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security ssh

To configure system-wide SSH length and expiry time, use the **security ssh** command in Cisco UMG 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.
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Command Modes	Cisco UMG configuration
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Command History	Cisco UMG Version	Modification
	8.0	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.
	<ul style="list-style-type: none"> 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.
-----------------	---

```
umg-1# config t
```

```

umg-1(config)# security ssh length min 5
umg-1(config)# security ssh expiry days 45
umg-1(config)# end

```

The following example resets the SSH length to the system default:

```

umg-1# config t
umg-1(config)# default security ssh length min
umg-1(config)# end

```

The following example resets the SSH expiry time to the system default:

```

umg-1# config t
umg-1(config)# no security ssh expiry days
umg-1(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 UMG 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 UMG configuration

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.

Usage Guidelines

Use the **security ssh** command in Cisco UMG 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:

```
umg-1# config t
umg-1(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	Displays a list of configured SSH (Secure Shell) servers and their fingerprints.

serial-number

To configure a serial number for a Cisco Unity endpoint, use the **serial-number** command in Cisco UMG endpoint configuration mode. To clear this configuration, use the **no** form of this command.

serial-number *numeric_string*

no serial-number *numeric_string*

Syntax Description	<i>numeric_string</i>	Serial number of the Cisco Unity endpoint.
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Command Default	The default serial-number is no serial number or the empty string “ ”.
-----------------	--

Command Modes	Cisco UMG endpoint configuration (config-endpoint)
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Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines	Use this command to configure a serial number for a Cisco Unity endpoint.
------------------	---



Note

This command is not applicable to Avaya Interchange or to <Abbreviation>Cisco Unity Express endpoints.

Examples	The following example shows how the serial number is set as part of the process of provisioning a Cisco Unity endpoint:
----------	---

```
umg-1# config t
umg-1(config)# endpoint 12345 type unity
umg-1(config-unity)# serial-number 12345
umg-1(config-unity)# secondary gateway 10.100.50.2
umg-1(config-unity)# end
umg-1(config)#
```

Related Commands	Command	Description
	endpoint	Enters endpoint configuration mode in order to provision endpoints manually.
	domain	Sets the domain name for an endpoint.
	prefix	Sets the phone number prefix for an endpoint.

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 UMG EXEC mode.

show aaa accounting event

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	8.0	This command was introduced.

Usage Guidelines [Table 3](#) describes the information displayed by this command:

Table 2 *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:

```
umg-1# 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 UMG EXEC mode.

show aaa accounting service

Syntax Description	This command has no arguments or keywords.
---------------------------	--

Defaults	None.
-----------------	-------

Command Modes	Cisco UMG EXEC
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Command History	Cisco UMG Version	Modification
	8.0	This command was introduced.

Usage Guidelines

Examples	The following example shows the output for the show aaa accounting service command:
-----------------	--

```
umg-1# 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 3](#) describes the information displayed by this command:

Table 3 *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 3 *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 UMG EXEC mode.

show aaa policy

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	8.0	This command was introduced.

Usage Guidelines

Examples The following example shows the output for the **show aaa policy** command:

```
umg-1# show aaa policy
AAA policy:system
 authentication-order local
 merge-attributes enable
 preferred-server remote
AAA server: remote
 retries 3
 timeout 5
```

[Table 4](#) describes the information displayed by this command:

Table 4 *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 4 *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 backup utility configurations, use the **show backup** command in Cisco UMG EXEC mode.

show backup

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

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 stored on the server.

Examples

The following is sample output from the **show backup** command:

```
umg-1# show backup
```

```
Server URL: ftp://192.0.2.24/ftp
User Account on Server:
Number of Backups to Retain: 5
```

[Table 5](#) describes the significant fields shown in the display.

Table 5 *show backup Field Descriptions*

Field	Description
Server URL	IP address of the backup server.
User Account on Server	(Optional) Username on the backup server.
Number of Backups to Retain	Number of backup files to store before the oldest one is overwritten.

Related Commands

Command	Description
backup category	Specifies the type of data to be backed up and initiates the backup process.
backup	Sets the number of backup files to store and/or the FTP server to which they are to be saved.
restore id	Restores a backup file.
show backup history	Displays the success or failure of backup and restore procedures.
show backup server	Displays the details of the most recent backup files.

show backup history

To display the success or failure of backup and restore procedures, use the **show backup history** command in Cisco UMG EXEC mode.

show backup history

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.
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.

Examples

The following is sample output from the **show backup history** command:

```
umg# 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 6 describes the significant fields shown in the display.

Table 6 *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.
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.

Related Commands

Command	Description
backup category	Specifies the type of data to back up and initiates the backup process.
backup	Sets the number of backup files to store and/or the FTP server to which they are to be saved.
restore id	Restores a backup file.
show backup server	Displays the details of the most recent backup files.
show restore history	Displays the success or failure of restore procedures.

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 UMG 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 UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.

Examples

The following example displays information for the specified recurring scheduled backup job:

```
umg-1# show backup schedule detail job job-8
```

```
Name          job-8
Description    main backup
Categories     Data
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 7](#) describes the significant fields shown in the display.

Table 7 *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 UMG EXEC mode.

show backup schedules

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	8.0	This command was introduced.

Examples The following example displays the details of all recurring scheduled backup jobs:

```
umg-1# 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 8](#) describes the significant fields shown in the display.

Table 8 *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 UMG EXEC mode.

show backup server

Syntax Description	This command has no arguments or keywords.
---------------------------	--

Command Modes	Cisco UMG EXEC
----------------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

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:
-----------------	---

```
umg-1# show backup server

Category:      Data
Details of last 5 backups
Backupid:      1
Date:          Tue Jul 22 10:55:52 PDT 2007
Description:

Backupid:      2
Date:          Tue Jul 29 18:06:33 PDT 2007
Description:

Backupid:      3
Date:          Tue Jul 29 19:10:32 PDT 2007
Description:

Category:      Configuration
Details of last 5 backups
Backupid:      1
Date:          Tue Jul 22 10:55:48 PDT 2007
Description:

Backupid:      2
Date:          Tue Jul 29 18:06:27 PDT 2007
Description:

Backupid:      3
Date:          Tue Jul 29 19:10:29 PDT 2007
Description:
```

Table 9 describes the significant fields shown in the display.

Table 9 *show backup server Field Descriptions*

Field	Description
Category	Type of backup file.
Backupid	ID 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 category	Specifies the type of data to be backed up and initiates the backup process.
backup	Sets the number of backup files to store and/or the ftp server to which they are to be saved.
restore id	Restores a backup file.
show backup history	Displays the success or failure of backup and restore procedures.

show clock

To display clock statistics, use the **show clock** command in Cisco UMG EXEC mode.

show clock

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines Cisco UMG uses the Network Time Protocol (NTP) server for clocking functions. Use the **show clock** command to display the Cisco UMG clock status.

Examples The following is sample output for the **show clock** command:

```
umg-1# show clock
```

```
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 10](#) describes the significant fields shown in the display.

