <i>full-name</i> ”	(Optional) Name as the subscriber wants it to appear on other telephone displays. The name must be entered in double quotes (“ ”).
group <i>group-name</i>	(Optional) Group with which this subscriber is associated. If the <i>group-name</i> value does not exist, this command creates it.
language <i>xx_YY</i>	(Optional) Language of the prompt. See Release Notes for Cisco Unity Express for a list of supported languages.
password “ <i>password</i> ”	(Optional) Password for the subscriber. The password must be entered in double quotes (“ ”). Valid values contain at least 3 but not more than 32 characters in length. Spaces are not allowed. Acceptable password characters are lowercase letters a to z, uppercase letters A to Z, digits 0 to 9, and the following symbols: -, ., +, =, _ ! @ # \$ ^ * () ? / ~ < > & %.
phonenumber <i>phonenumber</i>	(Optional) Extension or number for this subscriber.

phonenumE164 <i>full-number</i>	(Optional) Full telephone number, including area code, for the subscriber.
pin <i>number</i>	(Optional) Personal identification number for the subscriber. Valid values are at least 3 but not more than 19 characters in length, consisting of letters and numbers. No other characters are permitted.

Command Default **language:** U.S. English

Command Modes Cisco Unity Express EXEC
Cisco Unity Express configuration

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.
	2.0	This command supports additional languages for prompts.
	3.0	This command was modified to allow you to assign a fax extension to a mailbox.

Usage Guidelines The EXEC version of the command stores the permitted information in Cisco Unity Express flash memory. If a problem with the disk occurs, this information is available so that the subscriber may access the voice-mail system.

The configuration version of the command is stored in the Cisco Unity Express system configuration file. If a power outage or a system shutdown occurs, the subscriber information can be retrieved.

Examples The following example creates a subscriber user1, assigns her as a member to the Sales group, and assigns the extension 0190, a password, and a PIN.

```
se-10-0-0-0# username user1 fullname display "User 1"
se-10-0-0-0# username user1 faxnumber 0100
se-10-0-0-0# username user1 group Sales
se-10-0-0-0# username user1 password "sales123"
se-10-0-0-0# username user1 pin 4122
se-10-0-0-0# config t
se-10-0-0-0(config)# username user1 phonenum 50190
se-10-0-0-0(config)# username user1 phonenumE164 12225550190
se-10-0-0-0(config)# end
se-10-0-0-0# show user detail username user1
Full Name:           User 1
```

```

First Name:
Last Name:      user1
Nickname:       user1
Phone:          50190
Phone (E.164):  12225550190
Language:       en_ENU
se-10-0-0-0#

```

Related Commands

Command	Description
show groups	Displays the configured groups.
show user detail username	Displays details for a specific subscriber.
show users	Displays a list of all usernames.

username (gateway configuration)

To specify the username and password used when attempting to register with the messaging gateway, use the **username** command in Cisco Unity Express gateway configuration mode. Use the no form of the command to negate the username configured for the messaging gateway registration.

username *text* {**password** {*text* | **encrypted**} *password*} [**retry-interval** *integer*]

no username *text*

Syntax Description

<i>text</i>	Username used when attempting to register to the primary or secondary messaging gateway.
password	Require a password used when attempting to register to the primary or secondary messaging gateway.
text	Send the password as unencrypted text.
encrypted	Send an encrypted password.
<i>password</i>	Password used when attempting to register to the primary or secondary messaging gateway.
retry-interval	Specify a retry interval for attempting to register to the primary or secondary messaging gateway.
<i>integer</i>	Retry interval in minutes.

Command Modes

Cisco Unity Express gateway configuration

Command History

Release	Modification
3.1	This command was introduced.

Usage Guidelines

This command specifies the username used to register to either the primary or secondary messaging gateway. You can also optionally specify a retry interval. The default retry interval is five minutes.

Examples

The following example specifies the username for registration to the primary messaging gateway:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# messaging-gateway primary 59000 192.0.2.24
se-10-0-0-0(config-gateway)# username cue31 password pass31 retry-interval 20
```

```
Status : Registered (Tue Aug 21 17:09:08 PDT 2006)
Reg-expiration : Wed Aug 22 17:09:08 PDT 2006
Location-id : 1234
Reg-id : 1234
Reg-password : (Not displayed)
Retry-interval : 10 minute(s)
```

Related Commands	Command	Description
	messaging-gateway	Specifies the location ID and IP address for the primary or secondary messaging gateway.
	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

username generate

To generate a temporary password or PIN for a subscriber, use the `username generate` command in Cisco Unity Express EXEC mode.

```
username username generate {password | pin}
```

Syntax Description		
	<i>username</i>	User ID for the subscriber that needs the password or PIN.
	password	Authentication needed to access the Cisco Unity Express GUI.
	pin	Authentication needed to access the Cisco Unity Express telephone user interface (TUI).

Defaults Password and PIN are blank.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	2.2	This command was introduced.

Usage Guidelines To display the generated password or PIN, use the `show user auth username username` command. The subscriber must change this password or PIN after logging in to the GUI or TUI.

Examples The following example generates a temporary password and PIN for user5:

```
se-10-0-0-0# username user5 generate password
se-10-0-0-0# username user5 generate pin
se-10-0-0-0# show user auth username user5
```

```
Password:          rfg889920
Pin:               7850
```

Related Commands	Command	Description
	<code>show user auth username</code>	Displays the authentication information (password and PIN) for the subscriber.

username notification cascade-to after

To define a rule for cascading a notification, use the **username notification cascade-to after** command in Cisco Unity Express EXEC mode. Use the **no** form of this command to remove the rule and disable cascading to the specified user.

username *user-id* **notification cascade-to** *uid* **after** *minutes*

no username *user-id* **notification cascade-to** *uid* **after** *minutes*

Syntax Description

<i>user-id</i>	The ID of the user for whom notification cascading is being configured.
<i>uid</i>	The ID of the user to whom cascaded notification is being sent.
<i>minutes</i>	The amount of time after which the notification cascade occurs.

Command Default

There are no notification cascading rules defined for the subscriber.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **username notification cascade-to after** command in Cisco Unity Express configuration mode to define:

- The user for whom notification cascading is being configured.
- The user to whom cascaded notification is being sent.
- The amount of time after which the notification cascade occurs.

An error message appears when:

- The specified user or profile does not exist on the local system.
- The user exists but a rule is already defined to cascade to that user.
- The user does not have a mailbox.
- The user cannot define a rule to cascade notification to himself.
- The maximum number of users have already been configured for cascading.
- The time is outside the allowed range.
- The time is within the allowed range, but a rule is already defined to cascade notification at that time.

Examples

The following example define a rule to cascade notification from user22 to user 42 after 10 minutes:

```
se-10-0-0-0# username user22 notification cascade-to user42 after 10
```

Related Commands	Command	Description
	show voicemail msg-notification restriction-table	Displays information about the restriction table associated with the non-subscriber message delivery feature.
	show voicemail notification owner	Displays the message notification configuration.
	show voicemail notification owner cascade	Displays the details of the message notification configuration for a specific user.

username profile (phone devices)

To configure a subscriber's cell phone for message notification, use the **username profile (phone devices)** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the cell phone, use the **no** or **default** form of this command.

```
username username profile vm-notif-profile { cell-phone | home-phone | work-phone }
  { enable
  extra-digits digits
  phonenumber phonenumber
  preference { all | urgent }
  schedule day day-of-week active from hh:mm to hh:mm }
```

```
no username username profile vm-notif-profile { cell-phone | home-phone | work-phone }
  { enable
  extra-digits digits
  phonenumber phonenumber
  preference { all | urgent }
  schedule day day-of-week active from hh:mm to hh:mm }
```

```
default username username profile vm-notif-profile { cell-phone | home-phone | work-phone }
  preference { all | urgent }
```

Syntax Description		
username <i>username</i>		User ID for the voice-mail subscriber who owns the cell phone.
enable		Enables the device in the subscriber's profile.
extra-digits <i>digits</i>		Extra digits to be sent as DTMF digits. Valid values include numbers 0 to 9, pound or hash mark (#), star (*), and plus (+) for a 1-second pause.
phonenumber <i>phonenumber</i>		Phone number of the subscriber's phone device. The system dials this number when the subscriber's mailbox receives a message. Valid values include digits 0 to 9.
preference { all urgent }		Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm</i> to <i>hh:mm</i>		Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.

Defaults

Cell phone notifications are disabled.
Default preference is **urgent**.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per subscriber. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The subscriber does not exist in the system.
- The subscriber does not have a mailbox.
- *phonenumber* is a restricted number.
- More than 64 digits are entered for *digits*.
- A valid phone number is not assigned to the device.
- The administrator has disabled message notification on a system-wide basis.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this subscriber's preference to **all**.
- The schedule start time is later than the schedule end time.

Using the **no** or **default** form of this command results in the following conditions:

- **no username *username* profile vm-notif-profile { cell-phone | home-phone | work-phone } enable** disables the sending of notifications to the device.
- **no username *username* profile vm-notif-profile { cell-phone | home-phone | work-phone } extra-digits** removes the extra digits assigned to the device.
- **no username *username* profile vm-notif-profile { cell-phone | home-phone | work-phone } phonenumber** removes the phone number from the device and automatically disables the device.
- **no (or default) username *username* profile vm-notif-profile { cell-phone | home-phone | work-phone } preference** sets the notification preference to **urgent**.
- **no username *username* profile vm-notif-profile { cell-phone | home-phone | work-phone } schedule day *day-of-week* active from *hh:mm* to *hh:mm*** deactivates the sending of notifications for the specified time slot.

Examples

The following example configures the cell phone for subscriber user3:

```
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone phonenumber 12225550150
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone enable
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone extra-digits 9
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone all
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone schedule day 2 active from
08:00 to 17:00
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone schedule day 3 active from
08:00 to 12:00
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone schedule day 4 active from
13:00 to 16:00
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone schedule day 5 active from
08:00 to 14:00
```

```
se-10-0-0-0# username user3 profile vm-notif-profile cell-phone schedule day 6 active from
08:00 to 17:00
```

Related Commands

Command	Description
show voicemail notification owner	Displays the voicemail notification configuration for specific subscribers or groups.
username profile email	Configures notification parameters for a subscriber's e-mail.
username profile num-pager	Configures notification parameters for a subscriber's numeric pager.
username profile text-pager	Configures notification parameters for a subscriber's text pager.

username profile email

To configure a subscriber's e-mail for message notification, use the **username profile email** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the e-mail device, use the **no** or **default** form of this command.

```
username username profile vm-notif-profile email
  {address email-address
  attach
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
no username username profile vm-notif-profile email
  {address email-address
  attach
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
default username username profile vm-notif-profile email attach
```

```
default username username profile vm-notif-profile email preference {all | urgent}
```

Syntax Description

<i>username</i>	User ID for the voice-mail subscriber who owns the e-mail.
address <i>email-address</i>	E-mail address to which an outgoing text notification will be sent.
attach	Enables a voice message to be attached to the outgoing e-mail notification. The default is disabled.
enable	Enables the device in the subscriber's profile.
preference { all urgent }	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm</i> to <i>hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.
text <i>email-text</i>	Text of the message that will be appended to the outgoing e-mail notification. The message can contain all alphanumeric characters except question mark (?). The maximum message length is 128 characters. Enclose the text in double quotes (" ").

Defaults

E-mail notifications are disabled.
E-mail attachments are disabled.
Default preference is **urgent**.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines The system creates one default notification profile with the filename **vm-notif-profile** per subscriber. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The subscriber does not exist in the system.
- The subscriber does not have a mailbox.
- The administrator has disabled message notification on a system-wide basis.
- The administrator has disabled e-mail attachments on a system-wide basis.
- E-mail is enabled before the e-mail address is defined.
- E-mail is enabled and an SMTP server is not configured.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this subscriber's preference to **all**.
- The schedule start time is later than the schedule end time.
- E-mail text contains a question mark (?).
- E-mail text is longer than 128 characters.

Using the **no** or **default** form of this command results in the following conditions:

- **no username *username* profile vm-notif-profile email enable** disables the sending of notifications to the device.
- **no username *username* profile vm-notif-profile email address *email-address*** removes the email address assigned to the device and automatically disables the device.
- **no (or default) username *username* profile vm-notif-profile email attach** disables attaching voice messages to outgoing e-mail notifications for this device.
- **no (or default) username *username* profile vm-notif-profile email preference** sets the notification preference to **urgent**.
- **no username *username* profile vm-notif-profile email schedule *day day-of-week active from hh:mm to hh:mm*** deactivates the sending of notifications for the specified time slot.
- **no username *username* profile vm-notif-profile email text** removes the text associated with this device.

Examples The following example configures the cell phone for subscriber user3:

```
se-10-0-0-0# username user3 profile vm-notif-profile email address user1@company.com
se-10-0-0-0# username user3 profile vm-notif-profile email enable
se-10-0-0-0# username user3 profile vm-notif-profile email attach
se-10-0-0-0# username user3 profile vm-notif-profile email all
```

```

se-10-0-0-0# username user3 profile vm-notif-profile email schedule day 3 active from
08:00 to 10:00
se-10-0-0-0# username user3 profile vm-notif-profile email text "Sales meeting scheduled
in main office conference room C 1:00-3:00 p.m. 4/19/06"

```

Related Commands

Command	Description
show voicemail notification owner	Displays the voicemail notification configuration for specific subscribers or groups.
username profile (phone devices)	Configures notification parameters for a subscriber's cell phone.
username profile num-pager	Configures notification parameters for a subscriber's numeric pager.
username profile text-pager	Configures notification parameters for a subscriber's text pager.

username profile num-pager

To configure a subscriber's numeric pager for message notification, use the **username profile num-pager** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the home phone, use the **no** or **default** form of this command.

```
username username profile vm-notif-profile num-pager
  { enable
    extra-digits digits
    phonenumber phonenumber
    preference { all | urgent }
    schedule day day-of-week active from hh:mm to hh:mm }
```

```
no username username profile vm-notif-profile num-pager
  { enable
    extra-digits digits
    phonenumber phonenumber
    preference { all | urgent }
    schedule day day-of-week active from hh:mm to hh:mm }
```

```
default username username profile vm-notif-profile num-pager preference { all | urgent }
```

Syntax Description		
username <i>username</i>		User ID for the voice-mail subscriber who owns the numeric pager.
enable		Enables the device in the subscriber's profile.
extra-digits <i>digits</i>		Extra digits to be sent as DTMF digits. Valid values include numbers 0 to 9, pound or hash mark (#), star (*), and plus (+) for a 1-second pause.
phonenumber <i>phonenumber</i>		Phone number of the subscriber's numeric pager. The system dials this number when the subscriber's mailbox receives a message. Valid values include digits 0 to 9.
preference { all urgent }		Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm</i> to <i>hh:mm</i>		Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.

Defaults

Numeric pager notifications are disabled.
Default preference is **urgent**.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per subscriber. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The subscriber does not exist in the system.
- The subscriber does not have a mailbox.
- *phonenumber* is a restricted number.
- More than 64 digits are entered for *digits*.
- A valid phone number is not assigned to the device.
- The administrator has disabled message notification on a system-wide basis.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this subscriber's preference to **all**.
- The schedule start time is later than the schedule end time.

Using the **no** or **default** form of this command results in the following conditions:

- **no username *username* profile vm-notif-profile num-pager enable** disables the sending of notifications to the device.
- **no username *username* profile vm-notif-profile num-pager extra-digits** removes the extra digits assigned to the device.
- **no username *username* profile vm-notif-profile num-pager phonenumber** removes the phone number from the device and automatically disables the device.
- **no (or default) username *username* profile vm-notif-profile num-pager preference** sets the notification preference to **urgent**.
- **no username *username* profile vm-notif-profile num-pager schedule day *day-of-week* active from *hh:mm* to *hh:mm*** deactivates the sending of notifications for the specified time slot.

Examples

The following example configures the cell phone for subscriber user3:

```
se-10-0-0-0# username user3 profile vm-notif-profile num-pager phonenumber 12225550150
se-10-0-0-0# username user3 profile vm-notif-profile num-pager enable
se-10-0-0-0# username user3 profile vm-notif-profile num-pager extra-digits 9
se-10-0-0-0# username user3 profile vm-notif-profile num-pager all
se-10-0-0-0# username user3 profile vm-notif-profile num-pager schedule day 2 active from
08:00 to 17:00
se-10-0-0-0# username user3 profile vm-notif-profile num-pager schedule day 3 active from
08:00 to 12:00
se-10-0-0-0# username user3 profile vm-notif-profile num-pager schedule day 4 active from
13:00 to 16:00
se-10-0-0-0# username user3 profile vm-notif-profile num-pager schedule day 5 active from
08:00 to 14:00
se-10-0-0-0# username user3 profile vm-notif-profile num-pager schedule day 6 active from
08:00 to 17:00
```

Related Commands	Command	Description
	show voicemail notification owner	Displays the voicemail notification configuration for specific subscribers or groups.
	username profile (phone devices)	Configures notification parameters for a subscriber's cell phone.
	username profile email	Configures notification parameters for a subscriber's e-mail.
	username profile text-pager	Configures notification parameters for a subscriber's text pager.

username profile text-pager

To configure a subscriber's text pager for message notification, use the **username profile text-pager** command in Cisco Unity Express EXEC mode. To remove or deactivate a parameter from the text pager device, use the **no** or **default** form of this command.

