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**Last Updated: April 16, 2010**

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**software install downgrade**  
**software install upgrade**  
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# serial-number

To configure a serial number for a Cisco Unity endpoint, use the **serial-number** command in Cisco Unified Messaging Gateway (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*

|                           |                       |                                           |
|---------------------------|-----------------------|-------------------------------------------|
| <b>Syntax Description</b> | <i>numeric_string</i> | Serial number of the Cisco Unity endpoint |
|---------------------------|-----------------------|-------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                                                    |
|----------------------|----------------------------------------------------|
| <b>Command Modes</b> | Cisco UMG endpoint configuration (config-endpoint) |
|----------------------|----------------------------------------------------|

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

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | 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.

|                 |                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Examples</b> | 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                                                                  |
|------------------|---------------------------------------------|------------------------------------------------------------------------------|
|                  | <a href="#">endpoint</a>                    | Enters endpoint configuration mode in order to provision endpoints manually. |
|                  | <a href="#">domain</a>                      | Sets the domain name for an endpoint.                                        |
|                  | <a href="#">messaging-gateway secondary</a> | Specifies a secondary messaging gateway.                                     |
|                  | <a href="#">prefix</a>                      | Sets the phone number prefix for an endpoint.                                |

# show backup

To display backup utility configurations, use the **show backup** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show backup

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

**Command Default** None

**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 1](#) describes the significant fields shown in the display.

**Table 1** *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                                                                                   |
|------------------|----------------------------------|-----------------------------------------------------------------------------------------------|
|                  | <a href="#">backup category</a>  | Specifies the type of data to be backed up and initiates the backup process.                  |
|                  | <a href="#">backup revisions</a> | Sets the number of backup files to store and/or the FTP server to which they are to be saved. |

| Command                             | Description                                                       |
|-------------------------------------|-------------------------------------------------------------------|
| <a href="#">restore id</a>          | Restores a backup file.                                           |
| <a href="#">show backup history</a> | Displays the success or failure of backup and restore procedures. |
| <a href="#">show backup server</a>  | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show backup history

### Syntax Description

This command has no arguments or keywords.

### Command Default

None

### Command Modes

Cisco UMG EXEC

### Command History

| Cisco UMG Version | Modification                |
|-------------------|-----------------------------|
| 1.0               | This command was introduced |

### 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.

### Examples

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

```
umg-1# show backup history

Start Operation
Category:      Configuration
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Backup
Backupid:      1
Restoreid:     -1
Description:   test backup 1
Date:          Sun Jun 13 12:23:38 PDT 1993
Result:        Failure
Reason:        Script execution failed: /bin/BR_VMConfig_backup.sh: returnvalue:1
               ; Server Url:ftp://192.0.2.24/UMG_backup: returnvalue:9 Unable to authenticate
#End Operation

#Start Operation
Category:      Data
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Backup
Backupid:      1
Restoreid:     -1
Description:   test backup 1
Date:          Sun Jun 13 12:23:44 PDT 1993
Result:        Failure
Reason:        Script execution failed: /bin/BR_VMDData_backup.sh: returnvalue:1
Backup failed; Server Url:ftp://192.0.2.24/UMG_backup: returnvalue:9
               Unable to authenticate
```

```

#End Operation

#Start Operation
Category:      Configuration
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Backup
Backupid:      2
Restoreid:     -1
Description:   UMG test backup
Date:          Sun Jun 13 12:32:48 PDT 1993
Result:        Success
Reason:
#End Operation

#Start Operation
Category:      Data
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Backup
Backupid:      2
Restoreid:     -1
Description:   UMG test backup
Date:          Sun Jun 13 12:32:57 PDT 1993
Result:        Success
Reason:
#End Operation

#Start Operation
Category:      Configuration
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Restore
Backupid:      2
Restoreid:     1
Description:
Date:          Sun Jun 13 12:37:52 PDT 1993
Result:        Success
Reason:
#End Operation

#Start Operation
Category:      Data
Backup Server: ftp://192.0.2.24/UMG_backup
Operation:     Restore
Backupid:      2
Restoreid:     1
Description:
Date:          Sun Jun 13 12:38:00 PDT 1993
Result:        Success
Reason:
#End Operation

```

Table 2 describes the significant fields shown in the display.