Table 10 *show clock Field Descriptions*

Field	Description
time zone	Current time zone setting.
clock state	Synchronization state of the clock.
delta from reference (ms)	Difference between the module clock and the NTP reference clock.
time of day (sec)	Current time of day in seconds.
time of day (ms)	Current time of day in microseconds.

Related Commands	Command	Description
	ntp server	Specifies the NTP server for Cisco UMG.
	show ntp	Displays the time source for an NTP server.

show configuration

To display the contents of the non-volatile memory, use the **show configuration** command in Cisco UMG EXEC mode.

show configuration

Syntax Description	This command has no arguments or keywords.
---------------------------	--

Command Modes	Cisco UMG EXEC
----------------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines	Use this command for troubleshooting.
-------------------------	---------------------------------------

Examples	The following is sample output for the show configuration command:
-----------------	---

```
umg-1# show configuration

clock timezone America/Los_Angeles

hostname umg-1

ip domain-name temp.com

system language preferred "en_US"

ntp server 192.0.2.24 prefer

software download server url "ftp://192.0.2.23/ftp" credentials hidden "6u/dKTN/h
sEuSAEfw40XlF2eFHnZfyUTSd8ZZNgd+Y9J3xlk2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3xlk2B35j0nfG
WTYHfmPSd8ZZNgd+Y9J3xlk2B35j0nfGWTYHfmP"

log trace local enable

groupname Administrators create
groupname Broadcasters create

username chambers create

groupname Administrators privilege superuser
groupname Administrators privilege ManagePrompts
groupname Administrators privilege broadcast
groupname Administrators privilege local-broadcast
groupname Administrators privilege ManagePublicList
groupname Administrators privilege ViewPrivateList
groupname Administrators privilege vm-imap
groupname Administrators privilege ViewHistoricalReports
groupname Administrators privilege ViewRealTimeReports
```

```

groupname Broadcasters privilege broadcast

backup server url "ftp://192.0.2.23/sd_backup_10" credentials hidden "+EdggXXrw
vTq9Gr22KtpoknfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfG
WTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP"

security password lockout policy temp-lock
security pin lockout policy temp-lock

network local messaging-gateway 50000
network messaging-gateway 57000 192.0.2.22

registration
  username cue_02 password encrypted "Cnjf81Z1zXpbrA7+7/IBX0nfGWTYHfmPSd8ZZNgd+Y9
J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWT
YHfmP"
  username umg password encrypted "R30jwZyreaDX3TqGSvsp5EnfGWTYHfmPSd8ZZNgd+Y9J3x
1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHf
mP"
  end registration

spoken-name enable

translation-rule message unity from-host to-host

end
umg-1

```

Related Commands

Command	Description
backup category	Specifies the type of data to be backed up and initiates the backup process.
hostname	Specifies the hostname of the current messaging gateway.
ip domain-name	Specifies the local messaging gateway's domain name and/or domain name server.
nat location	Enters the NAT configuration mode to set up NAT entries on Cisco UMG for an endpoint or for a messaging gateway.
registration	Enters registration configuration mode in order to configure autoregistration parameters for endpoints of the type Cisco Unity Express 3.1 and later versions.
restore factory default	Restores factory default settings.

show crypto key

To display configured certificate-private key pairs, use the **show crypto key** command in Cisco UMG EXEC mode.

show crypto key { **all** | **label** *label-name* }

Syntax Description	all	Displays all configured certificate-private key pairs.
	label <i>label-name</i>	Displays characteristics of the specified certificate-private key pair. An error message appears if <i>label-name</i> does not exist.

Command Modes	Cisco UMG EXEC
----------------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples

The following is sample output for the **show crypto key** command:

```
umg-1# 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 11](#) describes the significant fields shown in the display.

Table 11 *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.
	crypto key generate	Generates a certificate-private key pair.
	crypto key import	Imports a certificate-private key pair from a console or server.

show hosts

To display the hostname and the domain of the local messaging gateway, use the **show hosts** command in Cisco UMG EXEC mode.

show hosts

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

Use this command to display the hostname and domain name for the current messaging gateway.

Examples

The following is sample output from the **show hosts** command:

```
umg-1# show hosts
Hostname:      umg-1
Domain:       example.com
umg-1#
```

Related Commands

Command	Description
hostname	Specifies the local Cisco UMG's hostname.
ip domain-name	Specifies the Cisco UMG domain name and/or DNS server(s).
network local messaging-gateway	Specifies the location ID of the local messaging gateway.
network messaging-gateway	Specifies the location ID and hostname for peer messaging gateways.

show ip dns cache

To display the DNS cache, use the **show ip dns cache** command in Cisco UMG EXEC mode.

show ip dns cache

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Examples

The following is sample output for the **show ip dns cache** command:

```
umg-1> show ip dns cache
```

```
umg-1. unspecified.      2147483647 IN A      192.0.2.24
localhost.(none\).      2147483647 IN A      192.0.2.23
192.0.2.22.in-addr.arpa. 2147483647 IN PTR      localhost.
stress-umg1-192.0.2.24.example.com. 2147483647 IN A      192.0.2.24
192.0.2.24.in-addr.arpa. 2147483647 IN PTR      192.0.2.24.te
mp.com.
se-192.0.2.24.localdomain. 2147483647 IN A      192.0.2.24
sundial1-umg-se-192.0.2.24.localdomain. 2147483647 IN A      10.1.12.95
localhost.temp.com.      2147483647 IN A      192.0.2.18
192.0.2.24.temp.com.      2147483647 IN A      192.0.2.24
192.0.2.24.(none\).      2147483647 IN A      192.0.2.24
stress-umg1-192.0.2.24.example.com. 2147483647 IN A      192.0.2.24
localhost.                2147483647 IN A      192.0.2.20
stress-umg1-192.0.2.22.(none\). 2147483647 IN A      192.0.2.24
se-192.0.2.24.example.com. 2147483647 IN A      192.0.2.24
localhost.cisco.com.      2147483647 IN A      192.0.2.23
```