```
username username profile vm-notif-profile text-pager
  {address email-address
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text email-text}
```

```
no username username profile vm-notif-profile text-pager
  {address email-address
  enable
  preference {all | urgent}
  schedule day day-of-week active from hh:mm to hh:mm
  text message-text}
```

```
default username username profile vm-notif-profile text-pager preference {all | urgent}
```

Syntax	Description
<i>username</i>	User ID for the voice-mail subscriber who owns the text pager.
address <i>email-address</i>	E-mail address to which an outgoing text notification will be sent.
enable	Enables the device in the subscriber's profile.
preference {all urgent}	Enables the message notification type for the device. all sends all voice messages to the device. urgent sends only urgent messages to the device.
schedule day <i>day-of-week</i> active from <i>hh:mm</i> to <i>hh:mm</i>	Sets a time slot when the device can receive notifications. Valid values for <i>day-of-week</i> are 1 to 7, where 1 is Sunday, 2 is Monday, and so forth. Use the hour and half-hour on the 24-hour clock for the time. Valid values for <i>hh</i> are 00 to 24 and for <i>mm</i> either 00 or 30.
text <i>message-text</i>	Text of the message that will be appended to the outgoing text pager notification. The message can contain all alphanumeric characters except question mark (?). The maximum message length is 128 characters.

Defaults
Text pager notifications are disabled.
Default preference is **urgent**.

Command Modes
Cisco Unity Express EXEC

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

Usage Guidelines

The system creates one default notification profile with the filename **vm-notif-profile** per subscriber. This filename cannot be changed.

Repeat the command with the **schedule** parameter to configure more than one time slot. This parameter changes only the specified time slots; the configuration for the other time slots is not changed.

An error message appears for the following conditions:

- The subscriber does not exist in the system.
- The subscriber does not have a mailbox.
- The administrator has disabled message notification on a system-wide basis.
- Text paging is enabled before the e-mail address is defined.
- Text paging is enabled and an SMTP server is not configured.
- The system-wide notification preference is set to **urgent** and an attempt is made to set this subscriber's preference to **all**.
- The schedule start time is later than the schedule end time.
- Message text contains a question mark (?).
- Message text is longer than 128 characters.

Using the **no** or **default** form of this command results in the following conditions:

- **no username *username* profile vm-notif-profile text-pager enable** disables the sending of notifications to the device.
- **no username *username* profile vm-notif-profile text-pager address *email-address*** removes the e-mail address assigned to the device and automatically disables the device.
- **no (or default) username *username* profile vm-notif-profile text-pager preference** sets the notification preference to **urgent**.
- **no username *username* profile vm-notif-profile text-pager schedule day *day-of-week* active from *hh:mm* to *hh:mm*** deactivates the sending of notifications for the specified time slot.
- **no username *username* profile vm-notif-profile text-pager text** removes the text associated with this device.

Examples

The following example configures the cell phone for subscriber user3:

```
se-10-0-0-0# username user3 profile vm-notif-profile text-pager address user1@company.com
se-10-0-0-0# username user3 profile vm-notif-profile text-pager enable
se-10-0-0-0# username user3 profile vm-notif-profile text-pager all
se-10-0-0-0# username user3 profile vm-notif-profile text-pager schedule day 3 active from
08:00 to 10:00
se-10-0-0-0# username user3 profile vm-notif-profile text-pager text "Sales meeting
scheduled in main office conference room C 1:00-3:00 p.m. 4/19/06"
```

Related Commands

Command	Description
show voicemail notification owner	Displays the voicemail notification configuration for specific subscribers or groups.
username profile (phone devices)	Configures notification parameters for a subscriber's cell phone.

Command	Description
username profile email	Configures notification parameters for a subscriber's e-mail.
username profile num-pager	Configures notification parameters for a subscriber's numeric pager.

username site

To associate a user to a site, use the **username site** command in Cisco Unity Express configuration mode.

```
username username site site-name
```

Syntax Description

<i>username</i>	Name of the user you want to associate to the site
<i>site-name</i>	Site to which to associate a user.

Defaults

None.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
3.2	This command was introduced.

Usage Guidelines

If an incorrect user or site name is provided, a message indicates that the user or site does not exist.

Examples

The following example associates a user to a site:

```
se-10-0-0-0# config t
se-10-0-0-0 (config)# username user1 site site1
se-10-0-0-0 (config)# exit
```

Related Commands

Command	Description
description (site)	Configures a description for a specific site.
site name	Creates a site.
web username password (site)	Configures the Web username and Web password for a site.
web credentials hidden (site)	Configures the Web hidden credentials for a site
xml username password (site)	Configures the XML username and password for a site.
xml credentials hidden (site)	Configures the XML hidden credentials for a site



V

Last Updated: June 23, 2011

[voice mailbox copy owner](#)
[voice mailbox delete owner](#)
[voice mailbox owner](#)
[voice mailbox unlock](#)
[voicemail broadcast message](#)
[voicemail broadcast message delete](#)
[voicemail broadcast mwi](#)
[voicemail broadcast recording time](#)
[voicemail broadcast vpim-id](#)
[voicemail callerid](#)
[voicemail capacity time](#)
[voicemail configuration outgoing-email from-address](#)
[voicemail conversation address-by](#)
[voicemail conversation caller caller-flow restriction-table](#)
[voicemail conversation caller multi-msgs-any-mbx](#)
[voicemail conversation caller multi-msgs-same-mbx](#)
[voicemail conversation caller recording-prompt](#)
[voicemail conversation subscriber msg-properties brief](#)
[voicemail conversation subscriber msg-properties day-of-week](#)
[voicemail conversation subscriber play-gdm-summary](#)
[voicemail default](#)
[voicemail default biz-schedule](#)
[voicemail default broadcast expiration time](#)
[voicemail extension-length \(network location id\)](#)
[voicemail fax restriction](#)
[voicemail live-record beep duration](#)
[voicemail live-record beep interval](#)

voicemail live-record pilot-number
voicemail live-reply calling-number-rule
voicemail live-reply enable
voicemail live-reply network precedence
voicemail live-reply restriction
voicemail mailbox-selection
voicemail message future delete
voicemail non-subscriber restriction
voicemail notification allow-login
voicemail notification cascading enable
voicemail notification connect-timeout
voicemail notification email attach
voicemail notification enable
voicemail notification owner
voicemail notification preference
voicemail notification text prefix
voicemail notification text suffix
voicemail operator telephone
voicemail phone-prefix (network location id)
voicemail recording time
voicemail secure-messaging outgoing
voicemail secure-messaging (location)
voicemail spoken-name (network location id)
voicemail vcard
voicemail vpim-encoding (network location id)
voicemail zero-out restriction

voice mailbox copy owner

To upload the greeting for a specified type for a mailbox, use the **voice mailbox copy owner** command in Cisco Unity Express EXEC mode. There is no **default** or **no** form of this command.

voice mailbox copy owner *name* **greeting** {**alternate** | **meeting** | **vacation** | **extended-absence** | **busy** | **internal** | **closed**} **url** *url* **username** *username* **password** *password*}

Syntax Description		
	<i>name</i>	Name of the mailbox owner.
	alternate	Enable, record, or download an alternate greeting.
	meeting	Enable, record, or download a meeting greeting.
	vacation	Enable, record, or download a vacation greeting.
	extended-absence	Enable, record, or download a extended-absence greeting.
	busy	Enable, record, or download a busy greeting.
	internal	Enable, record, or download a internal greeting.
	closed	Enable, record, or download a closed greeting.
	url <i>url</i>	URL to download a greeting from.
	username <i>username</i>	Username for the server that you are downloading the greeting from.
	password <i>password</i>	Password for the server that you are downloading the greeting from

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced

Usage Guidelines The format of the audio file and the maximum size of the audio is checked when greeting is uploaded.

Examples The following examples show two ways to upload a busy greeting:

```
se-10-0-0-0# voicemail mailbox copy owner user-8 greeting busy url
ftp://10.2.2.44/busy-greeting.wav username user-8 password pswd
```

```
se-10-0-0-0# voicemail mailbox copy owner user-8 greeting busy url
ftp://user-8:pswd@10.2.2.44/busy-greeting.wav
```

Related Commands	Command	Description
	greeting	Configures greeting, including user recording.
	show voicemail	Shows the properties of the voice-mail system.

voice mailbox delete owner

To delete the user recording for a greeting, use the **voice mailbox delete owner** command in Cisco Unity Express EXEC mode. There is no **default** or **no** form of this command.

voice mailbox delete owner *name* **greeting** {**alternate** | **meeting** | **vacation** | **extended-absence** | **busy** | **internal** | **closed**} **user-recording**

Syntax Description

<i>name</i>	Name of the mailbox owner.
alternate	Enable, record, or download an alternate greeting.
meeting	Enable, record, or download a meeting greeting.
vacation	Enable, record, or download a vacation greeting.
extended-absence	Enable, record, or download a extended-absence greeting.
busy	Enable, record, or download a busy greeting.
internal	Enable, record, or download a internal greeting.
closed	Enable, record, or download a closed greeting.

Command Modes

Cisco Unity Express EXEC

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced

Usage Guidelines

This command will help free mailbox space because the greeting recording sizes are counted against the user mailbox size.

Examples

The following example shows how to delete the user recording for a vacation greeting:

```
se-10-0-0-0# voice mailbox delete owner owner4 greeting vacation user-recording
```

Related Commands

Command	Description
greeting	Configures greeting, including user recording.
show voicemail	Shows the properties of the voice-mail system.

voice mailbox owner

To create or modify a mailbox for a subscriber or a group and to enter mailbox configuration mode, use the **voice mailbox owner** command in Cisco Unity Express configuration mode. To delete the mailbox, use the **no** form of this command.

voice mailbox owner *name* [**type announcement-only**] [**size seconds**]

no voice mailbox owner *name*

The following commands are available in mailbox configuration mode:

Mailbox Configuration Mode Command	Is the Command Available for Personal Mailboxes?	Is the Command Available for Announcement-Only Mailboxes?
caller-flow caller-input	yes	yes
default	yes	yes
description “ <i>text</i> ”	yes	yes
disable	yes	yes
enable	yes	yes
end	yes	yes
expiration <i>days</i>	yes	no
fax enable	yes	no
greeting	yes	yes
login	yes	yes
mailboxsize <i>mailbox-size-seconds</i>	yes	yes
messagesize <i>message-size-seconds</i>	yes	no
no parameter	yes	yes
tutorial	yes	yes
zerooutnumber	yes	yes

Syntax Description

<i>name</i>	Name of the mailbox owner.
type announcement-only	(Optional) Specifies that the mailbox that cannot be used to leave messages. It is can only be used to make announcements.
size seconds	(Optional) Storage size of the mailbox, in seconds. This setting is the same value as mailboxsize and is not available for announcement-only mailboxes.
caller-flow caller-input	Specifies the Zero Out Number for the mailbox. This command replaces the zerooutnumber command in releases 7.1 and later.
default	Sets mailbox parameters to the system default values.
description “ <i>text</i> ”	Specifies a text description of the mailbox. The text must be enclosed in double quotes (“ ”).

disable	Deactivates the mailbox so that no members can access the voice messages.
enable	Activates the mailbox.
end	Leaves mailbox configuration mode.
expiration <i>days</i>	Specifies the length of time in days that messages can be stored in the mailbox.
fax enable	Specifies whether the mailbox is enabled to receive faxes from the fax gateway.
greeting	Enables you to use a standard greeting or an uploadable and configurable alternate greeting. For a detailed description, see the greeting command.
login	Configures the mailbox login.
mailboxsize <i>mailbox-size-seconds</i>	Specifies the storage size of the mailbox, in seconds. This is the same value as for the size keyword.
messagesize <i>message-size-seconds</i>	Specifies the maximum length in seconds of a message that can be stored in the mailbox.
no parameter	Deletes the configuration of a specific <i>parameter</i> value.
tutorial	Specifies whether the tutorial should be played. The default is enabled .
zerooutnumber	Specifies the Zero Out Number for the mailbox. This command is deprecated in releases 7.1 and later, and is replaced by the call-agent command.

Command Default

expiration: system-wide value
mailboxsize: system-wide value
messagesize: system-wide value
tutorial: enabled
size: 5 minutes (only for announcement-only mailboxes)

Command Modes

Cisco Unity Express configuration

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.

Cisco Unity Express Version	Modification
3.0	This command was modified to allow enabling of the receipt of faxes from the fax gateway.
7.1	This command was modified to allow the use of an uploadable and configurable alternate greeting and the configuration of an announcement-only mailbox, a mailbox login, and a zero-out number.

Usage Guidelines

If the *name* value refers to a subscriber, this command creates a personal mailbox mapped to the subscriber's name and extension (previously configured with the **username** command). If the *name* value refers to a group, the command creates a general-delivery mailbox that several subscribers and other groups can access.

The subscribers and groups must be configured before they are assigned to a mailbox.

The mailbox owner records a standard greeting and an alternate, if needed, from the telephone user interface (TUI). If the mailbox owner has not recorded any greetings for the mailbox, Cisco Unity Express uses a default greeting.

The *mailbox-size-seconds* and *message-size-seconds* values depend on the number of mailboxes to be created and the storage capacity of the voice-mail system. Some mailboxes may need to be larger than others to accommodate more or longer messages. For example, a customer service department may need a larger mailbox to accommodate messages from customers. Consider the purpose of the mailbox when assigning its size and message length.

The sequence in which the parameters are configured is optional.

Examples

The following example shows a mailbox created for a subscriber:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user8
se-10-0-0-0(config-mailbox)# description "User 8's mailbox"
se-10-0-0-0(config-mailbox)# greeting standard
se-10-0-0-0(config-mailbox)# mailboxsize 360
se-10-0-0-0(config-mailbox)# messagesize 150
se-10-0-0-0(config-mailbox)# expiration time 21
se-10-0-0-0(config-mailbox)# no tutorial
se-10-0-0-0(config-mailbox)# exit
se-10-0-0-0(config)#
```

Related Commands

Command	Description
show voicemail	Shows the properties of the voice-mail system.
voice mailbox owner	Configures a mailbox.

voice mailbox unlock

To unlock a voice mailbox, use the **voice mail unlock** command in Cisco Unity Express EXEC mode.

voice mail unlock {*downer name*| **telephonenumber** *tel-number*}

Syntax Description

owner name	Name of the mailbox owner. For a general delivery mailbox, this must be the owner's name, not a group member's name.
telephonenumber tel-number	Telephone number assigned to the mailbox.

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 Communication Manager 3.3(3).
1.1.2	This command was implemented on the Cisco 2800 series and Cisco 3800 series routers.

Usage Guidelines

When a mailbox becomes locked, the owner hears a message stating that the mailbox is unavailable.

Examples

The following example unlocks an individual mailbox:

```
se-10-0-0-0# enable
se-10-0-0-0# voice mailbox unlock owner user 3
```

The following example unlocks a general delivery mailbox:

```
se-10-0-0-0# enable
se-10-0-0-0# voice mailbox unlock owner sales
```

The following example unlocks a mailbox using an extension number:

```
se-10-0-0-0# enable
se-10-0-0-0# voice mailbox unlock telephonenumber 61122
```

Related Commands

Command	Description
show voicemail	Shows the properties of the voice-mail system.
voice mailbox owner	Configures a mailbox.

voicemail broadcast message

To configure the start and end times for a broadcast message, use the **voicemail broadcast message** command in Cisco Unity Express EXEC mode.

```
voicemail broadcast message message-id {starttime time date | endtime time date}
```

Syntax Description		
<i>message-id</i>		Coded identifier of the broadcast message. Use the show voicemail broadcast messages command to obtain the message ID.
starttime <i>time date</i>		Starting time and date, where <i>time</i> is in the 24-hour clock format and <i>date</i> has the format YYYY-MM-DD.
endtime <i>time date</i>		Ending time and date, where <i>time</i> is in the 24-hour clock format and <i>date</i> has the format YYYY-MM-DD.

Command Modes Cisco Unity Express EXEC

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

Examples

The following examples change the start and end times for a broadcast message:

```
se-10-0-0-0# voicemail broadcast message JMX0824L4R4-NM-FOC08221WSQ-1103139552166-NBCM
starttime 10:00 2004-09-15
se-10-0-0-0# voicemail broadcast message JMX0824L4R4-NM-FOC08221WSQ-1103139552166-NBCM
endtime 15:30 2004-09-16
```

Related Commands	Command	Description
	show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
	voicemail broadcast message delete	Deletes a broadcast message.
	voicemail broadcast mwi	Enables the MWI lights for broadcast messages.
	voicemail broadcast recording time	Configures the maximum length of broadcast messages.
	voicemail broadcast vpim-id	Configures the VPIM ID for a network location.
	voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

voicemail broadcast message delete

To delete a broadcast message, use the **voicemail broadcast message delete** command in Cisco Unity Express EXEC mode.

voicemail broadcast message *message-id* **delete**

Syntax Description	<i>message-id</i>	Coded identifier of the broadcast message. Use the show voicemail broadcast messages command to obtain the message ID. To delete all broadcast messages in the system, omit this argument from the command.
---------------------------	-------------------	--

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	2.1	This command was introduced.
	3.0	This command was modified to allow deleting of all broadcast messages in the system.

Examples The following example deletes a broadcast message:

```
se-10-0-0-0# voicemail broadcast message JMX0824L4R4-NM-FOC08221WSQ-1103139552166-NBCM delete
```

Related Commands	Command	Description
	show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
	voicemail broadcast message	Configures the start and end times of the broadcast message.
	voicemail broadcast mwi	Enables the MWI lights for broadcast messages.
	voicemail broadcast recording time	Configures the maximum length of broadcast messages.
	voicemail broadcast vpim-id	Configures the VPIM ID for a network location.
	voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

voicemail broadcast mwi

To enable the message-waiting indicators (MWIs) to turn on when a voice mailbox receives a broadcast message, use the **voicemail broadcast mwi** command in Cisco Unity Express configuration mode. To disable the MWI lights, use the **no** form of this command.

voicemail broadcast mwi

no voicemail broadcast mwi

Syntax Description This command has no arguments or keywords.

Defaults The default is disabled.