**Table 2** *show backup history Field Descriptions*

| Field         | Description                                                         |
|---------------|---------------------------------------------------------------------|
| Category      | Specifies the type of file (data, configuration, or all) backed up. |
| Backup Server | Backup server location.                                             |
| Operation     | Type of operation performed.                                        |
| Backupid      | ID of the backup file.                                              |

**Table 2**      *show backup history Field Descriptions (continued)*

| Field       | Description                                                           |
|-------------|-----------------------------------------------------------------------|
| Restoreid   | ID to use to restore this 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. |

**Related Commands**

| Command                            | Description                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| <a href="#">backup category</a>    | Specifies the type of data to back up and initiates the backup process.                       |
| <a href="#">backup revisions</a>   | Sets the number of backup files to store and/or the FTP server to which they are to be saved. |
| <a href="#">restore id</a>         | Restores a backup file.                                                                       |
| <a href="#">show backup server</a> | Displays the details of the most recent backup files.                                         |



# show backup server

To display the details of the most recent backup files, use the **show backup server** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show backup server

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | 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 <a href="#">show backup history</a> command. |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| <b>Examples</b> | The following is sample output for the <b>show backup server</b> 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 3](#) describes the significant fields shown in the display.

**Table 3** *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                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------|
| <a href="#">backup category</a>     | Specifies the type of data to be backed up and initiates the backup process.                  |
| <a href="#">backup revisions</a>    | Sets the number of backup files to store and/or the ftp server to which they are to be saved. |
| <a href="#">restore id</a>          | Restores a backup file.                                                                       |
| <a href="#">show backup history</a> | Displays the success or failure of backup and restore procedures.                             |

# show broadcast location

To display any subscribers who are authorized to send System Broadcast Messages (SBMs) to a specified endpoint, use the **show broadcast location** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show broadcast location** *location-id* **privilege**

| Syntax Description | <i>location-id</i> | Numeric string that functions as a system-wide unique identifier (range: 1-10 digits). |
|--------------------|--------------------|----------------------------------------------------------------------------------------|
|--------------------|--------------------|----------------------------------------------------------------------------------------|

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

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

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

| Usage Guidelines | <ul style="list-style-type: none"> <li>The authorized sender has the privilege of being able to send System Broadcast Messages (SBMs) to all subscribers on any Cisco Unity or &lt;Abbreviation&gt;Cisco Unity Express endpoint, local or remote.</li> <li>The number the authorized sender dials to send an SBM is the endpoint's location ID.</li> <li>There is no limit on the number of subscribers to whom you can grant this privilege.</li> <li>Avaya Interchange does not support the SBM function.</li> </ul> |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Examples | The following example illustrates the use of the <b>show broadcast location</b> command: |
|----------|------------------------------------------------------------------------------------------|
|----------|------------------------------------------------------------------------------------------|

```
umg-1# show broadcast location 1234 privilege
A total of 1 Authorized Sender(s) have been found for location 1234:
4085550100
umg-1# end
```

| Related Commands | Command                            | Description                                                                                                                                                                                                           |
|------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <a href="#">broadcast-id</a>       | Provisions a broadcast VPIM ID to a local <Abbreviation>Cisco Unity Express or a local Cisco Unity endpoint so that authorized senders can send System Broadcast Messages (SBMs) to all subscribers on that endpoint. |
|                  | <a href="#">endpoint</a>           | Enters endpoint configuration mode to provision endpoints manually.                                                                                                                                                   |
|                  | <a href="#">broadcast location</a> | Enables a subscriber to send a System Broadcast Message (SBM) to all subscribers on a specified endpoint, whether local or remote.                                                                                    |



# show clock

To display clock statistics, use the **show clock** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show clock

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | Cisco UMG uses the Network Time Protocol (NTP) server for clocking functions. Use the <b>show clock</b> command to display the Cisco UMG clock status. |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| <b>Examples</b> | The following is sample output for the <b>show clock</b> 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 4](#) describes the significant fields shown in the display.