```
se-10-1-12-95>
```

Related Commands

Command	Description
hostname	Specifies the hostname for the current configuring Cisco UMG.
ip name-server	Specifies the domain name server.
ntp server	Specifies the NTP clocking server.
show hosts	Displays all configured hosts.

show ip route

To display the IP routing table, use the **show ip route** command in Cisco UMG EXEC mode.

show ip route

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples The following is sample output for the **show ip route** command:

```
umg-1# 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 12](#) describes the significant fields shown in the display.

Table 12 *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 hostname for the current configuring Cisco UMG.
	ip name-server	Specifies the domain name server.
	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 Messaging Gateway EXEC mode.

show kron schedules

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Release	Modification
	8.0	This command was introduced.

Examples The following example displays a list of scheduled kron jobs:

```
umg-1# show kron schedules
Name          Schedule          Commands
krj1          Every 1 days at 12:34  show ver,sh run,conf t,host...
Total: 1
```

Table 13 describes the significant fields shown in the display.

Table 13 *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 UMG EXEC mode.

show kron schedule detail job *name*

Syntax Description

<i>name</i>	Specifies the name of the kron job.
-------------	-------------------------------------

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Release	Modification
8.0	This command was introduced.

Examples

The following example displays the detailed information about a specific kron job:

```
umg-1# 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 14](#) describes the significant fields shown in the display.

Table 14 *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 14 *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 agent

To display the license agent counters and session information, use the **show license agent** command in Cisco UMG EXEC mode.

show license agent {counters | session}

Syntax Description

counters	Displays the license agent counters.
session	Displays the license agent session.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.

Usage Guidelines

This command displays counter and session information.

Examples

The following is a sample output for the **show license agent counters** command:

```
UMG-1# show license agent counters
License Agent Counters
Request Messages Received:0: Messages with Errors:0
Request Operations Received:0: Operations with Errors:0
Notification Messages Sent:0: Transmission Errors:0
```

The following is a sample output for the **show license agent session** command:

```
SRST-UMG# show license agent session

License Agent Sessions: 0 open, maximum is 9
```

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 permanent	Displays the status of the licenses installed.
show license status	Displays the status of the license applications installed.

show license all

To display the summary of all the licenses installed in your system, use the **show license all** command in Cisco UMG EXEC mode.

show license all

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license all
License Store: Primary License Storage
StoreIndex: 0 Feature: CUMG-SRSV-NODE Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 25 /25
License Priority: Medium
License Store: Evaluation License Storage
StoreIndex: 0 Feature: CUMG-SRSV-NODE 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: 6000 / 0
License Priority: None
License Store: Evaluation License Storage
StoreIndex: 1 Feature: CUMG-SRST-NODE 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: 1000 / 0
License Priority: None
License Store: Evaluation License Storage
StoreIndex: 2 Feature: CUMG-VPIM-NODE 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: 6000 / 0
License Priority: None
```

Table 15 describes the significant fields shown in the display.

Table 15 *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 UMG EXEC mode.

show license detail

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	8.0	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:

```
umg-1# show license detail
Index: 1      Feature: CUMG-SRST-NODE      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: 1000 / 0
License Priority: None
Store Index: 1
Store Name: Evaluation License Storage
Index: 2      Feature: CUMG-SRSV-NODE      Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 25 /25
License Priority: Medium
Store Index: 0
Store Name: Primary License Storage
Index: 3      Feature: CUMG-SRSV-NODE      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: 6000 / 0
License Priority: None
Store Index: 0
--More--
Store Index: 0
Store Name: Evaluation License Storage
```

Table 16 describes the significant fields shown in the display.

Table 16 *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.

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 permanent	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 UMG EXEC mode.

show license evaluation

Syntax Description	This command has no arguments or keywords.
---------------------------	--

Command Modes	Cisco UMG EXEC
----------------------	----------------

Command History	Cisco UMG Version	Modification
	8.0	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:
-----------------	--

```
UMG-1# show license evaluation
StoreIndex: 0 Feature: CUMG-SRSV-NODE 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: 6000 / 0
  License Priority: None
StoreIndex: 1 Feature: CUMG-SRST-NODE 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: 1000 / 0
  License Priority: None
StoreIndex: 2 Feature: CUMG-VPIM-NODE 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: 6000 / 0
  License Priority: None
```

Table 17 describes the significant fields shown in the display.

Table 17 *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 UMG EXEC mode.

show license expiring

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license expiring
StoreIndex: 0 Feature: CUMG-SRSV-NODE 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: 6000 / 0
  License Priority: None
StoreIndex: 1 Feature: CUMG-SRST-NODE 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: 1000 / 0
  License Priority: None
StoreIndex: 2 Feature: CUMG-VPIM-NODE 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: 6000 / 0
  License Priority: None
```

Table 18 describes the significant fields shown in the display.

Table 18 *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 expiring	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 UMG EXEC mode.

show license feature

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG 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:

```
UMG-1# show license feature
Feature name      Enforcement  Evaluation  Clear Allowed  Enabled
CUMG-SRSV-NODE   yes         yes         yes            yes
CUMG-SRST-NODE   yes         yes         yes            no
CUMG-VPIM-NODE   yes         yes         yes            no
```

[Table 19](#) describes the significant fields shown in the display.

Table 19 *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 UMG EXEC mode.

show license file

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	8.0	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:

```

UMG-1# show license file
License Store: Primary License Storage
Store Index: 0
License: 11 CUMG-SRSV-NODE 1.0 LONG NORMAL STANDALONE EXCL 25_KEYS INFINIT
E_KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *1VWRGKKFHYT48RU400
NiL NiL NiL 5_MINS <UDI><PID>NME-UMG-EC</PID><SN>FOC12173GKY</SN
></UDI> Ad1ddTwQB7qVoypWOWWSLcNxERLNY:h23I2b8W2z09VZWbXvPiat,g:Jw
cW6IMJWVpWx3sCYIoyQvUYrHjeLVrLyXG117WwW0669a11G2G0Pff$<WLC>AQEBIf
8B//+WLJLP02ZqFFWJGj41T/rpXCwkhfZHpL5sorgNyNLnmUs+lo4KKZxA04i17s3
tfVJHebPkG1ARtYd1UQ07GJ3Knufz9oZ6JdFniDf5HrQ8DrXdpCz5RgZE+y8fbN20
0xiXA5cB3fwcJqoPIFZm2HmD1qFfsyTAzui066t6Xk5y8xo11bVhvoh/FZfy5iRY3
oE=</WLC>
Comment:
Hash: icj3MkSQxB+4Im/RyHNoeWas4pQ=

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.