Command Modes Cisco Unity Express configuration

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

Examples The following example illustrates enabling the MWI lights for broadcast messages:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail broadcast mwi
se-10-0-0-0(config)# end
```

The following example illustrates disabling the MWI lights for broadcast messages:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no voicemail broadcast mwi
se-10-0-0-0(config)# end
```

Related Commands	Command	Description
	show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
	voicemail broadcast message	Configures the start and end times of the broadcast message.
	voicemail broadcast message delete	Deletes a broadcast message.
	voicemail broadcast recording time	Configures the maximum length of broadcast messages.
	voicemail broadcast vpim-id	Configures the VPIM ID for a network location.
	voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

voicemail broadcast recording time

To configure the maximum broadcast message recording time for the local system, use the **voicemail broadcast recording time** command in Cisco Unity Express configuration mode. To set the recording time to the default value, use the **no** form of this command.

voicemail broadcast recording time *broadcast-length*

no voicemail broadcast recording time

Syntax Description	<i>broadcast-length</i>	Maximum length of broadcast messages, in seconds. Valid values range from 10 to 3600.
---------------------------	-------------------------	---

Defaults	900 seconds
-----------------	-------------

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

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

Usage Guidelines

To modify the length of the broadcast message, use this command with a new value for the length. Use the **show run** command to display this value. The output contains entries similar to the following:

```
voicemail default mailboxsize 3000
voicemail broadcast recording time 2240
```

Examples

The following example sets the broadcast message length to 2240 seconds and the expiration time to 2 days.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail broadcast recording time 2240
se-10-0-0-0(config)# voicemail default broadcast expiration time 2
se-10-0-0-0(config)# exit
```

Related Commands	Command	Description
	show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
	voicemail broadcast message	Configures the start and end times of the broadcast message.
	voicemail broadcast message delete	Deletes a broadcast message.
	voicemail broadcast mwi	Enables the MWI lights for broadcast messages.

Command	Description
voicemail broadcast vpim-id	Configures the VPIM ID for a network location.
voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

voicemail broadcast vpim-id

To configure the voice profile for Internet messaging (VPIM) ID for broadcast messages on the local system, use the **voicemail broadcast vpim-id** command in Cisco Unity Express configuration location mode. To delete the VPIM ID, use the **no** form of this command.

voicemail broadcast vpim-id *vpim-id*

no voicemail broadcast vpim-id *vpim-id*

Syntax Description

<i>vpim-id</i>	VPIM ID for broadcast messages. Valid VPIM IDs contain letters, numbers, underscore (_), dash (-), and dot (.). The maximum length is 32 characters.
----------------	--

Command Modes

Cisco Unity Express configuration location

Command History

Cisco Unity Express Release	Modification
2.1	This command was introduced.

Examples

The following example sets the broadcast message VPIM ID to ny-270 for network location 150:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 150
se-10-0-0-0(config-location)# voicemail broadcast vpim-id ny-270
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit
```

The following example deletes the broadcast message VPIM ID ny-270 for network location 150:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 150
se-10-0-0-0(config-location)# no voicemail broadcast vpim-id ny-270
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
voicemail broadcast message	Configures the start and end times of the broadcast message.
voicemail broadcast message delete	Deletes a broadcast message.
voicemail broadcast mwi	Enables the MWI lights for broadcast messages.
voicemail broadcast recording time	Configures the maximum length of broadcast messages.
voicemail default broadcast expiration time	Configures the expiration time of broadcast messages.

voicemail callerid

To enable playing of caller ID information from incoming voice-mail messages, use the **voicemail callerid** command in Cisco Unity Express configuration mode. To disable caller ID playing, use the **no** form of this command.

voicemail callerid

no voicemail callerid

Syntax Description

This command has no arguments or keywords.

Defaults

Playing of caller ID information is disabled.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.1	This command was introduced.

Usage Guidelines

When receiving an incoming voice-mail message from an external caller, the system attempts to match the associated caller ID information with an entry in the local directory. If a match is not found and the system is configured to play caller ID information, the system plays the sender's telephone number in the message envelope when the recipient listens to that message. If the system is not configured to play caller ID information, the system plays "Unknown Caller" in the message envelope.

Cisco Unity Express does not verify that the caller ID information is valid. That function is dependent on the central office (CO) and the incoming trunk setup. Additionally, the local system plays caller ID information for Cisco Unified Communications Manager Express or Cisco Unified Communications Manager extensions that are not configured in the local Cisco Unity Express directory.

The default caller ID status is disabled. Additionally, the GUI **Defaults > Voice Mail** option may be used to enable or disable playing of caller ID information.



Note

An external call is any telephone number that is not listed in the Cisco Unity Express user directory. Possible sources of external calls are the local telephone company, an IP telephone, or an H.323 gateway. These sources must be configured to present caller ID information to the Cisco Unity Express system.

Examples

The following example illustrates enabling caller ID information on the local system:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail callerid
se-10-0-0-0(config)# exit
```

The following example illustrates disabling caller ID information on the local system:

```
se-10-0-0-0# config t  
se-10-0-0-0(config)# no voicemail callerid  
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show voicemail configuration	Displays limits for voice mailboxes and messages, including broadcast messages.

voicemail capacity time

To specify the maximum storage space, in minutes, for all recorded messages and greetings, use the **voicemail capacity time** command in Cisco Unity Express configuration mode. To set the maximum storage space to the default value, use the **no** form of this command.

voicemail capacity time *minutes*

no voicemail capacity time

Syntax Description	<i>minutes</i>	Total storage time, in minutes, for all recorded messages and greetings in the voice-mail system.
---------------------------	----------------	---

Defaults The default storage time is determined by the license.

Command Modes Cisco Unity Express configuration

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 This command sets the maximum storage time for all recorded voice-mail messages and greetings. The maximum value permitted is determined by the capacity of your Cisco Unity Express module.

Examples The following example sets the total capacity for all recorded voice-mail messages and greetings to 100 hours (6000 minutes):

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail capacity time 6000
se-10-0-00-(config)# exit
```

Related Commands	Command	Description
	show voicemail limits	Displays the voice-mail limits.
	voicemail default	Assigns default values for all new mailboxes.
	voicemail operator telephone	Creates an operator mailbox.

voicemail configuration outgoing-email from-address

To configure the from-address for outgoing e-mails, use the **voicemail configuration outgoing-email from-address** in the Cisco Unity Express configuration mode. To delete the from-address, use the **no** form of this command.

voicemail configuration outgoing-email from-address *email-address*

no voicemail configuration outgoing-email from-address

Syntax Description

email-address

E-mail address used in the From field of an outgoing e-mail message. The default is *hostname@domain*, where *hostname* is the hostname configured for Cisco Unity Express and *domain* is the domain name configured for Cisco Unity Express. Maximum length is 128 characters.

Defaults

The default e-mail address is *cisco-unity-express-hostname@cisco-unity-express-domain-name*.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.3.2	This command was introduced.

Usage Guidelines

The from-address is a system-wide value and cannot be configured for specific subscribers.

Outgoing e-mails from Cisco Unity Express, especially message notifications, display the specified address in the From field.

The From address can be configured using the GUI **Defaults > Voice Mail** option.

Examples

The following example configures the From field for outgoing e-mails to myname@mycompany.com.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail configuration outgoing-email from-address
myname@mycompany.com
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
show voicemail configuration	Displays the From address for e-mails sent out from Cisco Unity Express.

voicemail conversation address-by

To specify how voice-mail messages are addressed by default, use the **voicemail conversation address-by** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to return to the default behavior.

voicemail conversation address-by {extension | name}

no voicemail conversation address-by {extension | name}

default voicemail conversation address-by

Syntax Description

extension	Voice-mail messages are addressed by extension.
name	Voice-mail messages are addressed by name.

Command Default

Voice mails are addressed by name (or dial-by name).

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail conversation address-by** command in Cisco Unity Express configuration mode to specify whether voice-mail messages are addressed by name or by extension.

This command changes the addressing behavior for all message features, including:

- Individual subscriber message addressing
- Distribution lists
- Cascading
- Multiple voice-mail messages

If you use the **no** form of this command, the system returns to the default behavior, and voice-mail messages are addressed by name.

Examples

The following example specifies that voice-mail messages are addressed by extension:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation address-by extension
```

Related Commands

Command	Description
show voicemail conversation	Displays the configuration of the voice-mail conversation.

voicemail conversation caller caller-flow restriction-table

To configure a restriction table to limit the scope of call transfers through a call flow, including the zero out option, use the **voicemail conversation caller caller-flow restriction-table** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the association.

voicemail conversation caller caller-flow restriction-table *table-name*

no voicemail conversation caller caller-flow restriction-table *table-name*

Syntax Description

<i>table-name</i>	Specifies the name of the restriction table that limits the scope of call transfers through a call flow.
-------------------	--

Command Default

There is no restriction table associated with the caller input feature.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
7.1	This command was introduced.

Usage Guidelines

This command replaces the **voicemail zero-out restriction** command in versions 7.1 and later. An error message appears when there is no restriction table. To create a restriction table, see the **restriction create** command. To configure a restriction table, see the “Related Commands” section.

Examples

The following example shows the assignment of a restriction table that blocks all external calls made through a call flow:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation caller caller-flow restriction-table
block-external
```

Related Commands

Command	Description
restriction create	Creates a restriction table.
restriction dial-string	Specifies the restricted number dial pattern.
restriction delete	Deletes a restriction table.
restriction max-digits	Specifies the maximum number of digits in a restricted number.
restriction min-digits	Specifies the minimum number of digits in a restricted number.
show voicemail zero-out restriction-table	Displays the name of the restriction table associated with the zero out feature.

voicemail conversation caller multi-msgs-any-mbx

To enable the caller to leave multiple messages for any mailbox, use the **voicemail conversation caller multi-msgs-any-mbx** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable this feature.

voicemail conversation caller multi-msgs-any-mbx

no voicemail conversation caller multi-msgs-any-mbx

Syntax Description

This command has no arguments or keywords.

Command Default

The facility that enables the caller to leave multiple messages for any mailbox is disabled. Also, calls are disconnected or transferred to auto attendant after one message.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail conversation caller multi-msgs-any-mbx** command in Cisco Unity Express configuration mode to enable the caller to leave multiple messages for any mailbox.

If you use the **no** form of this command, the system returns to the default behavior, and calls are disconnected or transferred to auto attendant after one message.

Examples

The following example enables this feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation caller multi-msgs-any-mbx
```

Related Commands

Command	Description
show voicemail conversation	Displays the configuration of the voice-mail conversation.

voicemail conversation caller multi-msgs-same-mbx

To enable the caller to leave multiple messages for the same mailbox, use the **voicemail conversation caller multi-msgs-same-mbx** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable this feature.

voicemail conversation caller multi-msgs-same-mbx

no voicemail conversation caller multi-msgs-same-mbx

Syntax Description

This command has no arguments or keywords.

Command Default

The facility that enables caller to leave multiple messages for the same mailbox is disabled. Also, calls are disconnected or transferred to auto attendant after one message.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail conversation caller multi-msgs-same-mbx** command in Cisco Unity Express configuration mode to enable the caller to leave multiple messages for the same mailbox.

If you use the **no** form of this command, the system returns to the default behavior and calls are disconnected or transferred to auto attendant after one message.

Examples

The following example enables this feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation caller multi-msgs-same-mbx
```

Related Commands

Command	Description
show voicemail conversation	Displays the configuration of the voice-mail conversation.

voicemail conversation caller recording-prompt

To enable playing a prompt to a caller to record a message, use the **voicemail conversation caller recording-prompt** command in Cisco Unity Express configuration mode. To disable the prompt, use the **no** form of this command.

voicemail conversation caller recording-prompt

no voicemail conversation caller recording-prompt

Syntax Description

This command has no arguments or keywords.

Defaults

The default is enabled (the system plays the prompt).

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines

The caller hears the following message after the recipient's greeting plays: "Record your message after the tone. When you are finished, hang up or press # for more options." Use this command to enable or disable the playing of this prompt.

To display the status of the caller recording-prompt, use the **show running-config** command. If the prompt has been disabled, the following line appears in the output:

```
no voicemail conversation caller recording-prompt
```

The **show running-config** output will not display any status of the prompt if the prompt is enabled.

Examples

The following example disables playing the caller record-prompt:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no voicemail conversation caller recording-prompt
se-10-0-0-0(config)# end
se-10-0-0-0#
```

Related Commands

Command	Description
show running-config	Displays configured system parameters.

voicemail conversation subscriber msg-properties brief

To specify that only a subset of the system-wide message properties (envelope) are played for regular voice-mail messages, use the **voicemail conversation subscriber msg-properties brief** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to restore to the default state of playing sender information, date, and time in the message properties (envelope).

voicemail conversation subscriber msg-properties brief

no voicemail conversation subscriber msg-properties brief

default voicemail conversation subscriber msg-properties brief

Syntax Description This command has no arguments or keywords.

Command Default The sender information, date, and time in the message properties (envelope) are played.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **voicemail conversation subscriber msg-properties brief** command in Cisco Unity Express configuration mode to specify that only a subset of the system-wide message properties (envelope) played on by voice mail for regular messages. By default, all of the standard message properties are played. When you use this command, the sender information, date, and time are stripped from the message properties playback.

There is an interaction with the setting of the **voicemail conversation msg-properties day-of-week** command because if brief message properties is enabled, the day-of-week setting has no impact.

Examples The following example strips the sender information, date, and time from the message properties playback:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation subscriber msg-properties brief
```

Related Commands	Command	Description
	show voicemail conversation	Displays the configuration of the voice-mail conversation subscriber.
	voicemail conversation subscriber msg-properties day-of-week	Includes the playing of the day-of-week information in the message properties (envelope) for regular voice-mail messages.

voicemail conversation subscriber msg-properties day-of-week

To include the playing of the day-of-week information in the message properties (envelope) for regular voice-mail messages, use the **voicemail conversation subscriber msg-properties day-of-week** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to remove the playing of the day-of-week information in the message properties (envelope).

voicemail conversation subscriber msg-properties day-of-week

no voicemail conversation subscriber msg-properties day-of-week

default voicemail conversation subscriber msg-properties day-of-week

Syntax Description

This command has no arguments or keywords.

Command Default

The playing of the day-of-week information in the message properties (envelope) is disabled.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail conversation subscriber msg-properties day-of-week** command in Cisco Unity Express configuration mode to play of the day-of-week information in the message properties (envelope) for regular voice-mail messages. By default day-of-week prompt playout is disabled. When you use this command, the day of week is spoken as part of the send date and receive data spoken in the message properties (envelope).

There is an interaction with the setting of the **voicemail conversation msg-properties brief** command because if brief message properties is enabled, the day-of-week setting has no impact.

Examples

The following example enables the playing of the day-of-week information in the message properties playback:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation subscriber msg-properties day-of-week
```

Related Commands

Command	Description
show voicemail conversation	Displays the configuration of the voice-mail conversation subscriber.

voicemail conversation subscriber play-gdm-summary

To enable the playing of a summary of new messages in all of the GDMs associated with a user, use the **voicemail conversation subscriber play-gdm-summary** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable this feature.

voicemail conversation subscriber play-gdm-summary

no voicemail conversation subscriber play-gdm-summary

Syntax Description

This command has no arguments or keywords.

Command Default

The playing of a summary of new messages in all of the GDMs associated with a user is disabled.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail conversation subscriber play-gdm-summary** command in Cisco Unity Express configuration mode to play of a summary of new messages in all of the GDMs associated with a user. The enabling of this feature is available at the system level.

Examples

The following example enables this feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail conversation subscriber play-gdm-summary
```

Related Commands

Command	Description
show voicemail conversation	Displays the configuration of the voice-mail conversation.

voicemail default

To assign default values for all new mailboxes, use the **voicemail default** command in Cisco Unity Express configuration mode. To set a default value to the system default, use the **no** form of this command.

```
voicemail default { expiration time days | language xx_YY | mailboxsize mailbox-size-seconds | messagesize message-size-seconds }
```

```
no voicemail default { expiration time | language | mailboxsize | messagesize }
```

Syntax Description		
expiration time <i>days</i>		Sets the number of days for which a message can be stored in a mailbox before the voice-mail system deletes it.
language <i>xx_YY</i>		Specifies the language used for voice-mail prompts on the local Cisco Unity Express system. Cisco Unity Express supports one language enabled on the system. See the Release Notes for Cisco Unity Express Release for a list of available languages.
mailboxsize <i>mailbox-size-seconds</i>		Sets the maximum number of seconds for storing messages in a mailbox. The maximum mailbox size depends on the installed software license size.
messagesize <i>message-size-seconds</i>		Sets the maximum number of seconds for a caller's message stored in a mailbox. Valid values range from 10 to 3600.

Defaults

expiration time: 30 days
language: installed language
mailboxsize: 3000 seconds
messagesize: 60 seconds

Command Modes

Cisco Unity Express configuration

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.
2.0	The language option was expanded to include languages other than U.S. English.

Usage Guidelines

This command assigns default values for new individual and general delivery mailboxes. These values can be configured later to other values for specific subscribers or mailboxes.

Examples

The following example sets the default values for new mailboxes:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail default expiration time 15
se-10-0-0-0(config)# voicemail default mailboxsize 360
se-10-0-0-0(config)# voicemail default messagesize 90
se-10-0-0-0(config)# voicemail default language de_DE
se-10-0-0-0(config)# end
```

The following example sets the default mailbox expiration time to the system default:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# no voicemail default expiration time
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
show voicemail	Displays limits for voice mailboxes and messages, including broadcast messages.
voicemail capacity time	Configures the maximum storage capacity for the voice-mail system.
voicemail operator telephone	Creates an operator mailbox.

voicemail default biz-schedule

To configure the default business schedule for the voicemail system, use the **voicemail default biz-schedule** command in Cisco Unity Express EXEC mode. Use the **no** form of this command to set the business schedule to *systemschedule*.

voicemail default biz-schedule *name*

no voicemail default biz-schedule *name*

Syntax Description	<i>name</i>	Specifies the name of the business schedule for the voicemail system.
---------------------------	-------------	---

Command Default	The business schedule is set to <i>systemschedule</i> .
------------------------	---

Command Modes	Cisco Unity Express EXEC
----------------------	--------------------------

Command History	Cisco Unity Express Version	Modification
	7.1	This command was introduced.