**Table 4** *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                                                        |
|------------------|----------------------------|--------------------------------------------------------------------|
|                  | <a href="#">ntp server</a> | Specifies the NTP server for Cisco UMG.                            |
|                  | <a href="#">show ntp</a>   | Displays the time source for a Network Time Protocol (NTP) server. |

# show configuration

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

## show configuration

**Syntax Description** This command has nor arguments or keywords.

**Command Default** None

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



# show ddr timeout

To display the timeout window whose elapse will result in a delayed delivery receipt (DDR), use the **show ddr timeout** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show ddr timeout**

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

| <b>Command History</b> | Cisco UMG Version | Modification                 |
|------------------------|-------------------|------------------------------|
|                        | 1.0               | This command was introduced. |

|                         |                                              |
|-------------------------|----------------------------------------------|
| <b>Usage Guidelines</b> | Use this command to display the DDR timeout. |
|-------------------------|----------------------------------------------|

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| <b>Examples</b> | The following example sets a DDR timeout, then displays it: |
|-----------------|-------------------------------------------------------------|

```
umg-1# config t
umg-1(config)# DDR timeout 2
umg-1(config)# end
umg-1# show DDR timeout
Timeout window for DDR is 2 hours
```

| <b>Related Commands</b> | Command                          | Description                                                                             |
|-------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
|                         | <a href="#">ddr timeout</a>      | Configures the amount of time that elapses before a DDR is sent.                        |
|                         | <a href="#">nldr timeout</a>     | Configures the amount of time that elapses before a non-delivery receipt (NDR) is sent. |
|                         | <a href="#">show ndr timeout</a> | Displays the amount of time that elapses before an NDR is sent.                         |

# show endpoint

To display a list of the endpoints in the system and their details or a specific endpoint's details, use the **show endpoint** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

```
show endpoint { local [ location-id | filter ] } | { network [ location-id | filter string ] }
```

## Syntax Description

|                      |                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>local</b>         | Endpoints for which the current configuring Cisco UMG is the primary or secondary messaging gateway.              |
| <b>network</b>       | Endpoints whose primary messaging gateways are peer Cisco UMGs.                                                   |
| <i>location-id</i>   | This is a numeric string that functions as a system-wide unique identifier (range: 1-10 digits).                  |
| <b>filter string</b> | The filter string. Any location ID containing the filter string is returned. Regular expression is not supported. |

## Command Default

None

## Command Modes

Cisco UMG EXEC

## Command History

| Cisco UMG Version | Modification                 |
|-------------------|------------------------------|
| 1.0               | This command was introduced. |

## Usage Guidelines

Use this command to display a list of endpoints on the Cisco UMG network, local or remote, or the details for a single specified endpoint, either local or remote.

If there are more than 50 endpoints on the network, you are prompted to provide a filter string.

## Examples

The following is sample output for the **show endpoint local** command.

```
umg-1# show endpoint local
```

A total of 7 local endpoint(s) have been found:

| Location ID | Location Prefix | Endpoint Type | Endpoint Status | Primary Gateway | Secondary Gateway |
|-------------|-----------------|---------------|-----------------|-----------------|-------------------|
| 40000       |                 | CUE           | Online          | 50000           |                   |
| 123         |                 | CUE           | Disabled        | 50000           |                   |
| 400001      |                 | CUE           | Disabled        | 50000           |                   |
| 400002      |                 | Interchange   | Disabled        | 50000           |                   |
| 999         |                 | Interchange   | Disabled        | 50000           |                   |
| 400000      |                 | Unity         | Disabled        | 50000           |                   |
| 5555        | 6505551010      | Unity         | Disabled        | 50000           |                   |

```
umg-1#
```