Command	Description
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 UMG EXEC mode.

show license in-use

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license in-use
StoreIndex: 0 Feature: CUMG-SRSV-NODE Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 25 /25
License Priority: Medium
```

Table 20 describes the significant fields shown in the display.

Table 20 *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.

Command	Description
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 UMG EXEC mode.

show license permanent

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license permanent
StoreIndex: 0 Feature: CUMG-SRSV-NODE Version: 1.0
License Type: Permanent
License State: Active, In Use
License Count: 25 /25
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 UMG EXEC mode.

show license statistics

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unified Messaging Gateway EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license statistics
      Administrative statistics
Install success count:      0
Install failure count:     0
Install duplicate count:   0
Comment add count:         0
Comment delete count:      0
Clear count:               0
Save count:                0
Save cred count:           0

      Client statistics
Request success count:     3
Request failure count:     0
Release count:             0
Global Notify count:      0
```

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 UMG EXEC mode.

show license status

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# 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 UMG EXEC mode.

show license status application [**srst** | **srsv** | **vpim**]

Syntax Description

srst	Displays the SRST license status.
srsv	Displays the SRSV license status.
vpim	Displays the VPIM license status.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.
8.5	The srst license keyword was added.

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.

```
UMG-1# show license status application
srsv enabled: 25 srsv nodes
srst disabled, no activated srst node license available
vpim disabled, no activated vpim node license available
```

The following is sample output for the **show license status application srsv** command:

```
UMG-1# show license status application srsv
srsv enabled: 25 srsv nodes
```

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 UMG EXEC mode.

show license udi

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco Unified Messaging Gateway EXEC

Command History

Cisco UMG Version	Modification
8.0	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:

```
UMG-1# show license udi
Device# PID                               SN                               UDI
-----
*0      NME-UMG-EC                         FOC12173GKY                     NME-UMG-EC:FOC12173GKY
```

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 feature	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 log name

To display logging data, use the **show log name** command in Cisco UMG EXEC mode.

show log name *word* [**containing** *expression* | **paged** | **tail**]

Syntax Description	<i>word</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>	Only displays events that match a search expression.
	paged	Displays in paged mode.
	tail	Displays the latest events as they occur.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines This command has the following filtering 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.

Examples The following partial output for the **show log name** command displays the dmesg log:

```
umg-1# show log name dmesg

Press <CTRL-C> to exit...
Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (version4
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 - 00000000000100000 (reserved)
 BIOS-e820: 00000000000100000 - 00000000000f00000 (usable)
 BIOS-e820: 00000000000f00000 - 000000000001000000 (reserved)
 BIOS-e820: 000000000001000000 - 00000000000f580000 (usable)
 BIOS-e820: 00000000000f580000 - 00000000000f600000 (reserved)
 BIOS-e820: 00000000000f600000 - 0000000000010000000 (reserved)
 BIOS-e820: 0000000000fff00000 - 0000000000100000000 (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 sample output for the **show log** command displays the dmesg log using a search string:

```
umg-1# 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]
umg-1#

```

The following partial output for the **show log** command displays the dmesg log in paged mode:

```
umg-1# show log name dmesg paged
```

```

Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (version
)) #1 Tue Nov 30 23:07:21 PST 2007
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
-- More --

```

The following output for the **show log name** command displays the current dmesg log as events are being entered:

```
umg-1# show log name dmesg tail
```

Press <CTRL-C> to exit...

Freeing unused kernel memory: 88k freed

The following partial output for the **show log name** command displays the dmesg log beginning with the first line starting with ide0:

```
umg-1# 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
log console	Configures the types of messages to be displayed on the console.
log console monitor	Displays system messages on the console.
log server address	Specifies an external server for saving log messages.
log trace boot	Saves the trace configuration on rebooting.
log trace buffer save	Saves the current trace information.
show logging	Shows the types of messages that are displayed on the console.
show logs	Displays the list of available logs.

show logging

To display the types of messages that are displayed on the console, use the **show logging** command in Cisco UMG EXEC mode.

show logging

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

This command has the following filtering 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.

Examples

The following displays the output for the **show logging** command when errors and fatal messages are displayed on the console.

```
umg-1# 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.

```
umg-1# show logging
```

```
info:      off
warning:   off
errors:    on
fatal:     on
```

```
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:

```
umg-1# 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: 192.0.2.24
```

Related Commands

Command	Description
log console	Configures the types of messages to be displayed on the console.
log console monitor	Displays system messages on the console.
log server address	Specifies an external server for saving log messages.
log trace boot	Saves the trace configuration on rebooting.
log trace buffer save	Saves the current trace information.
show log name	Displays a specified log.
show logs	Displays the list of available logs.

show logs

To display the existing log files on the current Cisco UMG module, use the **show logs** command in Cisco UMG EXEC mode.

show logs

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

This command has the following filtering 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.

Examples

The following example is a sample list of log files available on the system:

```
umg-1# 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 memory

To display memory information for the Cisco UMG module, use the **show memory** command in Cisco UMG EXEC mode.

show memory

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Examples

The following example shows detailed information about the memory on the Cisco UMG network module:

```
umg-1# 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 21](#) describes the significant fields shown in the display.

Table 21 *show memory Field Descriptions*

Field	Description
Total Memory (KB)	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)	Portion of process memory accessed recently by code somewhere in the system.
Inactive Memory (KB)	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	Amount of memory reserved for this type.