Usage Guidelines	If the business schedule is set to <i>systemschedule</i> and <i>systemschedule</i> is removed, the business schedule indicates that the business is open, 24 hours a day, 7 days a week.
-------------------------	--

Examples	The following example sets the business schedule to <i>normal</i> : <pre>se-10-0-0-0# voicemail default biz-schedule normal</pre>
-----------------	--

Related Commands	Command	Description
	calendar biz-schedule	Configures a specific business-hours schedule.
	show calendar holiday	Displays the date and description for one or more holidays.

voicemail default broadcast expiration time

To configure the expiration time for broadcast messages on the local system, use the **voicemail default broadcast expiration time** command in Cisco Unity Express configuration mode. To set the expiration time to the default value, use the **no** form of this command.

voicemail default broadcast expiration time *broadcast-days*

no voicemail default broadcast expiration time

Syntax Description

<i>broadcast-days</i>	Number of days for which the system stores broadcast messages. The maximum value is 365.
-----------------------	--

Defaults

30 days

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.1	This command was introduced.

Examples

The following example sets the broadcast message length to 20 seconds and the expiration time to 2 days.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail broadcast recording time 20
se-10-0-0-0(config)# voicemail default broadcast expiration time 2
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
show voicemail broadcast messages	Displays all broadcast messages, including the message ID, on the local system.
show voicemail	Displays limits for voice mailboxes and messages, including broadcast messages.
show voicemail mailboxes	Displays details of all voice mailboxes, including broadcast messages.
show voicemail usage	Displays the voice-mail usage, including broadcast messages.
voicemail broadcast message	Configures the start and end times of the broadcast message.
voicemail broadcast message delete	Deletes a broadcast message.
voicemail broadcast mwi	Enables the MWI lights for broadcast messages.
voicemail broadcast recording time	Configures the maximum length of broadcast messages.
voicemail broadcast vpim-id	Configures the VPIM ID for a network location.

voicemail extension-length (network location id)

To configure the number of digits contained in extensions at a network location, use the **voicemail extension-length** command in Cisco Unity Express location configuration mode. To remove the configuration for the number of extension digits, use the **no** form of this command.

```
voicemail extension-length {number | max number | min number}
```

```
no voicemail extension-length
```

Syntax Description		
	<i>number</i>	Configures the number of digits contained in extensions at the location.
	max number	Sets the maximum number of digits for extensions.
	min number	Sets the minimum number of digits for extensions.

Defaults The default minimum number of digits for extensions is 2, and the default maximum number of digits for extensions is 15.

Command Modes Cisco Unity Express location configuration

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

Usage Guidelines To specify a fixed number of digits for the extension length, use the **voicemail extension-length number** command. To specify a maximum or minimum length for the extension number, use the **max** or **min** keywords.

Examples The following example configures the voice-mail extension length to be 6 digits:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# voicemail extension-length 6
```

The following example configures the voice-mail extension maximum length to be 7 digits:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# voicemail extension-length max 7
```

Related Commands	Command	Description
	show network detail location id	Displays the configuration of a specific location.

voicemail fax restriction

To associate a restriction table with the fax feature, use the **voicemail fax restriction** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the association.

voicemail fax restriction *table-name*

no voicemail fax restriction *table-name*

Syntax Description	<i>table-name</i>	Restriction table with which the fax feature is being associated.
---------------------------	-------------------	---

Command Default	There is no restriction table associated with the fax feature.	
------------------------	--	--

Command Modes	Cisco Unity Express configuration	
----------------------	-----------------------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	Use the voicemail fax restriction command in Cisco Unity Express configuration mode to associate a restriction table with the fax feature.	
-------------------------	---	--

An error message appears when the specified restriction table does not exist on the system. To create a restriction table, see the **restriction create** command. To configure a restriction table, see the “Related Commands” section below.

Examples	The following example associates the restriction table called fax-restriction with the fax feature:	
-----------------	---	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail fax restriction fax-restriction
```

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	restriction dial-string	Specifies the restricted number dial pattern.
	restriction max-digits	Specifies the maximum number of digits in a restricted number.
	restriction min-digits	Specifies the minimum number of digits in a restricted number.
	show fax configuration	Displays the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.
	show voicemail fax restriction-table	Displays the name of the restriction table associated with the fax system.

voicemail live-record beep duration

To set the duration of beeps during live-recording, use the **voicemail live-record beep duration** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable the beep. Use the **default** form of this command to return the beep duration to its default value of 250 ms.

voicemail live-record beep duration *digits*

no voicemail live-record beep duration *digits*

default voicemail live-record beep duration

Syntax Description

<i>digits</i>	Live-record beep duration, in milliseconds (ms).
---------------	--

Command Default

The live-record beep duration is set to 250 milliseconds.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail live-record beep duration** command in Cisco Unity Express configuration mode to set the live-record beep duration. The beep duration is the elapsed time from when a beep starts playing to when it finishes playing. This beep duration is set in milliseconds and has a range of 50 to 1000 ms.

The **default** form of this command returns the beep duration to its default value of 250 ms.

For disclaimer information about this feature, see the legal information immediately following the title page.

Examples

The following example sets the live-record beep duration to 400 ms:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-record beep duration 400
```

Related Commands

Command	Description
show voicemail live-record	Displays the configuration of the live-record feature.
voicemail live-record beep interval	Sets the interval of beeps during live-recording.
voicemail live-record pilot-number	Enables the live-record feature and sets the number that forwards all incoming calls to the Cisco Unity Express voice-mail pilot number.

voicemail live-record beep interval

To set the interval of beeps during live-recording, use the **voicemail live-record beep interval** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to return the beep interval to the default value of 15 seconds.

voicemail live-record beep interval *digits*

no voicemail live-record beep interval *digits*

default voicemail live-record beep interval

Syntax Description

<i>digits</i>	Live-record beep interval, in seconds.
---------------	--

Command Default

The live-record beep interval is set to 15 seconds.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail live-record beep interval** command in Cisco Unity Express configuration mode to set the live-record beep interval. The beep interval is the elapsed time from the end of one beep and the start of the next beep. This beep interval is set in seconds and has a range of 1 to 30 seconds.

Both the **no** and the **default** form of this command return the beep interval to its default value of 15 seconds.

For disclaimer information about this feature, see the legal information immediately following the title page.

Examples

The following example sets the live-record beep interval to 10 seconds.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-record beep interval 10
```

Related Commands

Command	Description
show voicemail live-record	Displays the configuration of the live-record feature.
voicemail live-record beep duration	Sets the duration of beeps during live-recording.
voicemail live-record pilot-number	Enables the live-record feature and sets the number that forwards all incoming calls to the Cisco Unity Express voice-mail pilot number.

voicemail live-record pilot-number

To enable the live-record feature and to set the number that forwards all incoming calls to the Cisco Unity Express voice-mail pilot number, use the **voicemail live-record pilot-number** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to disable the live-record feature.

voicemail live-record pilot-number *digits*

no voicemail live-record pilot-number *digits*

default voicemail live-record pilot-number

Syntax Description	<i>digits</i>	Call-forward number from which all live-record sessions start.
---------------------------	---------------	--

Command Default	The live-record feature is disabled, and no pilot number is configured.
------------------------	---

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	Use the voicemail live-record pilot-number command in Cisco Unity Express configuration mode to enable the live-record feature and to set the number that forwards all incoming calls to the Cisco Unity Express voice-mail pilot number. All calls terminated on the Cisco Unity Express voice-mail pilot number from this number bypass the usual voice mail greeting and immediately start recording if the caller is a subscriber.
-------------------------	---

For disclaimer information about this feature, see the legal information immediately following the title page.

Examples	The following example sets the live-record pilot number to 0112:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-record pilot-number 0112
```

Related Commands	Command	Description
	show voicemail live-record	Displays the configuration of the live-record feature.
	voicemail live-record beep duration	Sets the duration of beeps during live-recording.
	voicemail live-record beep interval	Sets the interval of beeps during live-recording.

voicemail live-reply calling-number-rule

To specify how to derive the live-reply extension from configuration and VPIM voice card data, use the **voicemail live-reply calling-number-rule** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to return the calling number rule to its default state.

voicemail live-reply calling-number-rule {**extension** | **prefix-extension** | **location-extension** | **location-prefix-extension** | **prefix-location-extension**}

no voicemail live-reply calling-number-rule {**extension** | **prefix-extension** | **location-extension** | **location-prefix-extension** | **prefix-location-extension**}

default voicemail live-reply calling-number-rule

Syntax Description	extension	prefix-extension	location-extension	location-prefix-extension	prefix-location-extension
	Uses the sender's mailbox ID as the E.164 phone number. You can find this number in the <i>VPIM message header from</i> field, in the digits before the @ character.	Uses the configured network location prefix followed by the sender's mailbox ID. The network location prefix is given in the location subcommand with the command voicemail phone-prefix prefix-digits .	Uses the combination of the network location ID followed by the sender's mailbox ID. The network location ID is specified when defining a network location with the command network location id location-digits .	Uses the concatenation of network location ID, followed by network location prefix, and followed by mailbox ID.	Uses the concatenation of network location prefix, followed by network location ID, and followed by mailbox ID.

Command Default The calling number rule is set to **extension**.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **voicemail live-reply calling-number-rule** command in Cisco Unity Express configuration mode to specify how to derive the live-reply extension from configuration and VPIM voice card data. You can use the **default** or **no** form of this command to return the calling number rule to its default state of using the **extension** setting.

Examples

The following example specifies that the live-reply extension is derived from the combination of the network location ID, followed by the network location prefix, and followed by the mailbox ID:

```
se-10-0-0-0# config t  
se-10-0-0-0(config)# voicemail live-reply calling-number-rule location-prefix-extension
```

If you use this command and

- the location ID is configured as 112
- the location prefix is configured to 444
- the mailbox ID of the incoming VPIM message is 5678

then the resulting live-reply extension is 112-444-5678.

Related Commands

Command	Description
show voicemail live-reply	Displays the configuration of the live-reply feature.
show voicemail live-reply restriction-table	Displays information about the restriction table associated with the live-reply feature.

voicemail live-reply enable

To enable the live-reply feature at the system level, use the **voicemail live-reply enable** command in Cisco Unity Express configuration mode. Use the **no** and **default** form of this command to disable the live-reply feature.

voicemail live-reply enable

no voicemail live-reply enable

default voicemail live-reply enable

Syntax Description This command has no arguments or keywords.

Command Default The live-reply feature is disabled.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **voicemail live-reply enable** command in Cisco Unity Express configuration mode to enable the live-reply feature at the system level.

Examples The following example enables the live-reply feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-reply enable
```

Related Commands	Command	Description
	show voicemail live-reply	Displays the configuration of the live-reply feature.
	show voicemail live-reply restriction-table	Displays information about the restriction table associated with the live-reply feature.

voicemail live-reply network precedence

To specify the precedence for deriving the E.164 number used for live-reply, use the **voicemail live-reply network-precedence** command in Cisco Unity Express configuration mode. Use the **no** or **default** form of this command to return the calling number rule to its default state.

```
voicemail live-reply network-precedence {phonenumberE164 [calling-number-rule] |
calling-number-rule}
```

```
no voicemail live-reply network-precedence {phonenumberE164 [calling-number-rule] |
calling-number-rule}
```

```
default voicemail live-reply network-precedence
```

Syntax Description

phonenumberE164	Live reply can proceed only for VPIM messages received that contain the E.164 information for the remote subscriber. This effectively disables the calling number rule.
phonenumberE164 calling-number-rule	Live reply can use the calling number rule if the E164 number is not included in the VPIM message. If the VPIM message contains the E.164 information for the remote subscriber, this effectively disables the calling number rule.
calling-number-rule	Live reply uses the calling number rule to derive the remote subscribers E.164 number. Use the voicemail live-reply calling-number-rule command to configure the calling number rule. This setting disables using the E.164 number (if present) passed in the VPIM message from the remote Cisco Unity Express node.

Command Default

The live-reply feature cannot be used for voice mails delivered via VPIM.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail live-reply network-precedence** command in Cisco Unity Express configuration mode to specify the priority of whether the E.164 number used for live-reply is derived from a remote subscriber's E.164 number or from the E.164 number embedded in the VPIM message or voice card information.

By default, the E.164 number of the sender contained in a VPIM message (if present) will be preferred and used over the E.164 number derived using the calling number rule defined by the **voicemail live-reply calling-number-rule** command. If the E.164 number is not sent in the VPIM message, the system falls back and derives the remote subscriber's number using the calling number rule. This default corresponds to using the command **voicemail live-reply network-precedence phonenumberE164 calling-number-rule**.

Examples

The following example specifies that the E.164 number used for live reply is derived from the calling number rule:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-reply network-precedence calling-number-rule
```

Related Commands

Command	Description
show voicemail live-reply	Displays the configuration of the live-reply feature.
show voicemail live-reply restriction-table	Displays information about the restriction table associated with the live-reply feature.
voicemail live-reply enable	Enables the live-reply feature at the system level.

voicemail live-reply restriction

To associate a restriction table with the live-reply feature, use the **voicemail live-reply restriction** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the association.

voicemail live-reply restriction *table-name*

no voicemail live-reply restriction *table-name*

Syntax Description	<i>table-name</i>	Restriction table with which the live-reply feature is being associated.
--------------------	-------------------	--

Command Default	There is no restriction table associated with the live-reply feature.
-----------------	---

Command Modes	Cisco Unity Express configuration
---------------	-----------------------------------

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines	<p>Use the voicemail live-reply restriction command in Cisco Unity Express configuration mode to associate a restriction table with the live-reply feature.</p> <p>An error message appears when there is no restriction table. To create a restriction table, see the restriction create command. To configure a restriction table, see the “Related Commands” section below.</p>
------------------	--

Examples	<p>The following example associates the restriction table called live-reply-restriction with the message notification feature:</p>
----------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail live-reply restriction live-reply-restriction
```

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	restriction delete	Deletes a restriction table.
	restriction dial-string	Specifies the restricted number dial pattern.
	restriction max-digits	Specifies the maximum number of digits in a restricted number.
	restriction min-digits	Specifies the minimum number of digits in a restricted number.
	show voicemail live-reply	Displays the configuration of the live-reply feature.
	show voicemail live-reply restriction-table	Displays information about the restriction table associated with the live-reply feature.

voicemail mailbox-selection

To select the destination voice mailbox in which messages from forwarded calls are stored, use the **voicemail mailbox-selection** command in Cisco Unity Express configuration mode. To set the mailbox to the default value, use the **no** form of this command.

voicemail mailbox-selection {**last-redirect** | **original-called**}

no voicemail mailbox-selection

Syntax Description

last-redirect	Mailbox for the number that was the last to receive the redirected call (LRD).
original-called	Mailbox for the number that was originally called (OCN).

Defaults

The default mailbox is the LRD.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines

This parameter is system-wide and cannot be changed for specific extensions.

This command specifies the destination mailbox that receives the voice-mail message when a forwarded call does not answer.

For example, suppose caller A calls subscriber B, who forwards the call to subscriber C, who does not answer the call. Subscriber B's extension is the OCN and subscriber C's extension is the LRD. If OCN is configured, caller A's message is stored in subscriber B's mailbox. If LRD is configured, caller A's message is stored in subscriber C's mailbox.

The LRD option is backward compatible with earlier versions of Cisco Unity Express, Cisco Unified CME, and Cisco Unified Communications Manager.

If you configure the OCN option for Cisco Unity Express on a Cisco Unified CME platform, you must configure Cisco Unified CME to correspond. If you configure OCN for Cisco Unity Express on a Cisco Unified Communications Manager platform, no additional configuration on Cisco Unified Communications Manager is required.



Note

The mailbox selection option does not work in the following scenarios:

- Selecting the OCN option on a Cisco Unified CME system that networks two Cisco Unity Express modules.
- Selecting the OCN option on a Cisco Unified Communications Manager system that networks two Cisco Unity Express modules that do not have a configured voice-mail profile.
- Selecting the LRD option on a Cisco Unified Communications Manager system that networks two Cisco Unity Express modules that have a configured voice-mail profile.

Examples

The following example configures the OCN as the default mailbox to store voice-mail messages from forwarded calls.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail mailbox-selection original-called
se-10-0-0-0(config)# end
```

Related Commands

Command	Description
show voicemail	Displays the configured system-wide voice-mail parameters.

voicemail message future delete

To delete a message queued for future delivery, use the **voicemail message future delete** command in Cisco Unity Express EXEC mode.

voicemail message future *message-id* delete

Syntax Description	<i>message-id</i>	Message ID of the scheduled message. Use the show voicemail messages future command to display the message IDs of the scheduled messages.
---------------------------	-------------------	--

Defaults This command has no default message ID.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines An error message appears if *message-id* does not exist or if *message-id* does not belong to a message scheduled for future delivery.

Examples The following is sample output:

```
se-10-0-0-0# voicemail message future JMX0637L023-NM-FOC08221WRB-731357131983 delete
```

Related Commands	Command	Description
	show voicemail	Displays the number of messages queued for future delivery.
	show voicemail messages future	Displays all messages queued for future delivery.

voicemail non-subscriber restriction

To associate a restriction table with the non-subscriber message delivery feature, use the **voicemail non-subscriber restriction** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the association.

voicemail non-subscriber restriction *table-name*

no voicemail non-subscriber restriction *table-name*

Syntax Description	<i>table-name</i>	Restriction table with which the non-subscriber message delivery feature is being associated.
---------------------------	-------------------	---

Command Default There is no restriction table associated with the non-subscriber message delivery feature.