The following is sample output for the **show endpoint local location-id** command.

```

umg-1# show endpoint local 999
Location Id:          999
Hostname:             Interchange9
Domain:               sj.mycompany.com
Prefix:               408
NAT:                  Disabled
Type:                 Interchange
Primary Gateway ID:   50000
Secondary Gateway ID:
Status:               Disabled

umg-1# show endpoint local 40000
Location Id:          40000
Hostname:             1.1.1.2
Domain:               1.1.1.2
Prefix:
NAT:                  Disabled
Type:                 CUE
Broadcast VPIM ID:    vpim-broadcast
Primary Gateway ID:   50000
Secondary Gateway ID:
Status:               Auto-Registered-Online

umg-1#

```

The following is sample output for the **show endpoint network** command.

```

umg-1# show endpoint network
A total of 20 network endpoint(s) have been found:

```

| Location ID | Location Prefix | Endpoint Type | Primary Gateway | Secondary Gateway |
|-------------|-----------------|---------------|-----------------|-------------------|
| 1           | 408101          | CUE           | 51000           |                   |
| 10          | 408110          | CUE           | 51000           |                   |
| 100         | 408200          | CUE           | 51000           |                   |
| 101         | 408201          | CUE           | 51000           |                   |
| 102         | 408202          | CUE           | 51000           |                   |
| 103         | 408203          | CUE           | 51000           |                   |
| 104         | 408204          | CUE           | 51000           |                   |
| 105         | 408205          | CUE           | 51000           |                   |
| 106         | 408206          | CUE           | 51000           |                   |
| 107         | 408207          | CUE           | 51000           |                   |
| 108         | 408208          | CUE           | 51000           |                   |
| 109         | 408209          | CUE           | 51000           |                   |
| 11          | 408111          | CUE           | 51000           |                   |
| 110         | 408210          | CUE           | 51000           |                   |
| 111         | 408211          | CUE           | 51000           |                   |
| 112         | 408212          | CUE           | 51000           |                   |
| 113         | 408213          | CUE           | 51000           |                   |
| 114         | 408214          | CUE           | 51000           |                   |
| 115         | 408215          | CUE           | 51000           |                   |
| 116         | 408216          | CUE           | 51000           |                   |

```

umg-1

```

The following is sample output for the **show endpoint network location-id** command.

```

umg-1# show endpoint network 115
Location Id:          115
Hostname:             1.1.1.2
Domain:               cuesim1
Prefix:               408555
Type:                 CUE

```

```

Broadcast VPIM ID:      vpim-broadcast
Primary Gateway ID:    51000
Secondary Gateway ID:

umg-1# show endpoints network filter 1111
3 endpoints have been found.
1111
1112
1113

```

Table 5 describes the categories of information shown in the display.

**Table 5** *show endpoint Field Descriptions*

| Field                | Description                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Location ID          | Endpoint's location ID.                                                                                            |
| Hostname             | Endpoint's hostname or IP address.                                                                                 |
| Domain               | Endpoint's domain name or IP address.                                                                              |
| (Location) Prefix    | Dialing prefix for endpoint.                                                                                       |
| (Endpoint) Type      | Type of endpoint: CUE (<Abbreviation>Cisco Unity Express), Unity (Cisco Unity) or Interchange (Avaya Interchange). |
| Broadcast VPIM ID    | Number that authorized sender dials to send broadcast messages.                                                    |
| Primary Gateway ID   | Location ID of the primary Cisco UMG.                                                                              |
| Secondary Gateway ID | Location ID of the secondary Cisco UMG (not supported by Avaya Interchange endpoints).                             |
| (Endpoint) Status    | Indicates whether registered or blocked (not relevant for Cisco Unity or Avaya Interchange).                       |
| Serial-number        | Serial number of the endpoint (not relevant for <Abbreviation>Cisco Unity Express).                                |