Table 21 *show memory Field Descriptions (continued)*

Field	Description
INUSE	Portion of the reserved memory that is currently being used.
MAXUSED	Peak INUSE value since the last reboot.
ERR	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 Cisco UMG module.

show ntp

To display the time source for a Network Time Protocol (NTP) server, use the **show ntp** command in Cisco UMG EXEC mode.

show ntp [detail]

Syntax Description

detail	Displays detailed information about the NTP servers.
---------------	--

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

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** command:

```
umg-1# show ntp

192.0.2.24: stratum 9, offset 0.000015, synch distance 0.03047
192.0.2.23: stratum 8, offset -0.001124, synch distance 0.00003
```

[Table 22](#) describes the significant fields shown in the display.

Table 22 *show ntp 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 detail** command:

```
umg-1# show ntp detail

server 192.0.2.24, port 123
```

```

stratum 9, precision -17, leap 00
refid [192.0.2.22] 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 192.0.2.23, port 123
stratum 8, precision -18, leap 00
refid [192.0.2.21] 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 23 describes the significant fields shown in the display.

Table 23 *show ntp 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.
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.

Table 23 *show ntp detail Field Descriptions (continued)*

Field	Description
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
ntp server	Configures the Network Time Protocol (NTP) server to keep the system time synchronized with the NTP server.
show clock	Displays clock statistics.

show processes

To display subsystem status and statistics for the Cisco UMG module, use the **show process** command in Cisco UMG EXEC mode.

show processes [cpu | memory]

Syntax Description

cpu	Displays CPU time.
memory	Displays process memory usage.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

The output of this command is most useful to technical support personnel diagnosing problems.

Examples

The following is sample output from the **show processes** command:

```
umg-1# show processes

STATE          HEALTH  CMD
online         alive   syslog-ng
online         alive   platform_config
online         alive   rbcps
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:

```
umg-1# 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:

```
umg-1# 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	rbcp
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 24 describes the fields shown in the **show processes** command output.

Table 24 *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 25 describes the fields shown in the **show processes cpu** command output.

Table 25 *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 26 describes the fields shown in the **show process memory** command output.

Table 26 *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.

show restore history

To display the success or failure of restore procedures, use the **show restore history** command in Cisco UMG EXEC mode.

show restore history

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Release	Modification
8.0	This command was introduced.

Usage Guidelines

If running a Cisco UMG 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:

```
umg-1# 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 27](#) describes the significant fields shown in the display.

Table 27 *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 27 *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 running-config

To display the current running configuration for Cisco UMG, use the **show running-config** command in Cisco UMG EXEC mode.

show running-config [paged]

Syntax Description

paged	Displays enough output to fill the current viewing screen.
--------------	--

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

This command displays the running configuration for Cisco UMG stored in flash memory.

Examples

The following is sample output for the **show running-config** command:

```
umg-1# show running-config
Generating configuration:

clock timezone America/Los_Angeles

hostname umg-1

ip domain-name mycompany.com

system language preferred "en_US"

ntp server 192.0.2.24 prefer

software download server url "ftp://192.0.2.23/ftp" credentials hidden "6u/dKTN/h
sEuSAEfw40XlF2ePHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfG
WTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP"

log trace local enable

groupname Administrators create
groupname Broadcasters create

username chambers create

groupname Administrators privilege superuser
groupname Administrators privilege ManagePrompts
groupname Administrators privilege broadcast
groupname Administrators privilege local-broadcast
groupname Administrators privilege ManagePublicList
groupname Administrators privilege ViewPrivateList
groupname Administrators privilege vm-imap
```

```

groupname Administrators privilege ViewHistoricalReports
groupname Administrators privilege ViewRealTimeReports
groupname Broadcasters privilege broadcast

backup server url "ftp://192.0.2.22/umg_backup" credentials hidden "+EdqgXXrwyT
q9Gr22KtpoknfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWT
YHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP"

log server address 192.0.2.21

security password lockout policy temp-lock
security pin lockout policy temp-lock

network local messaging-gateway 51000

registration
  username umg password encrypted "R30jwZyreaDX3TqGSvsp5EnfGWTYHfmPSd8ZZNgd+Y9J3x
1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHf
mP"
  end registration

end
umg-1#

```

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.
log server address	Configures external log server.
show startup-config	Displays the startup configuration.
write	Copies the running configuration to the startup configuration.

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 UMG EXEC mode.

show security ssh known-hosts

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.

Usage Guidelines

Use the **show security ssh known-hosts** command in Cisco UMG 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 software

To display the characteristics of the installed software, use the **show software** command in Cisco UMG EXEC mode.

show software {directory | download server | packages | versions}

Syntax Description	directory	Displays the software directory.
	download server	Displays the IP address of the FTP server.
	packages	Displays the configured Cisco UMG application packages.
	versions	Displays the current versions of the configured software and applications.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples

The following is sample output for the **show software** command:

```
umg-1# show software download server
```

```
Download server URL is: ftp://192.0.2.24/ftp
```

```
umg-1# show software packages
```

```
Installed Packages:
```

- Installer (Installer application)
- UMG (Unified Messaging Gateway)
- Bootloader (Primary) (Service Engine Bootloader)
- Infrastructure (Service Engine Infrastructure)
- Global (Global manifest)
- Bootloader (Secondary) (Service Engine Bootloader)
- Core (Service Engine OS Core)
- GPL Infrastructure (Service Engine GPL Infrastructure)

```
umg-1# show software versions
```

```
Software Version dthf_apr6
```

```
Build Number dthf_apr6
```

```
Installed Packages:
```

- Installer dthf_apr6
- UMG 0.0.1
- Bootloader (Primary) 2.1.8.0
- Infrastructure 2.3.2.0
- Global dthf_apr6
- Bootloader (Secondary) 2.1.10.0
- Core 2.3.0.2
- GPL Infrastructure 2.2.1.0

```
umg-1#
```

Related Commands

Command	Description
backup category	Specifies the type of data to be backed up and initiates the backup process.
copy ftp	Copies a new configuration from an FTP server to another Cisco UMG location.
copy running-config	Copies the running configuration to another destination.
copy startup-config	Copies the startup configuration to another destination.
copy tftp	Copies the network TFTP server information to another destination.
restore factory default	Restores the system to the factory defaults.
show startup-config	Displays the current startup configuration.
shutdown	Displays the software version.

show software directory

To display directory information for software download and downgrade files, use the **show software directory** command in Cisco UMG EXEC mode.

show software directory {download | downgrade}

Syntax Description	download	Displays download directory information.
	downgrade	Displays downgrade directory information.

Command Modes	Cisco UMG EXEC
---------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines	Cisco UMG Release 1.0.1 does not support downgrade files.
------------------	---

Examples	The following is sample output for the show software directory download command:
----------	---