Command Modes Cisco Unity Express configuration

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines Use the **voicemail non-subscriber restriction** command in Cisco Unity Express configuration mode to associate a restriction table with the non-subscriber message delivery feature.

An error message appears when there is no restriction table. To create a restriction table, see the **restriction create** command. To configure a restriction table, see the “Related Commands” section.

Examples The following example associates the restriction table called non-subscriber-restrict with the non-subscriber message delivery feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail non-subscriber restriction non-subscriber-restrict
```

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	restriction delete	Deletes a restriction table.
	restriction dial-string	Specifies the restricted number dial pattern.
	restriction max-digits	Specifies the maximum number of digits in a restricted number.
	restriction min-digits	Specifies the minimum number of digits in a restricted number.
	show voicemail non-subscriber restriction-table	Displays the name of the restriction table associated with the non-subscriber message delivery feature.

voicemail notification allow-login

To allow subscribers to log into their voice mail during outgoing notification calls, use the **voicemail notification allow-login** command in the Cisco Unity Express configuration mode. To prevent subscribers from accessing their voice mail during notification calls, use the **no** or **default** form of this command.

voicemail notification allow-login

no voicemail notification allow-login

Syntax Description This command has no arguments or keywords.

Defaults Voice-mail login is disabled.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines Use the **voicemail notification allow-login** command after the message notification feature is enabled system wide.

This capability is available only for phone devices.

If the capability is enabled, the system provides the subscriber with an option to log into voice mail to retrieve the message.

If the capability is disabled, the system plays a notification prompt three times before disconnecting the notification call.

Examples The following example enables voice-mail login during notification calls.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification enable
se-10-0-0-0(config)# voicemail notification allow-login
```

Related Commands	Command	Description
	show voicemail notification	Displays the system-wide notification settings.
	show voicemail notification owner	Displays the notification information for a specific subscriber or group.
	show voicemail notification restriction-table	Displays the restriction table configuration.

Command	Description
voicemail notification connect-timeout	Sets the message timeout length.
voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
voicemail notification enable	Enables the message notification feature.
voicemail notification owner	Enables message notification for a specific subscriber or group.
voicemail notification preference	Sets the message notification preference type.

voicemail notification cascading enable

To enable the notification cascading feature at the system level, use the **voicemail notification cascading enable** command in Cisco Unity Express configuration mode. Use the **no** form of this command to disable the notification cascading feature.

voicemail notification cascading enable

no voicemail notification cascading enable

Syntax Description

This command has no arguments or keywords.

Command Default

The notification cascading feature is disabled.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

Use the **voicemail notification cascading enable** command in Cisco Unity Express configuration mode to enable the notification cascading feature at the system level.

Examples

The following example enables the notification cascading feature:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification cascading enable
```

Related Commands

Command	Description
show voicemail msg-notification restriction-table	Displays information about the restriction table associated with the non-subscriber message delivery feature.
show voicemail notification	Displays the message notification configuration.
show voicemail notification owner cascade	Displays the details of the message notification configuration for a specific user or group.

voicemail notification connect-timeout

To specify the time period after which the system disconnects a notification call, use the **voicemail notification connect-timeout** command in the Cisco Unity Express configuration mode. To set the connect time to the default, use the **no** or **default** form of this command.

voicemail notification connect-timeout *seconds*

no voicemail notification connect-timeout

default voicemail notification connect-timeout

Syntax Description	<i>seconds</i>	Number of seconds a notification call will attempt to connect before the system disconnects the call. Valid values are 12 to 96 seconds. The default is 48 seconds.
---------------------------	----------------	---

Defaults Connect timeout is 48 seconds.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines Use this command after the message notification feature is enabled system wide. This command applies only to phone devices and numeric pagers. The system treats the disconnected call as a failed call.

Examples The following example sets the connection timeout to 75 seconds.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification enable
se-10-0-0-0(config)# voicemail notification connect-timeout 75
```

Related Commands	Command	Description
	show voicemail notification	Displays the system-wide notification settings.
	show voicemail notification owner	Displays the notification information for a specific subscriber or group.
	show voicemail notification restriction-table	Displays the restriction table configuration.

Command	Description
voicemail notification allow-login	Configures e-mail login during a message notification call.
voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
voicemail notification enable	Enables the message notification feature.
voicemail notification owner	Enables message notification for a specific subscriber or group.
voicemail notification preference	Sets the message notification preference type.

voicemail notification email attach

To enable voice messages to be attached to e-mail notifications, use the **voicemail notification email attach** command in the Cisco Unity Express configuration mode. To prevent subscribers or groups from attaching voice messages to e-mail notifications, use the **no** or **default** form of this command.

voicemail notification email attach

no voicemail notification email attach

default voicemail notification email attach

Syntax Description This command has no arguments or keywords.

Defaults E-mail attachment is disabled.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines

Use this command after message notification is enabled system wide.

The administrator can change this setting for specific subscribers or groups to a value other than the system-wide setting.

The system never attaches a private message to notification e-mails, regardless of this setting.

If the administrator changes this system-wide setting from enabled to disabled, the system disables this feature for all subscribers and groups.

If the administrator changes this system-wide setting from disabled to enabled, the system does not change the setting for subscribers or groups who were configured on an individual basis.

Examples The following example enables voice message attachments to e-mail notifications.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification email attach
```

Related Commands	Command	Description
	show voicemail notification	Displays the system-wide notification settings.
	show voicemail notification owner	Displays the notification information for a specific subscriber or group.

Command	Description
show voicemail notification restriction-table	Displays the restriction table configuration.
voicemail notification allow-login	Configures e-mail login during a message notification call.
voicemail notification connect-timeout	Sets the message timeout length.
voicemail notification enable	Enables the message notification feature.
voicemail notification owner	Enables message notification for a specific subscriber or group.
voicemail notification preference	Sets the message notification preference type.

voicemail notification enable

To enable message notification system wide, use the **voicemail notification enable** command in the Cisco Unity Express configuration mode. To disable message notification system wide, use the **no** form of this command.

voicemail notification enable

no voicemail notification enable

Syntax Description

This command has no arguments or keywords.

Defaults

Message notification is disabled.

Command Modes

Cisco Unity Express configuration

Command History

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

Usage Guidelines

When the administrator enables this feature for the first time, the feature is not enabled for all subscribers and groups. If specific subscribers or groups are to have access to this feature, the administrator can enable message notification for those subscribers or groups on an individual basis. The subscribers or groups must have a mailbox assigned to them.

Message notification for text messages requires the use of an SMTP server. If no SMTP server is configured when this command is executed, the system displays a message indicating that e-mail and text pager notifications will not work.

Examples

The following example enables message notification.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification enable
```

Related Commands

Command	Description
show voicemail notification	Displays the system-wide notification settings.
show voicemail notification owner	Displays the notification information for a specific subscriber or group.
show voicemail notification restriction-table	Displays the restriction table configuration.
voicemail notification allow-login	Configures e-mail login during a message notification call.

Command	Description
voicemail notification connect-timeout	Sets the message timeout length.
voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
voicemail notification owner	Enables message notification for a specific subscriber or group.
voicemail notification preference	Sets the message notification preference type.

voicemail notification owner

To enable message notification for a specific subscriber or group, use the **voicemail notification owner** command in the Cisco Unity Express configuration mode. To disable message notification for a specific subscriber or group, use the **no** form of this command.

voicemail notification owner *user-id* **enable**

no voicemail notification owner *user-id*

Syntax Description	<i>user-id</i>	ID of an existing subscriber or group for whom message notification is enabled.
---------------------------	----------------	---

Defaults Message notification is disabled.

Command Modes Cisco Unity Express configuration

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

Usage Guidelines Use this command to enable message notification for a subscriber or group after the message notification feature is enabled system wide. The system displays an error message if the feature is not enabled system wide.

The subscriber or group must exist on the system and have a voice mailbox before you enable message notification. The system displays an error message if the subscriber or group does not exist or if the subscriber or group does not have a mailbox.

If the feature is disabled on a system-wide basis, the feature becomes disabled for all subscribers and groups. However, the system does not delete the device settings for the subscribers and groups. When the feature is enabled again, the system restores the settings for the subscribers and groups as they were before the system-wide disabling.

If message notification is enabled system-wide and the administrator adds a new subscriber or group, the feature is disabled for that subscriber or group.

Examples The following example enables message notification for user3 and group sales.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification enable
se-10-0-0-0(config)# voicemail notification owner user3 enable
se-10-0-0-0(config)# voicemail notification owner sales enable
```

Related Commands	Command	Description
	show voicemail notification	Displays the system-wide notification settings.
	show voicemail notification owner	Displays the notification information for a specific subscriber or group.
	show voicemail notification restriction-table	Displays the restriction table configuration.
	voicemail notification allow-login	Configures e-mail login during a message notification call.
	voicemail notification connect-timeout	Sets the message timeout length.
	voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
	voicemail notification enable	Enables the message notification feature.
	voicemail notification preference	Sets the message notification preference type.

voicemail notification preference

To specify the message notification preference system wide, use the **voicemail notification preference** command in the Cisco Unity Express configuration mode. To set the preference to urgent system wide, use the **no** or **default** form of this command.

voicemail notification preference {all | urgent}

no voicemail notification preference

default voicemail notification preference

Syntax Description

all	Sets the preference to all so that the system sends notifications for all received voice messages.
urgent	Sets the preference to urgent so that the system sends notifications only for urgent voice messages. urgent is the default preference.

Defaults

Message notification preference is urgent.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
2.3	This command was introduced.

Usage Guidelines

Use this command to set the system-wide preference after the message notification feature is enabled system wide.

The administrator can set the preference for specific subscribers or groups to a value other than the system-wide setting.

If the administrator changes the system-wide preference from **all** to **urgent**, the system changes the preference to **urgent** for all subscribers and groups.

If the administrator changes the system-wide preference from **urgent** to **all**, the system does not change the preference for those subscribers or groups who were configured individually.

Examples

The following example sets the notification preference to all.

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail notification enable
se-10-0-0-0(config)# voicemail notification preference all
```

Related Commands

Command	Description
show voicemail notification	Displays the system-wide notification settings.
show voicemail notification owner	Displays the notification information for a specific subscriber or group.
show voicemail notification restriction-table	Displays the restriction table configuration.
voicemail notification allow-login	Configures e-mail login during a message notification call.
voicemail notification connect-timeout	Sets the message timeout length.
voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
voicemail notification enable	Enables the message notification feature.
voicemail notification owner	Enables message notification for a specific subscriber or group.

voicemail notification text prefix

To append a text message preceding a voicemail notification on a system-wide basis, use the **voicemail notification text prefix** command in Cisco Unity Express configuration mode. To delete the text message appended to the voicemail notification, use the **no** form of this command.

voicemail notification text prefix { **append** “*text message*” | **delimiting character** }

no voicemail notification text prefix { **append** [“*text message*”] | **delimiting character** }

Syntax Description

append “*text message*” Specifies the text message as defined within the quotation marks.

delimiting character Specifies the use of free-form characters to modify the preceding text

Defaults

The preceding text message is disabled and the default preceding text message is empty.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

The preceding text message allows an administrator to insert the text message before the message notification content on a system-wide basis, rather than a per-user basis. The preceding text message can be anything which is useful for users, such as the Cisco Unity Express callback number or other voicemail callback numbers. Once a subscriber receives a voicemail message, he or she can get the callback number from the message notification preceding text information without looking at the directory for the voicemail number. The preceding text message can be any words, numbers and limited special characters. The supported characters are listed as the following: +, . [a-z]* [A-Z]* [0-9]*. The maximum length of the preceding text message is 250 characters.

When global message notification is enabled, the message notification is sent if the preceding text message configuration is set. When the preceding text message is removed, the preceding text message is turned off automatically.

If the text message has only one word, then the quotation marks do not need to be entered before and after the text.

The delimiting character can be used to terminate the text mode and return to configuration mode. The delimiting character can be any one word character, number, or special character except for “?”, “|”, and “\”. You can enter multiple lines at one time.

The notification is supported for email and text pagers only.

Examples

The following example configures the voicemail notification prefix text:

```
se-10-0-0-0(config)# voicemail notification text prefix append "Call Cisco Unity Express
at 555-1010"
```

Related Commands

Command	Description
show voicemail notification	Displays the system-wide notification settings.
show voicemail notification owner	Displays the notification information for a specific subscriber or group.
show voicemail notification restriction-table	Displays the restriction table configuration.
voicemail notification allow-login	Configures e-mail login during a message notification call.
voicemail notification connect-timeout	Sets the message timeout length.
voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
voicemail notification enable	Enables the message notification feature.
voicemail notification owner	Enables message notification for a specific subscriber or group.
voicemail notification preference	Sets the message notification preference type.
voicemail notification text suffix	Appends signature text following the notification text on a system-wide basis.

voicemail notification text suffix

To append signature text following the notification text on a system-wide basis, use the **voicemail notification text suffix** command in Cisco Unity Express configuration mode. To delete the text message appended to the voicemail notification, use the **no** form of this command.

voicemail notification text suffix { **append** “*text message*” | **delimiting character** }

no voicemail notification text suffix { **append** [“*text message*”] | **delimiting character** }

Syntax Description

append “*text message*” Specifies the text message as defined within the quotation marks.

delimiting character Specifies the use of free-form characters to modify the preceding text

Defaults

The signature text is disabled and the default signature text is empty.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
8.0	This command was introduced.

Usage Guidelines

The signature text message allows an administrator to insert the text message at the end of the message notification content on a system-wide basis, rather than a per-user basis. The signature text enables an administrator to add customized contact information or a signature to the message notification being sent. The signature text message can be any words, numbers and limited special characters. The supported characters are listed as the following: +, . [a-z]* [A-Z]* [0-9]*. The maximum length of the signature text message is 250 characters.

If the text message has only one word, then the quotation marks do not need to be entered before and after the text.

The delimiting character can be used to terminate the text mode and return to configuration mode. The delimiting character can be any one word character, number, or special character except for “?”, “|”, and “\”. You can enter multiple lines at one time.

The notification is supported for email and text pagers only.

Examples

The following example configures the signature text message that appears at the end of the message notification content:

```
se-10-0-0-0(config)# voicemail notification text suffix append "Contact Your System Administrator at 555-1111."
```

Related Commands	Command	Description
	show voicemail notification	Displays the system-wide notification settings.
	show voicemail notification owner	Displays the notification information for a specific subscriber or group.
	show voicemail notification restriction-table	Displays the restriction table configuration.
	voicemail notification allow-login	Configures e-mail login during a message notification call.
	voicemail notification connect-timeout	Sets the message timeout length.
	voicemail notification email attach	Enables voice messages to be attached to e-mail message notifications.
	voicemail notification enable	Enables the message notification feature.
	voicemail notification owner	Enables message notification for a specific subscriber or group.
	voicemail notification preference	Sets the message notification preference type.
	voicemail notification text prefix	Appends a text message preceding a voicemail notification on a system-wide basis.

voicemail operator telephone

To assign an extension as the voice-mail operator, use the **voicemail operator telephone** command in Cisco Unity Express configuration mode. To set the operator extension to the default value, use the **no** form of this command.

voicemail operator telephone *tel-number*

no voicemail operator telephone

Syntax Description

<i>tel-number</i>	Extension of the voice-mail operator.
-------------------	---------------------------------------

Defaults

The default operator extension is 0.

Command Modes

Cisco Unity Express configuration

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

A mailbox owner dials this extension while in the voice-mail system to reach the voice-mail operator. Do not assign this extension to a group.

This operator extension need not be the same as the auto-attendant operator extension. If they are the same, the voice-mail subscriber who dials the operator extension while in voice mail reaches the auto-attendant menu and then presses “0” to get the operator.

Examples

The following example assigns extension 9000 as the voice-mail operator:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail operator telephone 9000
```

Related Commands

Command	Description
show voicemail limits	Displays limits for voice mailboxes and messages, including broadcast messages.

voicemail phone-prefix (network location id)

To configure a voice-mail phone number prefix for a network location, use the **voicemail phone-prefix** command in Cisco Unity Express location configuration mode. To delete a prefix, use the **no** form of this command.

voicemail phone-prefix *number*

no voicemail phone-prefix *number*

Syntax Description

<i>number</i>	Phone number prefix that is added to an extension to create a voice profile for Internet messaging (VPIM) address for a subscriber at the network location. Valid values: 1 to 15 digits.
---------------	---

Defaults

The default value is an empty string.

Command Modes

Cisco Unity Express location configuration

Command History

Cisco Unity Express Release	Modification
2.0	This command was introduced.

Usage Guidelines

A prefix is required only if an e-mail domain services multiple locations, and extensions between the locations are not unique.

Examples

The following example shows a voice-mail phone prefix of 345 assigned to network location 484:

```
se-10-0-0-0(config)# network location id 484
se-10-0-0-0(config-location)# voicemail phone-prefix 345
se-10-0-0-0(config-location)# end
```

Related Commands

Command	Description
show network detail location id	Displays details about a specific network location.

voicemail recording time

To specify the maximum recording length for any message or greeting, use the **voicemail recording time** command in Cisco Unity Express configuration mode. To set the maximum recording time to the default value, use the **no** form of this command.

voicemail recording time *seconds*

no voicemail recording time

Syntax Description	<i>seconds</i>	Maximum length in seconds, for any recorded message or greeting in the voice-mail system. Valid values range from 10 to 3600.
---------------------------	----------------	---

Defaults	900 seconds
-----------------	-------------

Command Modes	Cisco Unity Express configuration
----------------------	-----------------------------------

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	This command sets the maximum length for any recorded voice-mail message and greeting. The maximum value permitted is determined by the capacity of your Cisco Unity Express module.
-------------------------	--

Examples	The following example sets the maximum recording time for any message or greeting to 15 minutes:
-----------------	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail recording time 15
```

Related Commands	Command	Description
	show voicemail limits	Displays limits for voice mailboxes and messages, including broadcast messages.

voicemail secure-messaging outgoing

To configure the global security properties for all outgoing messages, use the **voicemail secure-messaging outgoing** command in Cisco Unity Express configuration mode. To remove the security properties and return to the default values, use the **no** form of this command.

voicemail secure-messaging outgoing { **always** | **ask** | **never** | **private** }

no voicemail secure-messaging outgoing { **always** | **ask** | **never** | **private** }

Syntax Description

always	All outgoing messages are always marked secure.
ask	Messages are marked secure only when users mark them secure.
never	Messages are never marked secure.
private	Messages are marked secure only when users mark them private.

Command Default

Private.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Release	Modification
8.6	This command was introduced.

Usage Guidelines

The security settings can be configured for individual mailboxes using the **secure-messaging incoming** and **secure-messaging outgoing** commands in mailbox configuration mode. The settings for an individual mailbox override the global security settings.

If secure messaging is enabled, subscribers accessing Cisco Unity Express using the Telephony User Interface (TUI) or VoiceView Express interface can view, forward or send messages marked Secure. Subscribers accessing Cisco Unity Express using the web voicemail interface or through Cisco Unified Personal Communicator must use a secure HTTPS session to view, forward or send messages marked Secure.

Examples

The following example configures the security properties for so that outgoing messages are only marked secure when users mark them secure:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail secure-messaging outgoing ask
```

Related Commands	Command	Description
	secure-messaging incoming (mailbox)	Labels all the incoming messages received by the mailbox as secure.
	secure-messaging outgoing (mailbox)	Configures secure messaging settings for all outgoing messages sent from a mailbox.
	voicemail secure-messaging (location)	Labels all the incoming messages to a network location as secure.

voicemail secure-messaging (location)

To label all the incoming messages to a remote network location as secure, use the **voicemail secure-messaging** command in Cisco Unity Express location configuration mode. To remove the security setting from the location, use the **no** form of this command.

voicemail secure-messaging

no voicemail secure-messaging

Syntax Description This command has no arguments or keywords.

Command Default Secure messaging is not enabled.

Command Modes Cisco Unity Express location configuration

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

Usage Guidelines If secure messaging is enabled, subscribers accessing Cisco Unity Express using the Telephony User Interface (TUI) or VoiceView Express interface can view, forward or send messages marked Secure. Subscribers accessing Cisco Unity Express using the web voicemail interface or through Cisco Unified Personal Communicator must use a secure HTTPS session to view, forward or send messages marked Secure.

If a message marked Secure is sent to a remote network location where secure messaging is not enabled, a Non-Delivery Report (NDR) is generated.

Examples The following example configures the network location to support secure messaging:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# voicemail secure-messaging
```

Related Commands	Command	Description
	secure-messaging incoming (mailbox)	Labels all the incoming messages received by the mailbox as secure.
	secure-messaging outgoing (mailbox)	Configures secure messaging settings for all outgoing messages sent from a mailbox.
	voicemail secure-messaging outgoing	Configures the global security properties for all outgoing messages.

voicemail spoken-name (network location id)

To enable sending the spoken name of the voice-mail originator as part of a voice-mail message, use the **voicemail spoken-name** command in Cisco Unity Express location configuration mode. To disable sending the spoken name, use the **no** form of this command.

voicemail spoken-name

no voicemail spoken-name

Syntax Description

This command has no arguments or keywords.

Defaults

This command is enabled.

Command Modes

Cisco Unity Express location configuration

Command History

Cisco Unity Express Release	Modification
2.0	This command was introduced.

Usage Guidelines

If spoken name sending is enabled, the recorded name of the originating subscriber is played as the first part of the received message.

Examples

The following example shows spoken name enabled for a location:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# voicemail spoken-name
```

Related Commands

Command	Description
show network detail location id	Displays configuration details for a network location.

voicemail vcard

To enable a network location to receive vCard information, use the **voicemail vcard** command in Cisco Unity Express location configuration mode. To disable receipt of vCard information, use the **no** form of this command.

voicemail vcard

no voicemail vcard

Syntax Description This command has no arguments or keywords.

Defaults The vCard information is sent.

Command Modes Cisco Unity Express location configuration

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

Usage Guidelines A remote subscriber's vCard information contains the subscriber's first name, last name, and extension. Cisco Unity Express uses the vCard information from incoming voice profile for Internet messaging (VPIM) messages and the recorded spoken name to populate and update a least recent used (LRU) cache with the remote subscriber information. (For more information about configuring the spoken name, see the networking chapter in the *Cisco Unity Express Voice-Mail and Auto-Attendant CLI Administrator Guide for 3.0 and Later*.)

When addressing a message to a remote subscriber, the local sender hears the spoken name as a confirmation of the intended recipient. The LRU cache is a source of the spoken name. The number of subscribers that the LRU cache stores depends on the hardware module installed. See the *Release Notes for Cisco Unity Express* for the maximum cached users supported.

Examples The following example enables receipt of vCard information to network locations 23 and nyc:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location 23
se-10-0-0-0(config-location)# voicemail vcard
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# network location nyc
se-10-0-0-0(config-location)# voicemail vcard
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit
```

The following example disables receipt of vCard information to network location nyc:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location nyc
se-10-0-0-0(config-location)# no voicemail vcard
```

```
se-10-0-0-0(config-location)# end
se-10-0-0-0(config)# exit
```

Related Commands

Command	Description
network location	Specifies a network ID for a remote site.
show network detail local	Displays the network details for the local system.
show network detail location id	Displays the network details for a specific location.

voicemail vpim-encoding (network location id)

To configure the encoding method used to transfer voice-mail messages from the Cisco Unity Express location to other locations, use the **voicemail vpim-encoding** command in Cisco Unity Express location configuration mode. To set the method of encoding to the default value, use the **no** form of this command.

voicemail vpim-encoding { **dynamic** | **G711ulaw** | **G726** }

no voicemail vpim-encoding

Syntax Description

dynamic	The Cisco Unity Express location negotiates with the remote location to determine the encoding method.
G711ulaw	Cisco Unity Express always sends messages as G711 mu-law .wav files.
G726	Cisco Unity Express always sends messages as G726 (32K ADPCM).

Defaults

dynamic

Command Modes

Cisco Unity Express location configuration

Command History

Cisco Unity Express Release	Modification
2.0	This command was introduced.

Usage Guidelines

Use G711 mu-law only if the receiving system supports G711 mu-law encoding (such as Cisco Unity). Use G726 for low-bandwidth connections or when the system to which Cisco Unity Express is connecting does not support G711 mu-law.

Examples

The following example shows voice profile for Internet messaging (VPIM) encoding set to G711 mu-law for network location 9:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# network location id 9
se-10-0-0-0(config-location)# voicemail vpim-encoding g711ulaw
```

Related Commands

Command	Description
show network detail location id	Displays configuration details for a network location.

voicemail zero-out restriction

To associate a restriction table with the zero out feature, use the **voicemail zero-out restriction** command in Cisco Unity Express configuration mode. Use the **no** form of this command to remove the association.

voicemail zero-out restriction *table-name*

no voicemail zero-out restriction *table-name*

Syntax Description	<i>table-name</i>	Restriction table with which the zero out feature is being associated.
---------------------------	-------------------	--

Command Default	There is no restriction table associated with the zero out feature.	
------------------------	---	--

Command Modes	Cisco Unity Express configuration	
----------------------	-----------------------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	7.1	This command was deprecated.

Usage Guidelines	This command is replaced by the voicemail conversation caller caller-flow restriction-table command in versions 7.1 and later.	
-------------------------	---	--

An error message appears when there is no restriction table. To create a restriction table, see the **restriction create** command. To configure a restriction table, see the “Related Commands” section.

Examples	The following example associates the restriction table called zero-out-restrict with the zero out feature:	
-----------------	--	--

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voicemail zero-out restriction zero-out-restrict
```

Related Commands	Command	Description
	restriction create	Creates a restriction table.
	restriction delete	Deletes a restriction table.
	restriction dial-string	Specifies the restricted number dial pattern.
	restriction max-digits	Specifies the maximum number of digits in a restricted number.
	restriction min-digits	Specifies the minimum number of digits in a restricted number.
	show voicemail conversation caller caller-flow restriction-table	Displays the name of the restriction table associated with the caller input feature, including the zero out option



W

Last Updated: January 31, 2011

[web admin cme hostname](#)
[web credentials hidden \(site\)](#)
[web session security](#)
[web skipinitwizard](#)
[web username password \(site\)](#)
[webapp delete–IVR Only](#)
[webapp deploy–IVR Only](#)
[webapp reload–IVR Only](#)
[webapp start–IVR Only](#)
[webapp stop–IVR Only](#)
[write](#)

web admin cme hostname

To configure the Web username and Web password of the local site, use the **web admin cme hostname** command in Cisco Unity Express EXEC mode.

web admin cme hostname *hostname* **username** *username* **password** *password*

Syntax Description	Parameter	Description
	<i>hostname</i>	Hostname of the local site to configure.
	<i>username</i>	New username for the local site
	<i>password</i>	New password for the local site

Defaults No Web username and Web password are configured for the local site.

Command Modes Cisco Unity Express EXEC

Command History	Cisco Unity Express Release	Modification
	3.2	This command now affects the configuration of the Web username and Web password of the local site.

Usage Guidelines This command now configures the Web username and Web password of the local site.

Examples The following example allows callers to access their voice mailbox from any phone configured for the mailbox owner without entering a PIN:

```
se-10-0-0-0# web admin cme hostname host1 username user1 password password1
```

Related Commands	Command	Description
	web username password (site)	Configures the Web username and Web password for a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site

web credentials hidden (site)

To configure the hidden Web credentials for the site, use the **web credentials hidden** command in Cisco Unity Express site-configuration mode.

web credentials hidden *username-password-hash*

Syntax Description	<i>username-password-hash</i> Encrypted credentials for the Web username and password for the site
---------------------------	--

Defaults	No hidden Web credentials are configured for the site.
-----------------	--

Command Modes	Cisco Unity Express site-configuration
----------------------	--

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

Examples	<p>The following example configures the Web hidden credentials for site4:</p> <pre>se-10-0-0-0# config t se-10-0-0-0(config)# site name site4 se-10-0-0-0 (site)# web hidden credentials "GixGRq8cUmGIZDg9c8oX9EnfGWTYHfmPSd8ZZNgd+ Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP" se-10-0-0-0 (site)# exit</pre>
-----------------	---

Related Commands	Command	Description
	description (site)	Configures a description for a specific site.
	site name	Creates a site.
	web username password (site)	Configures the Web username and Web password for a site.
	xml username password (site)	Configures the XML username and password for a site.
	xml credentials hidden (site)	Configures the XML hidden credentials for a site

web session security

To associate a security key for accessing the Cisco Unity Express GUI using HTTPS, use the **web session security** command in Cisco Unity Express configuration mode. To disable HTTPS access to the Cisco Unity Express GUI session, use the **no** or **default** form of this command.

web session security *keylabel labelname*

no web session security *keylabel labelname*

default web session security

Syntax Description

keylabel <i>labelname</i>	Associates the certificate-key pair to the HTTPS connection.
----------------------------------	--

Defaults

The default value is none.

Command Modes

Cisco Unity Express configuration

Command History

Cisco Unity Express Version	Modification
3.2	This command was introduced.

Usage Guidelines

Before configuring the connection type, the system must have a default security certificate and private key. Use the [crypto key generate](#) command to generate the pair of values.

Once the crypto key is generated and associated with HTTPS, you use the **web session security** command to enable HTTPS access to the Cisco Unity Express GUI.

Examples

The following example generates a crypto key, and then associates it to HTTPS to enable HTTPS access to the Cisco Unity Express GUI:

```
se-10-0-0-0#config t
se-10-0-0-0(config)# crypto key generate
Key generation in progress. Please wait
The label name for the key is mainkey.ourcompany
se-10-0-0-0(config)# web session security keylabel mainkey.ourcompany
```

The following example disables HTTPS on the session:

```
se-10-0-0-0(config)# no web session security keylabel mainkey.ourcompany
```

Related Commands

Command	Description
crypto key generate	Generates a certificate-private key pair.
show web session security	Displays the HTTPS security key label.

web skipinitwizard

To disable the initialization wizard during the Cisco Unity Express installation process, use the **web skipinitwizard** command in Cisco Unity Express EXEC mode.

web skipinitwizard

Syntax Description This command has no arguments or keywords.

Command Modes Cisco Unity Express EXEC

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

Usage Guidelines This command turns off the initialization wizard. You cannot turn on or return to the initialization wizard unless you reimage the Cisco Unity Express module.

Use this command after installing the Cisco Unity Express software files and before starting the configuration process.

Turning off the initialization wizard allows you to configure Cisco Unity Express using only CLI commands, for example, if you want to run configuration scripts.

See the [Cisco Unity Express 2.3 GUI Administrator Guide](#) for the configuration tasks covered by the initialization wizard.

Examples The following example turns off the initialization wizard:

```
se-10-0-0-0# web skipinitwizard
se-10-0-0-0#
```

web username password (site)

To configure the Web username and Web password for the site, use the **web username password** command in Cisco Unity Express site-configuration mode.

web username *username* **password** *password*

Syntax	Description
<i>username</i>	Web username for the site
<i>password</i>	Web password for the site

Defaults No Web username and Web password are configured for the site.

Command Modes Cisco Unity Express site-configuration

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

Examples The following example sets the Web username and password for site1 to user1 and password1:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# site name site1
se-10-0-0-0 (site)# web username user1 password password1
se-10-0-0-0 (site)# exit
```

Related Commands	Command	Description
	description (site)	Configures a description for a specific site.
	site name	Creates a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site
	xml username password (site)	Configures the XML username and password for a site.
	xml credentials hidden (site)	Configures the XML hidden credentials for a site

webapp delete–IVR Only

Use the **webapp delete** command in Cisco Unity Express IVR privileged EXEC mode to remove the specified web application from the Cisco Unity Express module.

webapp delete *webappname name*

Syntax Description	<p>webappname <i>name</i></p> <p>Name of the web application used to generate the:</p> <ul style="list-style-type: none"> Name of the web application subdirectory that hosts the application files. URL path matched against incoming URLs to access this web application. <p>Name must be 8 characters or less in length.</p>				
Command Default	No web application is configured.				
Command Modes	Cisco Unity Express IVR privileged EXEC				
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	3.0	This command was introduced.
Cisco Unity Express Version	Modification				
3.0	This command was introduced.				
Usage Guidelines	This command deletes all the resources of the web application from the Cisco Unity Express module.				
Examples	<p>The following example deletes all the resources of the web application <i>myapp</i> from the Cisco Unity Express module:</p> <pre>se-10-0-0-0# webapp delete webappname myapp</pre>				
Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>show webapp–IVR Only</td> <td>Displays the Cisco Unity Express IVR web application status.</td> </tr> </tbody> </table>	Command	Description	show webapp–IVR Only	Displays the Cisco Unity Express IVR web application status.
Command	Description				
show webapp–IVR Only	Displays the Cisco Unity Express IVR web application status.				

webapp deploy-IVR Only

Use the **webapp deploy** command associated with your web applications to upload and start the web application in Cisco Unity Express IVR privileged EXEC mode.

The **webapp deploy** command uploads and starts the web application archive (WAR) file to the Cisco Unity Express system.

```
webapp deploy url war-url webappname name [allow-network-connect | username userid
[password password [allow-network-connect]]]
```

Syntax Description		
url <i>war-url</i>		Installs and starts a web application using the name of the application and the URL of the WAR file to be uploaded.
webappname <i>name</i>		Name of the web application used to generate the: <ul style="list-style-type: none"> Name of the web application subdirectory that hosts the application files. URL path matched against incoming URLs to access this web application. Name must be 8 characters or less in length.
allow-network-connect		(Optional) Allows the specified web application to use the network connections.
username <i>userid</i>		(Optional) Username for authenticating connection to the network, if required.
password <i>password</i>		(Optional) Password for authenticating connection to the network, if required.

Command Default No web application is configured.

Command Modes Cisco Unity Express IVR privileged EXEC

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.

Usage Guidelines The Cisco Unity Express IVR feature allows you to deploy your VoiceXML scripts, which represent the static content of the Cisco Unity Express IVR application, and JSP and Java files, which generate the dynamic content of the Cisco Unity Express IVR application. Cisco Unity Express IVR applications are packaged using the WAR file format, which contain VoiceXML and compiled versions of the JSP and Java files, including their property and configuration files.

Before a web application is deployed, prompts must be loaded onto the Cisco Unity Express system by using the following command:

```
ccn copy url xxx://xxx/xxx.wav prompt xxx.wav language xx_YY
```

Databases to be used by the web application must be first configured. Also, fax or e-mail resources used by the application must be configured. The WAR file must be located in a directory that can be accessed by using FTP, TFTP, or SFTP.

After the web application is defined, one or more triggers can be defined to trigger operation of the application. For details on defining the web application, see the *Cisco Unity Express 3.0 Interactive Voice Response CLI Administrator Guide*.

Examples

The following example uploads the web application *myapp* file using the username and password options to authenticate a network connection:

```
se-10-0-0-0# webapp deploy url ftp://10.0.0.1/hr.war webappname myapp username tbdonald  
password ***** allow-network-connect
```

Related Commands

Command	Description
show webapp-IVR Only	Displays the Cisco Unity Express IVR web application status.

webapp reload–IVR Only

Use the **webapp reload** command to reload the specified web application in Cisco Unity Express IVR privileged EXEC mode.

webapp reload *webappname name*

Syntax Description

webappname <i>name</i>	Name of the web application used to generate the: <ul style="list-style-type: none"> Name of the web application subdirectory that hosts the application files. URL path matched against incoming URLs to access this web application. Name must be 8 characters or less in length.
-------------------------------	---

Command Default

No web application is configured.