```
umg-1# show software directory download

KBytes  Directory
0       /dwnld/pkgdata

Directory listings

Directory: /dwnld/pkgdata

total 0
drwxrwxr-x  2 root daemon  48 Apr  6 16:40 .
drwxrwxr-x  4 root daemon 200 Apr  6 16:40 ..
umg-1#
```

Related Commands	Command	Description
	software download clean	Downloads software packages for installing later.

show startup-config

To display the current startup configuration, use the **show startup-config** command in Cisco UMG EXEC mode.

show startup-config [paged]

Syntax Description	paged	Displays enough output to fill the current viewing screen.
--------------------	-------	--

Command Modes	Cisco UMG EXEC
---------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines	Use this command to display the startup configuration stored on the hard disk.
------------------	--

Examples	The following is sample output for the show startup-config command:
----------	--

```
umg-1# show startup-config

clock timezone America/Los_Angeles

hostname umg-1

ip domain-name (none)

software download server url "ftp://192.0.2.24/ftp" credentials hidden "6u/dKTN/h
sEuSAEfw40XlF2eFHzfUTSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfG
WYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmP"

groupname Administrators create
groupname Broadcasters create

username root create
username lab create

groupname Administrators member root
groupname Administrators privilege superuser
groupname Broadcasters privilege broadcast
groupname Administrators privilege ManagePrompts
groupname Administrators privilege broadcast
groupname Administrators privilege local-broadcast
groupname Administrators privilege ManagePublicList
groupname Administrators privilege ViewPrivateList
groupname Administrators privilege vm-imap
groupname Administrators privilege ViewHistoricalReports
groupname Administrators privilege ViewRealTimeReports

backup server url "ftp://192.0.2.23/ftp" credentials hidden "EWlTygcMhYmjazXhE/VN
XHCKplVV4KjeschDaLa4f14WLSPFv1rWUnfGWYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8Z
```

```

ZNgd+Y9J3x1k2B35j0nfGWTYHfmP"

translation-rules message cue src_host src_host

registration
  username-hidden umg
end registration

translation-rules smtp cue src_host src_host

network local gateway id 50000

endpoint id 33 type unity
  hostname unity
  prefix 408
end endpoint

security password lockout policy temp-lock
security pin lockout policy temp-lock

end
umg-1#

```

Related Commands

Command	Description
copy ftp	Copies a new configuration from an FTP server to another Cisco UMG location.
copy running-config	Copies the running configuration to another destination.
copy startup-config	Copies the startup configuration to another destination.
copy tftp	Copies the network TFTP server information to another destination.
erase startup-config	Deletes startup configuration data.
restore factory default	Restores the system to the factory defaults.
show running-config	Displays the running configuration.
show startup-config	Displays the current startup configuration.
shutdown	Displays the software version.
write	Copies the running configuration to the startup configuration.

show statistics

To display a statistics report, use the show statistics command in Cisco UMG EXEC mode.

show statistics

Syntax Description This command has no keywords or arguments.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples The following example shows a partial output from the **show statistics** command:

```
umg-1# show statistics
SMTP Receive Failure: 0
SMTP Sent Failure: 0
SMTP Rejected: 0
NDR Message Generated: 0
DDR Message Generated: 0
Number of Lookup Request: 0
SDL Message Received: 0
SDL Message Sent: 0
SBM Message Received: 11
DirEx Message Received: 6
DirEx Message Send: 25
VPIM Message Received: 12
VPIM Message Sent: 12
Total SMTP Message Received: 18
Total SMTP Message Sent: 37
```

Related Commands	Command	Description
	ddr timeout	Configures a timeout window whose elapse will result in a delayed delivery receipt (DDR).
	directory exchange endpoint request	Manually forces data convergence between autoregistered endpoints and messaging gateways.
	directory exchange messaging-gateway request	Manually forces data convergence between the current messaging gateway and its peers by requesting either full directory exchange or directory updates.
	directory exchange messaging-gateway send	Manually forces data convergence between the current messaging gateway and its peers, by sending either full directory exchange or directory updates.
	ndr timeout	Configures a timeout window whose elapse will result in a non- delivery receipt (NDR).
	show ddr timeout	Displays the timeout window whose elapse will result in a DDR.

Command	Description
show list	Displays a list of the system distribution lists (SDLs) that are configured.
show list privilege	Displays the authorized senders for SDLs.
show ndr timeout	Displays the timeout window whose elapse will result in a NDR.
show translation-rule	Displays translation rules for the SMTP header for each supported endpoint.
translation-rule	Configures translation rules for both message header and SMTP header for each supported endpoint.
vpim external	Configures NAT entries for peer messaging gateways or endpoints.

show trace buffer

To display a list of events in memory, use the **show trace buffer** command in Cisco UMG EXEC mode.

show trace buffer [**containing** *string* [**long** | **short**] | **long** [**paged**] | **short** [**paged**] | **tail** [*number* [**long** | **short**]]]

Syntax Description

containing <i>string</i>	Displays only events that match a search expression.
long	Displays expanded text for many error and return codes.
short	Displays hexadecimal codes.
paged	Displays the output a page at a time.
tail	Display the latest events as they occur.
<i>number</i>	Displays the most recent <i>number</i> of events.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

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 can stop the output by pressing CTRL-C.

This command has the following filtering 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.

Examples

The following example shows partial output from the **show trace buffer** command:

```
umg-1# 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
log console	Configures the types of messages to be displayed on the console.
log console monitor	Displays system messages on the console.
log server address	Specifies an external server for saving log messages.
log trace boot	Saves the trace configuration on rebooting.
log trace buffer save	Saves the current trace information.
show log name	Begins the output of any show command from a specified string.
show logging	Shows the types of messages that are displayed on the console.
show logs	Displays the list of available logs.

show trace store

To display a list of events from the atrace.log file, use the **show trace store** command in Cisco UMG EXEC mode.

show trace store [**containing** *string* [**long** | **short**] | **long** [**paged**] | **short** [**paged**] | **tail** [*number* [**long** | **short**]]]

Syntax Description

containing <i>string</i>	Displays only events that match a search expression.
long	Displays expanded text for many error and return codes.
short	Displays hexadecimal codes.
paged	Displays the output a page at a time.
tail	Displays the latest events as they occur.
<i>number</i>	Displays the most recent <i>number</i> of events.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

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 can stop the output by pressing CTRL-C.