Command Modes

Cisco Unity Express IVR privileged EXEC

Command History

Cisco Unity Express Version	Modification
3.0	This command was introduced.

Usage Guidelines

This command is equivalent to the **webapp stop** command immediately followed by the **webapp start** command, and is used to reload misbehaving web applications, and its status becomes *running*.

Examples

The following example reloads the web application *myapp*:

```
se-10-0-0-0# webapp reload webappname myapp
```

Related Commands

Command	Description
show webapp–IVR Only	Displays the Cisco Unity Express IVR web application status.

webapp start–IVR Only

Use the **webapp start** command to start the specified web application in Cisco Unity Express IVR privileged EXEC mode.

webapp start *webappname name*

Syntax Description	<p>webappname <i>name</i></p> <p>Name of the web application used to generate the:</p> <ul style="list-style-type: none"> Name of the web application subdirectory that hosts the application files. URL path matched against incoming URLs to access this web application. <p>Name must be 8 characters or less in length.</p>				
Command Default	No web application is configured.				
Command Modes	Cisco Unity Express IVR privileged EXEC				
Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	3.0	This command was introduced.
Cisco Unity Express Version	Modification				
3.0	This command was introduced.				
Usage Guidelines	The webapp deploy command actually uploads and starts the web application, so the webapp start command is only used to restart the web application after it is stopped.				
Examples	<p>The following example starts the web application <i>myapp</i>:</p> <pre>se-10-0-0-0# webapp start webappname myapp</pre>				
Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>show webapp–IVR Only</td> <td>Displays the Cisco Unity Express IVR web application status.</td> </tr> </tbody> </table>	Command	Description	show webapp–IVR Only	Displays the Cisco Unity Express IVR web application status.
Command	Description				
show webapp–IVR Only	Displays the Cisco Unity Express IVR web application status.				

webapp stop—IVR Only

Use the **webapp stop** command to stop the specified web application in Cisco Unity Express IVR privileged EXEC mode.

webapp stop *webappname name*

Syntax Description	<p>webappname <i>name</i></p> <p>Name of the web application used to generate the:</p> <ul style="list-style-type: none"> • Name of the web application subdirectory that hosts the application files. • URL path matched against incoming URLs to access this web application. <p>Name must be 8 characters or less in length.</p>
---------------------------	--

Command Default	No web application is configured.
------------------------	-----------------------------------

Command Modes	Cisco Unity Express IVR privileged EXEC
----------------------	---

Command History	<table border="1"> <thead> <tr> <th>Cisco Unity Express Version</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.0</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Cisco Unity Express Version	Modification	3.0	This command was introduced.
Cisco Unity Express Version	Modification				
3.0	This command was introduced.				

Examples	<p>The following example stops the web application <i>myapp</i>:</p>
-----------------	--

```
se-10-0-0-0# webapp stop webappname myapp
```

Related Commands	<table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>show webapp—IVR Only</td> <td>Displays the Cisco Unity Express IVR web application status.</td> </tr> </tbody> </table>	Command	Description	show webapp—IVR Only	Displays the Cisco Unity Express IVR web application status.
Command	Description				
show webapp—IVR Only	Displays the Cisco Unity Express IVR web application status.				

write

To erase, copy, or display the running configuration, use the **write** command in Cisco Unity Express EXEC mode.

write [**erase** | **memory** | **terminal**]

Syntax Description

erase	(Optional) Erases the running configuration.
memory	(Optional) Writes the running configuration to the startup configuration. This is the default.
terminal	(Optional) Displays the running configuration.

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 the **write** or **write memory** command as a shortcut for the **copy running-config startup-config** command.

Related Commands

Command	Description
erase startup-config	Deletes the current startup configuration.



X

Last Updated: April 14, 2008

[xml credentials hidden \(site\)](#)

[xml username password \(site\)](#)

xml credentials hidden (site)

To configure the hidden XML credentials for the site, use the **xml credentials hidden** command in Cisco Unity Express site-configuration mode.

xml credentials hidden *username-password-hash*

Syntax Description	<i>username-password-hash</i> Encrypted XML credentials for the username and password for the site.
---------------------------	---

Defaults	No hidden XML credentials are configured for the site.
-----------------	--

Command Modes	Cisco Unity Express site-configuration
----------------------	--

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

Examples The following example configures the XML hidden credentials for site4:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# site name site1
se-10-0-0-0 (site)# xml credentials hidden "GlxGRq8cUmFqrOHVxftjAknfGWTYHfmPSd8ZZNgd+
Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP"
se-10-0-0-0 (site)# exit
```

Related Commands	Command	Description
	description (site)	Configures a description for a specific site.
	site name	Creates a site.
	web username password (site)	Configures the Web username and Web password for a site.
	web credentials hidden (site)	Configures the Web hidden credentials for a site
	xml username password (site)	Configures the XML username and password for a site.

xml username password (site)

To configure the XML username and password for the site, use the **xml username password** command in Cisco Unity Express site-configuration mode.

```
xml username username password password
```

Syntax Description

<i>username</i>	XML username for the site
<i>password</i>	XML password for the site

Defaults

No XML username and password are configured for the site.

Command Modes

Cisco Unity Express site-configuration

Command History

Cisco Unity Express Release	Modification
3.2	This command was introduced.

Examples

The following example sets the XML username and password for site1 to user1 and password1:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# site name site1
se-10-0-0-0 (site)# xml username user1 password password1
se-10-0-0-0 (site)# exit
```

Related Commands

Command	Description
description (site)	Configures a description for a specific site.
site name	Creates a site.
web username password (site)	Configures the Web username and Web password for a site.
web credentials hidden (site)	Configures the Web hidden credentials for a site
xml credentials hidden (site)	Configures the XML hidden credentials for a site



Z

Last Updated: August 03, 2008

[zerooutnumber](#)

zerooutnumber

To specify the zero out number for a mailbox, use the **zerooutnumber** command in Cisco Unity Express mailbox configuration mode. Use the **no** or **default** form of this command to remove the configuration of the execution timeout.

zerooutnumber *E164Phone*

nozerooutnumber *E164Phone*

Syntax Description	<i>E164Phone</i>	Specifies the E164 phone number that a caller is forwarded to when they dial zero.
---------------------------	------------------	--

Command Default	none.
------------------------	-------

Command Modes	Cisco Unity Express mailbox configuration (config-mailbox)
----------------------	--

Command History	Cisco Unity Express Version	Modification
	3.0	This command was introduced.
	7.1	This command was deprecated.

Usage Guidelines	This command is deprecated in releases 7.1 and later, and is replaced by the caller-flow caller-input command.
-------------------------	--

Examples The following example sets the zero out number to 555-0100:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# voice mailbox owner user8
se-10-0-0-0(config-mailbox)# zerooutnumber 5550100
```

Related Commands	Command	Description
	voice mailbox owner	Enters mailbox configuration submode.
	show voicemail	Shows the properties of the voice-mail system



INDEX

Symbols

? command [22](#)

A

abbreviation command [31](#)
Administration via Telephone [199](#)
administrative privilege [199](#)
application (ccn trigger http) command [36](#)
AvT [199](#)

B

backup categories command [44](#)
backup category command [45](#)
backup command [42](#)
backup notification command [47](#)
backup schedule command [48](#)
backup schedule disable all command [50](#)
backup security command [52](#)
backup security enforced command [51](#)
backup security protected [53](#)
backup server authenticate command [54](#)
banner login command [55](#)
broadcast privilege [199](#)

C

calendar biz-schedule command [59](#)
calendar holiday command [61](#)
call-agent command [64](#)
caller-flow caller-input command [66](#)

calling-number-rule prepend digits command [68](#)
ccm-manager address command [69](#)
ccm-manager credentials command [71](#)
ccm-manager username command [72](#)
ccn application command [74](#)
ccn call terminate command [75](#)
ccn copy document command [76](#)
ccn copy prompt command [78](#)
ccn copy script command [79](#)
ccn copy url command [80,82](#)
ccn delete command [84](#)
ccn delete document command [86](#)
ccn engine command [87](#)
ccn reporting historical command [89](#)
ccn subsystem edbs dbprofile command [90](#)
ccn subsystem email command [91](#)
ccn subsystem fax command [92](#)
ccn subsystem jtapi command [93](#)
ccn subsystem sip command [94](#)
ccn trigger http urlname command [95](#)
ccn trigger jtapi phonenummer command [97](#)
ccn trigger sip phonenummer command [100](#)
Cisco IOS configuration changes, saving [22](#)
clock timezone command [102](#)
closed day command [104](#)
command
 abbreviation [31](#)
 application (ccn trigger http) [36](#)
 backup [42](#)
 backup categories [44](#)
 backup category [45](#)
 backup notification [47](#)
 backup schedule [48](#)

- backup schedule disable all [50](#)
- backup security enforced [51](#)
- backup security key [52](#)
- backup security protected [53](#)
- backup server authenticate [54](#)
- banner login [55](#)
- calendar biz-schedule [59](#)
- calendar holiday [61](#)
- call-agent [64](#)
- caller-flow caller-input [66](#)
- calling-number-rule prepend-digits [68](#)
- ccm-manager address [69](#)
- ccm-manager credentials [71](#)
- ccm-manager username [72](#)
- ccn application [74](#)
- ccn call terminate [75](#)
- ccn copy document [76](#)
- ccn copy prompt [78](#)
- ccn copy script [79](#)
- ccn copy url [80, 82](#)
- ccn delete [84](#)
- ccn delete document [86](#)
- ccn engine [87](#)
- ccn reporting historical [89](#)
- ccn subsystem edbs dbprofile [90](#)
- ccn subsystem email [91](#)
- ccn subsystem fax [92](#)
- ccn subsystem jtapi [93](#)
- ccn subsystem sip [94](#)
- ccn trigger http urlname [95](#)
- ccn trigger jtapi phonenumber [97](#)
- ccn trigger sip phonenumber [100](#)
- clock timezone [102](#)
- closed day [104](#)
- commands (kron-schedule) [106](#)
- continue [109](#)
- copy ftp [110](#)
- copy hrdb [112](#)
- copy ldap [113](#)
- copy log [114](#)
- copy running-config [116](#)
- copy startup-config [118](#)
- copy tftp [120](#)
- copy url [122](#)
- credentials (ccn subsystem edbs dbprofile) [123](#)
- ctiport [131](#)
- database (ccn reporting historical) [135](#)
- db-hostname (ccn subsystem edbs dbprofile) [136](#)
- dbname (ccn subsystem edbs dbprofile) [137](#)
- db-password (ccn subsystem edbs dbprofile) [138](#)
- db-port (ccn subsystem edbs dbprofile) [139](#)
- dbtype (ccn subsystem edbs dbprofile) [140](#)
- db-username (ccn subsystem edbs dbprofile) [141](#)
- default (ccn application) [142](#)
- default (ccn engine) [144](#)
- default (ccn reporting historical) [145](#)
- default (ccn subsystem edbs dbprofile) [146](#)
- default (ccn subsystem fax) [148](#)
- default (ccn trigger http) [149](#)
- default (ccn trigger jtapi) [150](#)
- default (ccn trigger sip) [151](#)
- default ccm-manager (ccn subsystem jtapi) [152](#)
- default ctiport (ccn subsystem jtapi) [153](#)
- default-from (ccn subsystem fax) [157](#)
- default gateway (ccn subsystem sip) [154](#)
- description (ccn application) [158](#)
- description (ccn reporting historical) [160](#)
- description (kron-schedule) [161](#)
- description (site) [162](#)
- descriptionv(backup-schedule) [159](#)
- disabled (backup-schedule) [163, 164](#)
- email domain (network location id) [170](#)
- enable [173](#)
- enable (ccn reporting historical) [177](#)
- enable (ccn subsystem edbs dbprofile) [178](#)
- enable (ccn trigger http urlname) [179](#)
- enabled (ccn application) [176](#)
- enabled (ccn trigger jtapi) [180](#)

- enabled (ccn trigger sip) [181](#)
- erase startup-config [182](#)
- fallback-url [186](#)
- gateway address (ccn subsystem sip) [194](#)
- gateway port (ccn subsystem sip) [195](#)
- greeting [196](#)
- groupname [198](#)
- groupname (for historical statistics reports) [203](#)
- groupname profile cell-phone [204](#)
- groupname profile email [207](#)
- groupname profile num-pager [210](#)
- groupname profile text-pager [213](#)
- hostname [218](#)
- idletimeout (ccn trigger http urlname) [222](#)
- idletimeout (ccn trigger jtapi) [34](#), [223](#), [711](#)
- idletimeout (ccn trigger sip) [224](#)
- ip domain-name [227](#)
- ip name-server [228](#)
- kron schedule [230](#)
- license activate ivr sessions [233](#)
- license activate ports [234](#)
- license activate timecardview users [235](#)
- license activate voicemail mailboxes [236](#)
- license agent default authenticate [238](#)
- license agent listener http [239](#)
- license agent max-sessions [241](#)
- license agent notify [242](#)
- license clear [244](#)
- license comment [245](#)
- license permanent [519](#)
- line console [253](#)
- list name [254](#)
- list number delete [257](#)
- list number description [258](#)
- list number member [259](#)
- list number owner [261](#)
- locale (ccn trigger http urlname) [263](#)
- locale (ccn trigger jtapi) [264](#)
- locale (ccn trigger sip) [265](#)
- log console [266](#)
- log console monitor [268](#)
- login pinless [277](#)
- log server [270](#)
- log trace boot [272](#)
- log trace buffer save [273](#)
- maxactive (ccn subsystem edbs dbprofile) [280](#)
- maxsessions (ccn application) [281](#), [285](#)
- maxsessions (ccn trigger http urlname) [282](#)
- maxsessions (ccn trigger jtapi) [283](#)
- maxsessions (ccn trigger sip) [284](#)
- maxsteps (ccn engine) [287](#)
- mwi envelope-info [293](#)
- mwi refresh [294](#)
- mwi sip [295](#)
- name (network location id) [300](#)
- network copy spokenname [301](#)
- network location [302](#)
- ntp server [316](#)
- offline [320](#)
- open day [321](#)
- parameter (ccn application) [324](#)
- parameter (ccn subsystem edbs dbprofile) [326](#)
- purge notification (ccn reporting historical) [328](#)
- purge now (ccn reporting historical) [329](#)
- purge purge-capacity (ccn reporting historical) [330](#)
- purge schedule (ccn reporting historical) [331](#)
- purge warning-capacity (ccn reporting historical) [333](#)
- reload [339](#)
- remote cache enable [340](#)
- remote copy spokenname [342](#)
- remote username fullname [343](#)
- remote username location [345](#)
- remote username phonenumber [347](#)
- repeat daily (backup-schedule) [349](#)
- repeat daily (kron-schedule) [350](#)
- repeat every (backup-schedule) [351](#)
- repeat every (kron-schedule) [353](#)
- repeat monthly (backup-schedule) [355](#)

- repeat monthly (kron-schedule) [356](#)
- repeat once (backup-schedule) [357](#)
- repeat once (kron-schedule) [358](#)
- repeat weekly (backup-schedule) [359](#)
- repeat weekly (kron-schedule) [360](#)
- repeat yearly (backup-schedule) [361](#)
- repeat yearly (kron-schedule) [362](#)
- restore [363](#)
- restore factory default [365](#)
- restriction msg-notification dial-string [369](#)
- restriction msg-notification max-digits [371](#)
- restriction msg-notification min-digits [372](#)
- script (ccn application) [377](#)
- secure-messaging incoming (mailbox) [378](#)
- secure-messaging outgoing (mailbox) [379](#)
- security password [381](#)
- security pin [392, 403](#)
- service imap [407](#)
- service-module [21](#)
- service phone-authentication [408](#)
- service voiceview [410](#)
- service voiceview session terminate [412](#)
- session [21](#)
- session idletimeout (IMAP) [414](#)
- session idletimeout (VoiceView Express) [416](#)
- session security [418](#)
- show backup [425](#)
- show backup history [427](#)
- show backup schedules [432](#)
- show backup server [433](#)
- show calendar biz-schedule [435](#)
- show calendar holiday [437](#)
- show call-agent [439](#)
- show ccn application [440](#)
- show ccn call application [442](#)
- show ccn call fax incoming [446](#)
- show ccn call route [447](#)
- show ccn document [451](#)
- show ccn engine [454](#)
- show ccn prompts [455](#)
- show ccn reporting [457](#)
- show ccn scripts [459](#)
- show ccn sip subscription mwi [461](#)
- show ccn status ccm-manager [462](#)
- show ccn subsystem edbs dbprofile [463](#)
- show ccn subsystem email [465](#)
- show ccn subsystem fax [466](#)
- show ccn subsystem jtapi [467](#)
- show ccn subsystem sip [469](#)
- show ccn trigger [471, 473, 475, 477](#)
- show clock detail [481](#)
- show crypto key [483](#)
- show group detail groupname [487](#)
- show group profiles [489](#)
- show groups [490](#)
- show groups privileges [491](#)
- show hosts [492](#)
- show imap configuration [493](#)
- show imap sessions [495](#)
- show interface ide [497](#)
- show ip route [498](#)
- show kron schedule detail job [501](#)
- show kron schedules [500](#)
- show license all [503](#)
- show license detail [505](#)
- show license evaluation [508](#)
- show license expiring [510](#)
- show license file [514](#)
- show license in-use [517](#)
- show license permanent [519](#)
- show license statistics [520](#)
 - show license statistics command [520](#)
- show license status [522](#)
- show license status application [524](#)
- show license udi [526](#)
- show lists detail private [527](#)
- show lists detail public [529](#)
- show lists owner [531](#)

- show lists public [532](#)
- show log [534](#)
- show logging [537](#)
- show logs [539](#)
- show memory [540](#)
- show network detail local [544](#)
- show network detail location id [546](#)
- show network locations [548, 549, 550](#)
- show network queues [551](#)
- show ntp associations [554](#)
- show ntp servers [562](#)
- show ntp source [564](#)
- show ntp status [567](#)
- show phone-authentication configuration [573](#)
- show process [577](#)
- show remote cache [580](#)
- show remote user detail [581](#)
- show remote users [582](#)
- show restore history [586](#)
- show running-config [590](#)
- show schedule detail job [595](#)
- show schedules [594](#)
- show security detail [596](#)
- show site [599](#)
- show smtp server [601](#)
- show software [604](#)
- show software directory [606](#)
- show startup-config [608](#)
- show trace buffer [612](#)
- show trace store [614](#)
- show trace store-prev [616](#)
- show user detail username [618](#)
- show user profiles [620](#)
- show users [621](#)
- show version [623](#)
- show voicemail [625](#)
- show voicemail broadcast messages [633](#)
- show voicemail conversation caller caller-flow restriction-table [639](#)
- show voicemail messages future [649](#)
- show voicemail notification [655](#)
- show voicemail notification owner [658, 664](#)
- show voicemail notification restriction-table [664](#)
- show voiceview configuration [667](#)
- show voiceview sessions [669](#)
- show webapp [672](#)
- show web session security [671](#)
- shutdown [673](#)
- site name [675](#)
- smtp server address [676](#)
- smtp server security [678](#)
- snmp-server community command [603](#)
- software download abort [687](#)
- software download clean [688](#)
- software download server [690](#)
- software download status [691](#)
- software download upgrade [692](#)
- software install clean [694](#)
- software install downgrade [697](#)
- software install upgrade [699](#)
- software remove [700](#)
- start-date (backup-schedule) [701](#)
- start-date (kron-job) [702](#)
- stop-date (backup-schedule) [703](#)
- stop-date (kron-schedule) [704](#)
- system language preferred [705](#)
- telnet [21](#)
- trace networking all [714](#)
- trace networking database [715](#)
- trace networking dns [716](#)
- trace networking jobqueue [717](#)
- trace networking smtp [718](#)
- trace networking sysdb [719](#)
- trace networking vpim [720](#)
- transfer-mode [723](#)
- username [726](#)
- username profile cell-phone [734](#)
- username profile email [737](#)

- username profile num-pager [740](#)
 - username profile text-pager [743](#)
 - voice mailbox copy owner [749](#)
 - voice mailbox delete owner [750](#)
 - voice mailbox owner [751](#)
 - voicemail broadcast message [755](#)
 - voicemail broadcast message delete [756](#)
 - voicemail broadcast mwi [757](#)
 - voicemail broadcast recording time [758](#)
 - voicemail broadcast vpim-id [760](#)
 - voicemail callerid [761](#)
 - voicemail capacity time [763](#)
 - voicemail conversation caller caller-flow restriction-table [766](#)
 - voicemail default [773](#)
 - voicemail default biz-schedule [775](#)
 - voicemail default broadcast expiration time [776](#)
 - voicemail extension-length [777](#)
 - voicemail message future delete [790](#)
 - voicemail notification allow-login [792](#)
 - voicemail notification connect-timeout [795](#)
 - voicemail notification email attach [797](#)
 - voicemail notification enable [799](#)
 - voicemail notification owner [801](#)
 - voicemail notification preference [803](#)
 - voicemail notification text prefix [805](#)
 - voicemail notification text suffix [807](#)
 - voicemail operator telephone [809](#)
 - voicemail phone-prefix [810](#)
 - voicemail recording time [811](#)
 - voicemail secure-messaging (location) [814](#)
 - voicemail secure-messaging outgoing [812](#)
 - voicemail spoken-name (network location id) [815](#)
 - voicemail vcard [816](#)
 - voicemail vpim-encoding [818](#)
 - voicemail zero-out restriction [819](#)
 - web admin cme hostname [822](#)
 - webapp delete [827](#)
 - webapp deploy [828](#)
 - webapp reload [830](#)
 - webapp start [831](#)
 - webapp stop [832](#)
 - web credentials hidden (site) [823](#)
 - web session security [824](#)
 - web username password (site) [826](#)
 - write [833](#)
 - xml credentials hidden (site) [836](#)
 - xml username password (site) [837](#)
 - zeroutnumber [840](#)
 - command environment [21](#)
 - command modes, understanding [19 to 20](#)
 - commands
 - context-sensitive help for abbreviating [22](#)
 - default form, using [22](#)
 - no form, using [22](#)
 - commands (kron-schedule) command [106](#)
 - configurations, saving [22](#)
 - continue command [109](#)
 - copy ftp command [110](#)
 - copy hrdb command [112](#)
 - copy ldap command [113](#)
 - copy log command [114](#)
 - copy running-config command [116](#)
 - copy startup-config command [118](#)
 - copy tftp command [120](#)
 - copy url command [122](#)
 - credentials (ccn subsystem edbs dbprofile) command [123](#)
 - ctiport command [131](#)
-
- ## D
- database (ccn reporting historical) command [135](#)
 - db-hostname (ccn subsystem edbs dbprofile) command [136](#)
 - dbname (ccn subsystem edbs dbprofile) command [137](#)
 - db-password (ccn subsystem edbs dbprofile) command [138](#)
 - db-port (ccn subsystem edbs dbprofile) command [139](#)

dbtype (ccn subsystem edbs dbprofile) command [140](#)
 db-username (ccn subsystem edbs dbprofile) command [141](#)
 default (ccn application) command [142](#)
 default (ccn engine) command [144](#)
 default (ccn reporting historical) command [145](#)
 default (ccn subsystem edbs dbprofile) command [146](#)
 default (ccn subsystem fax) command [148](#)
 default (ccn trigger http) command [149](#)
 default (ccn trigger jtapi) command [150](#)
 default (ccn trigger sip) command [151](#)
 default ccm-manager (ccn subsystem jtapi) command [152](#)
 default ctiport (ccn subsystem jtapi) command [153](#)
 default-from (ccn subsystem fax) command [157](#)
 default gateway (ccn subsystem sip) command [154](#)
 description (backup-schedule) command [159](#)
 description (ccn application) command [158](#)
 description (ccn reporting historical) command [160](#)
 description (kron-schedule) command [161](#)
 description (site) command [162](#)
 differences

- passwords [726](#)
- user IDs [726](#)

 disabled (backup-schedule) command [163, 164](#)

E

email domain (network location id) command [170](#)
 enable (ccn reporting historical) command [177](#)
 enable (ccn subsystem edbs dbprofile) command [178](#)
 enable (ccn trigger http urlname) command [179](#)
 enable command [173](#)
 enabled (ccn application) command [176](#)
 enabled (ccn trigger jtapi) command [180](#)
 enabled (ccn trigger sip) command [181](#)
 erase startup-config command [182](#)

F

fallback-url command [186](#)
 Feature Navigator
 See platforms, supported

G

gateway address (ccn subsystem sip) command [194](#)
 gateway port (ccn subsystem sip) command [195](#)
 greeting command [196](#)
 groupname (for historical statistics reports) command [203](#)
 groupname command [198](#)
 groupname profile cell-phone command [204](#)
 groupname profile email command [207](#)
 groupname profile text-pager command [213](#)
 groupname profile num-pager command [210](#)

H

hardware platforms
 See platforms, supported
 help command [22](#)
 hostname command [218](#)

I

icense agent max-sessions command [241](#)
 idletimeout (ccn trigger http urlname) command [222](#)
 idletimeout (ccn trigger jtapi) command [34, 223, 711](#)
 idletimeout (ccn trigger sip) command [224](#)
 ip domain-name command [227](#)
 ip name-server command [228](#)

K

kron schedule command [230](#)

L

license activate ivr sessions command [233](#)
 license activate ports command [234](#)
 license activate timecardview users command [235](#)
 license activate voicemail mailboxes command [236](#)
 license agent default authenticate command [238](#)
 license agent listener http command [239](#)
 license agent notify command [242](#)
 license clear command [244](#)
 license comment command [245](#)
 line console command [253](#)
 list name command [254](#)
 list number delete command [257](#)
 list number description command [258](#)
 list number member command [259](#)
 list number owner command [261](#)
 locale (ccn trigger http urlname) command [263](#)
 locale (ccn trigger jtapi) command [264](#)
 locale (ccn trigger sip) command [265](#)
 log console command [266](#)
 log console monitor command [268](#)
 login pinless command [277](#)
 log server command [270](#)
 log trace boot command [272](#)
 log trace buffer save command [273](#)

M

ManagePrompts privilege [199](#)
 ManagePublicList privilege [199](#)
 maxactive (ccn subsystem edbs dbprofile) command [280](#)
 maxsessions (ccn application) command [281, 285](#)
 maxsessions (ccn trigger http urlname) command [282](#)
 maxsessions (ccn trigger jtapi) command [283](#)
 maxsessions (ccn trigger sip) command [284](#)
 maxsteps (ccn engine) command [287](#)
 modes
 See command modes

mwi envelope-info command [293](#)
 mwi refresh command [294](#)
 mwi sip command [295](#)

N

name (network location id) command [300](#)
 network copy spokenname command [301](#)
 network location command [302](#)
 notification security login password command [306](#)
 notification security login user command [308](#)
 notification security pin password command [310](#)
 notification security pin reset command [312](#)
 notification security pin uid command [314](#)
 ntp server command [316](#)

O

offline command [320](#)
 open day command [321](#)

P

parameter (ccn application) command [324](#)
 parameter (ccn subsystem edbs dbprofile) command [326](#)
 passwords, characters allowed [726](#)
 platforms, supported
 Feature Navigator, identify using [23](#)
 privilege
 administrative [199](#)
 broadcast [199](#)
 ManagePrompts [199](#)
 ManagePublicList [199](#)
 superuser [199](#)
 ViewPrivateList [199](#)
 prompts, system [20](#)
 purge notification (ccn reporting historical) command [328](#)
 purge now (ccn reporting historical) command [329](#)

purge purge-capacity (ccn reporting historical) command [330](#)
 purge schedule (ccn reporting historical) command [331](#)
 purge warning-capacity (ccn reporting historical) command [333](#)

Q

question mark (?) command [22](#)

R

reload command [339](#)
 remote cache enable command [340](#)
 remote copy spokenname command [342](#)
 remote username fullname command [343](#)
 remote username location command [345](#)
 remote username phonenumber command [347](#)
 repeat daily (backup-schedule) command [349](#)
 repeat daily (kron-schedule) command [350](#)
 repeat every (backup-schedule) command [351](#)
 repeat every (kron-schedule) command [353](#)
 repeat monthly (backup-schedule) command [355](#)
 repeat monthly (kron-schedule) command [356](#)
 repeat once (backup-schedule) command [357](#)
 repeat once (kron-schedule) command [358](#)
 repeat weekly (backup-schedule) command [359](#)
 repeat weekly (kron-schedule) command [360](#)
 repeat yearly (backup-schedule) command [361](#)
 repeat yearly (kron-schedule) command [362](#)
 restore command [363](#)
 restore factory default command [365](#)
 restriction msg-notification dial-string command [369](#)
 restriction msg-notification max-digits command [371](#)
 restriction msg-notification min-digits command [372](#)

S

script (ccn application) command [377](#)

secure-messaging incoming (mailbox) command [378](#)
 secure-messaging outgoing (mailbox) command [379](#)
 security password command [381](#)
 security pin command [392, 403](#)
 service imap command [407](#)
 service-module command [21](#)
 service phone-authentication command [408](#)
 service voiceview command [410](#)
 service voiceview session terminate command [412](#)
 session command [21](#)
 session idletimeout (VoiceView Express) command [416](#)
 session idletimout (IMAP) command [414](#)
 session security command [418](#)
 show backup command [425](#)
 show backup history command [427](#)
 show backup schedules command [432](#)
 show backup server command [433](#)
 show calendar biz-schedule command [435](#)
 show calendar holiday command [437](#)
 show call-agent command [439](#)
 show ccn application command [440](#)
 show ccn call application command [442](#)
 show ccn call fax incoming command [446](#)
 show ccn call route command [447](#)
 show ccn document command [451](#)
 show ccn engine command [454](#)
 show ccn prompts command [455](#)
 show ccn reporting command [457](#)
 show ccn scripts command [459](#)
 show ccn sip subscription mwi command [461](#)
 show ccn status ccm-manager command [462](#)
 show ccn subsystem edbs dbprofile command [463](#)
 show ccn subsystem email command [465](#)
 show ccn subsystem fax command [466](#)
 show ccn subsystem jtapi command [467](#)
 show ccn subsystem sip command [469](#)
 show ccn trigger command [471, 473, 475, 477](#)
 show clock detail command [481](#)
 show crypto key command [483](#)

- show group detail groupname command 487
- show group profiles command 489
- show groups command 490
- show groups privileges command 491
- show hosts command 492
- show imap configuration command 493
- show imap sessions command 495
- show interface ide command 497
- show ip route command 498
- show kron schedule detail job 501
- show kron schedules command 500
- show license all command 503
- show license detail command 505
- show license evaluation command 508
- show license expiring command 510
- show license file command 514
- show license in-use command 517
- show license permanent command 519
- show license statistics command 520
- show license status application command 524
- show license status command 522
- show license udi command 526
- show lists detail private command 527
- show lists detail public command 529
- show lists owner command 531
- show lists public command 532
- show log command 534
- show logging command 537
- show logs command 539
- show memory command 540
- show network detail local command 544
- show network detail location id command 546
- show network locations command 548, 549, 550
- show network queues command 551
- show notification configuration command 553
- show ntp associations command 554
- show ntp servers command 562
- show ntp source command 564
- show ntp status command 567
- show phone-authentication configuration command 573
- show process command 577
- show remote cache command 580
- show remote user detail command 581
- show remote users command 582
- show restore history command 586
- show running-config command 590
- show schedule detail job command 595
- show schedules 594
- show security detail command 596
- show site command 599
- show smtp server command 601
- show snmp configuration command 603
- show software command 604
- show software directory command 606
- show startup-config command 608
- show trace buffer command 612
- show trace store command 614
- show trace store-prev command 616
- show user detail username command 618
- show user profiles command 620
- show users command 621
- show version command 623
- show voicemail broadcast messages command 633
- show voicemail command 625
- show voicemail conversation caller caller-flow restriction-table command 639
- show voicemail messages future command 649
- show voicemail notification command 655
- show voicemail notification owner command 658, 664
- show voicemail notification restriction-table command 664
- show voiceview configuration command 667
- show voiceview sessions command 669
- show webapp command 672
- show web session security command 671
- shutdown command 673
- site name command 675
- smtp server address command 676

smtp server security command [678](#)
 snmp-server community command [603, 679](#)
 snmp-server contact command [681](#)
 snmp-server enable cueShutdownRequest command [682](#)
 snmp-server enable traps command [683](#)
 snmp-server host command [684](#)
 snmp-server location command [686](#)
 software download abort command [687](#)
 software download clean command [688](#)
 software download server command [690](#)
 software download status command [691](#)
 software download upgrade command [692](#)
 software install clean command [694](#)
 software install downgrade command [697](#)
 software install upgrade command [699](#)
 software remove command [700](#)
 start-date (backup-schedule) command [701](#)
 start-date (kron-job) command [702](#)
 stop-date (backup-schedule) command [703](#)
 stop-date (kron-schedule) command [704](#)
 superuser privilege [199](#)
 system language preferred command [705](#)

T

Tab key, command completion [22](#)
 telnet command [21](#)
 Telnet session [21](#)
 trace management command [712](#)
 trace networking all command [714](#)
 trace networking database command [715](#)
 trace networking dns command [716](#)
 trace networking jobqueue command [717](#)
 trace networking smtp command [718](#)
 trace networking sysdb command [719](#)
 trace networking vpim command [720](#)
 trace snmp command [721](#)
 transfer-mode command [723](#)

U

user EXEC mode, summary of [20](#)
 user IDs, characters allowed [726](#)
 username command [726](#)
 username profile cell-phone command [734](#)
 username profile email command [737](#)
 username profile num-pager command [740](#)
 username profile text-pager command [743](#)

V

ViewPrivateList privilege [199](#)
 voice mailbox copy owner command [749](#)
 voice mailbox delete owner command [750](#)
 voice mailbox owner command [751](#)
 voicemail broadcast message command [755](#)
 voicemail broadcast message delete command [756](#)
 voicemail broadcast mwi command [757](#)
 voicemail broadcast recording time command [758](#)
 voicemail broadcast vpim-id command [760](#)
 voicemail callerid command [761](#)
 voicemail capacity time command [763](#)
 voicemail conversation caller caller-flow restriction-table command [766](#)
 voicemail default biz-schedule command [775](#)
 voicemail default broadcast expiration time command [776](#)
 voicemail default command [773](#)
 voicemail extension-length command [777](#)
 voicemail message future delete command [790](#)
 voicemail notification allow-login command [792](#)
 voicemail notification connect-timeout command [795](#)
 voicemail notification email attach command [797](#)
 voicemail notification enable command [799](#)
 voicemail notification owner command [801](#)
 voicemail notification preference command [803](#)
 voicemail notification text prefix command [805](#)
 voicemail notification text suffix command [807](#)

voicemail operator telephone command [809](#)
voicemail phone-prefix command [810](#)
voicemail recording time command [811](#)
voicemail secure-messaging (location) [814](#)
voicemail secure-messaging outgoing command [812](#)
voicemail spoken-name (network location id) command [815](#)
voicemail vcard command [816](#)
voicemail vpim-encoding command [818](#)
voicemail zero-out restriction command [819](#)

W

web admin cme hostname command [822](#)
webapp delete command [827](#)
webapp deploy command [828](#)
webapp reload command [830](#)
webapp start command [831](#)
webapp stop command [832](#)
web credentials hidden (site) command [823](#)
web session security command [824](#)
web username password (site) command [826](#)
write command [833](#)

X

xml credentials hidden (site) command [836](#)
xml username password (site) command [837](#)

Z

zerooutnumber command [840](#)