This command has the following filtering 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.

Examples

The following example shows a partial output from the **show trace store** command:

```
umg-1# 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 log name	Displays the content of the specified log.
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 UMG EXEC mode.

show trace store-prev [**containing** *string* [**long** | **short**] | **long** [**paged**] | **short** [**paged**] | **tail** [*number* [**long** | **short**]]]

Syntax Description

containing <i>string</i>	Displays only events that match a search expression.
long	Displays expanded text for many error and return codes.
short	Displays hexadecimal codes.
paged	Displays the output a page at a time.
tail	Displays the latest events as they occur.
number	Displays the most recent <i>number</i> of events.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

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.

This command has the following filtering 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.

Examples

The following example shows a partial output from the **show trace store-prev** command:

```
umg-1# 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 log name	Displays the content of the specified log.
show logging	Displays the types of messages that are shown on the console.
show logs	Displays a list of the log files.
show trace store	Displays a list of events from the atrace.log.prev file.

shutdown

To shut down the current configuring messaging gateway, use the **shutdown** command in Cisco UMG EXEC mode.

shutdown

Syntax Description

This command has no arguments or keywords.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

All registered endpoints will be marked offline.



Caution

Always shut down the module before power-cycling the router to prevent file corruption and data loss.



Caution

The shutdown is immediate. The software does not ask for confirmation.

Examples

The following example illustrates the use of the **shutdown** command in Cisco UMG:

```
umg-1# shutdown
```

Related Commands

Command	Description
offline	Takes Cisco UMG offline.
reload	Starts Cisco UMG.

software download abort

To abort a download that is in progress, use the **software download abort** command in Cisco UMG EXEC mode.

software download abort

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples The following is an example of aborting an existing download:

```
umg-1# 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 UMG EXEC mode.

software download clean {*package-file-name* | **url ftp://ftp-server-ip-address/package-file-name**}

Syntax Description

<i>package-file-name</i>	Name of the package file for the new software.
url ftp://ftp-server-ip-address	URL of the FTP server.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	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 Cisco UMG configuration.

```
umg-1# software download clean umg.nme.1.0.1.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.

```
umg-1# software download clean url ftp://192.0.2.24/umg.nme.1.0.1.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 umg.nme.1.0.1.pkg
Bytes downloaded : 63648
```

```
Validating package signature ... done
```

```
Validating package signature ... done
[17488 refs]
umg-1#
```

The following is an example of using the **software download status** command to check on the download progress.

```
umg-1# software download status
```

```
Download request in progress.
downloading file : umg.nme.1.0.1.pkg
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 UMG module, use the **software download server** command in Cisco UMG 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.
/dir	The FTP directory on the server.
username username	Specifies the FTP username. If this option is not used, the default is “anonymous”.
password password	Specifies the FTP password.
credentials hidden credentials	Specifies the encrypted username and password value.

Command Modes

Cisco UMG configuration (config)

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Examples

The following is an example of setting the server information with just a root directory.

```
umg-1(config)# software download server url ftp://192.0.2.24/
```

The following is an example of setting the server information with a directory different than the root directory.

```
umg-1(config)# software download server url ftp://192.0.2.24/ftp_dir
```

The following is an example of setting the server information with a username and password.

```
umg-1(config)# software download server url ftp://192.0.2.24/ftp_dir username ftpuser password ftppassword
```

The following is an example of setting the server information with an encrypted credentials string.

```
umg-1(config)# software download server url ftp://192.0.2.24/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 UMG EXEC mode.

software download status

Syntax Description	This command has no arguments or keywords.
---------------------------	--

Command Modes	Cisco UMG EXEC
----------------------	----------------

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Examples	The following is an example of displaying the status of a download in progress:
-----------------	---

```
umg-1# software download status

Download request in progress.
downloading file : cue-vm.2.0.1.prt1
bytes downloaded : 5536224

umg-1# 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 uninstall

To upgrade to a newer version of Cisco UMG software, use the **software install upgrade** command in Cisco UMG EXEC mode.

```
software install upgrade {pkg umg-package.pkg |
                        url ftp://ftp-server-ip-address/umg-package.pkg}
```

Syntax Description

pkg umg-package.pkg	Specifies a package name.
url ftp://ftp-server-ip-address/umg-package.pkg	Specifies the FTP server information.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

Use this command to upgrade to a newer version of Cisco UMG software.
Neither Cisco UMG Release 1.0.1 nor Cisco UMG Release 8.0.1 supports upgrades.

Examples

The following is an example of the command to upgrade to a newer version of Cisco UMG software.

```
umg-1# software install upgrade url ftp://192.0.2.24/umg.nme.1.0.1.pkg
```

The following is an example of the command to upgrade to a newer version of Cisco UMG software if the FTP server has been configured or the software files have been downloaded previously with the **software download upgrade** command:

```
umg-1# software install upgrade pkg umg.nme.1.0.1.pkg
```

Related Commands

Command	Description
software download upgrade	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 UMG software and cleans the disk.
software install downgrade	Downgrades the current Cisco UMG software to an older version.

software download upgrade

To download software for a later upgrade, use the **software download upgrade** command in Cisco UMG 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>	Directory other than the default.
username <i>username</i>	Username for the FTP server.
password <i>password</i>	Password for the FTP server.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

Use this command to download files for a future upgrade.

Neither Cisco UMG Release 1.0.1 nor Cisco UMG Release 8.0.1 supports upgrades.

Examples

The following is an example of downloading a software package to upgrade later where the FTP server information has been set in the Cisco UMG configuration.

```
umg-1# software download upgrade umg.nme.1.0.1.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.

```
umg-1# software download upgrade url ftp://192.0.2.24/umg.nme.1.0.1.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 :192.0.2.24
url_user :null
url_uname :anonymous
url_psword :anonymous
url_proto :ftp
url_path :/
url_fname :umg.nme.1.0.1.pkg
url_url :ftp://192.0.2.24/
```

```

Downloading umg.nme.1.0.1.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 user input. The software package is downloaded to the Cisco UMG network module.

The following is an example of using the **software download status** command to check on the download progress.

```

umg-1# software download status

Download request in progress.
downloading file : umg-full.nme.1.0.1.prt1
bytes downloaded : 5536224

```

```

umg-1# software download status

Download request completed successfully.

```

The following example shows how to verify the download success using the **show software directory download** command.

```

umg-1# show software directory download

KBytes  Directory
0        /dwnld/pkgdata

Directory listings

Directory: /dwnld/pkgdata

total 0
drwxrwxr-x  2 root    daemon    48 Sep 15  2007 .
drwxrwxr-x  4 root    daemon    200 Sep 15  2007 ..

```

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 Cisco UMG software, use the **software install clean** command in Cisco UMG 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 UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	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 data are lost after this step. For future upgrades and installations, verify that a backup has been done. If not, abort and do a backup first.

Examples

The following is an example of the command to install a new version of Cisco UMG software where the FTP server information has been set in the Cisco UMG configuration.

```
umg-1# software install clean umg.nme.1.0.1.pkg
```

The following is an example of installing a new version of Cisco UMG software where the FTP server information is included on the command line.

```
umg-1# software install clean url ftp://192.0.2.24/umg.nme.1.0.1.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
```

At this point the new software loads 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 Unified Messaging Gateway 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::
IMPORTANT:: If you are recovering from a disaster and do not have a
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 configuration
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

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 UMG software to a previous version.
software install upgrade	Upgrades the current Cisco UMG software to a newer version.

software install downgrade

To downgrade to a previously installed version of Cisco UMG software, use the **software install downgrade** command in Cisco UMG EXEC mode.

software install downgrade

Syntax Description This command has no arguments or keywords.

Command Modes Cisco UMG EXEC

Command History	Cisco UMG Version	Modification
	1.0	This command was introduced.

Usage Guidelines Use this command to downgrade to the previous version of Cisco UMG software. The package information was already saved on the Cisco UMG module from the previous upgrade. No FTP information is necessary.

Cisco UMG Release 1.0.1 does not support upgrades or downgrades.

Examples The following is an example of the command to downgrade to the previous version of Cisco UMG software.

```
umg-1# software install downgrade
```

The following example shows how to verify the downgrade success using the **show software directory downgrade** command.

```
umg-1# show software directory downgrade
```

```
KBytes  Directory
0       /dwnld/dwngrade
```

Directory listings

```
Directory: /dwnld/dwngrade
```

```
total 0
drwxrwxrwx  2 root  daemon    48 Sep 15  2007 .
drwxrwxr-x  4 root  daemon   200 Sep 15  2007 ..
```

Related Commands	Command	Description
	show software directory	Displays directory information for software downloads and downgrades.
	software install clean	Installs a new version of the <Abbreviation>Cisco Unity Express software.
	software install upgrade	Upgrades the current <Abbreviation>Cisco Unity Express software to a newer version.

software install upgrade

To upgrade to a newer version of Cisco UMG software, use the **software install upgrade** command in Cisco UMG EXEC mode.

```
software install upgrade {pkg umg-package.pkg |  
                        url ftp://ftp-server-ip-address/umg-package.pkg}
```

Syntax Description

pkg <i>umg-package.pkg</i>	Specifies the package name.
url <i>ftp://ftp-server-ip-address/umg-package.pkg</i>	Specifies the FTP server information.

Command Modes

Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Usage Guidelines

Use this command to upgrade to a newer version of <Abbreviation>Cisco Unity Express software. Neither Cisco UMG Release 1.0.1 nor Cisco UMG Release 8.0.1 supports upgrades.

Examples

The following is an example of the command to upgrade to a newer version of Cisco UMG software.

```
umg-1# software install upgrade url ftp://192.0.2.24/umg.nme.1.0.1.pkg
```

The following is an example of the command to upgrade to a newer version of Cisco UMG software if the FTP server was configured or the software files were downloaded previously with the **software download upgrade** command:

```
umg-1# software install upgrade pkg umg.nme.1.0.1.pkg
```

Related Commands

Command	Description
software download upgrade	Configures the FTP server information.
software download upgrade	Downloads the files for a future upgrade.
software install clean	Installs a new version of the <Abbreviation>Cisco Unity Express software.
software install downgrade	Downgrades the current <Abbreviation>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 UMG 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 UMG EXEC

Command History

Cisco UMG Version	Modification
1.0	This command was introduced.

Examples

The following is an example the **software remove** command:

```
umg-1# software remove all
```

```
Download files removed
Downgrade files removed
```

```
umg-1# software remove downgradefiles
```

```
Downgrade files removed
```

```
umg-1# 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 UMG 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 UMG scheduled backup configuration (backup-schedule)
---------------	--

Command History	Cisco UMG 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 start date to May 30, 2009:
----------	--

```
umg-1# backup schedule job 22
umg-1(backup-schedule) # start-date 05/30/2009
```

Related Commands	Command	Description
	backup schedule	Enters commands enters backup-schedule submode.

start-date (kron-schedule)

To specify the start date for the recurring scheduled kron job to occur, use the **start-date** command in Cisco UMG 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 UMG kron-schedule configuration
---------------	---------------------------------------

Command History	Cisco UMG 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 start date to May 27, 2009:
----------	--

```
umg-1# kron-schedule krj1
umg-1(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 UMG 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 UMG scheduled backup configuration (backup-schedule)
---------------	--

Command History	Cisco UMG 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 end date to May 30, 2009:
----------	--

```
umg-1# schedule job 22  
umg-1(backup-schedule) # stop-date 05/30/2009
```

Related Commands	Command	Description
	backup schedule	Enters backup-schedule submode.

stop-date (kron-schedule)

To specify the stop date for recurring scheduled kron jobs to occur, use the **stop-date** command in Cisco UMG 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 UMG kron-schedule configuration
---------------	---------------------------------------

Command History	Cisco UMG 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:
----------	---

```
umg-1# kron schedule krj1
umg-1(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.