#### Related Commands

| Command                                     | Description                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">block location-id</a>           | Prevents an endpoint of the type Cisco Unity Express 3.1 and later versions from autoregistering.                                  |
| <a href="#">broadcast-id</a>                | Provisions a broadcast VPIM ID to local endpoints of the type Cisco Unity Express 3.0 and earlier versions.                        |
| <a href="#">broadcast location</a>          | Enables a subscriber to send a System Broadcast Message (SBM) to all subscribers on a specified endpoint, whether local or remote. |
| <a href="#">domain</a>                      | Provisions the domain name of an endpoint to Cisco UMG.                                                                            |
| <a href="#">endpoint</a>                    | Enters endpoint configuration mode to provision endpoints manually.                                                                |
| <a href="#">hostname (endpoint)</a>         | Specifies the hostname of an endpoint you are provisioning manually.                                                               |
| <a href="#">messaging-gateway secondary</a> | Specifies a secondary messaging gateway.                                                                                           |

| Command                      | Description                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">prefix</a>       | Specifies the telephone number prefix for an endpoint you are provisioning manually.                                            |
| <a href="#">registration</a> | Enters registration configuration mode to configure autoregistration parameters for Cisco Unity Express 3.1 and later versions. |

# show hosts

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

## show hosts

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

**Command Default** None

**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                                                         |
|------------------|-------------------------------------------------|---------------------------------------------------------------------|
|                  | <a href="#">hostname</a>                        | Specifies the local Cisco UMG's hostname.                           |
|                  | <a href="#">ip domain-name</a>                  | Specifies the Cisco UMG domain-name and/or DNS server(s).           |
|                  | <a href="#">network local messaging-gateway</a> | Specifies the location ID of the local messaging gateway.           |
|                  | <a href="#">network messaging-gateway</a>       | Specifies the location ID and hostname for peer messaging gateways. |

# show ip

To display the IP routing table or the DNS cache, use the **show ip** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show ip { route | dns cache }**

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

**Command Default** None

**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** 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  |

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>

Table 6 describes the significant fields shown in the display.

**Table 6** *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                                                   |
|--------------------------------|---------------------------------------------------------------|
| <a href="#">hostname</a>       | Specifies the hostname for the current configuring Cisco UMG. |
| <a href="#">ip name-server</a> | Specifies the domain name server.                             |
| <a href="#">ntp server</a>     | Specifies the NTP clocking server.                            |
| <a href="#">show hosts</a>     | Displays all configured hosts.                                |



# show list

To display a list of the system distribution lists (SDLs) that are configured, use the **show list** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode or list manager mode.

**show list** { *number* | **filter** | **name** *string* }

|                           |                           |                                                                                                          |
|---------------------------|---------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <i>number</i>             | This is the SDL number, which the subscriber dials to send a message to the list.                        |
|                           | <b>filter</b>             | This is the SDL number filter: for example, use “22” to find all SDLs whose numbers contain that string. |
|                           | <b>name</b> <i>string</i> | This is the (optional) SDL name                                                                          |

**Command Default** None

**Command Modes** Cisco UMG list manager (listmgr)  
Cisco UMG EXEC

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modifications</b>         |
|                        | 1.0                      | This command was introduced. |

**Usage Guidelines**

If an SDL has been configured with a name, that name is displayed.

SDL synchronization across the Cisco UMG system implements version numbers. Each SDL has a tracking version number. Changes to SDL lists will increment the number and this version number can be used to indicate whether multiple messaging gateways’ SDL configurations are synchronized .

If no SDLs are configured, the system indicates that.

**Examples** The following is sample output from the **show list** command in both list manager and EXEC modes:

```
umg-1> list-manager
Locking system distribution lists...[OK]

**WARNING** This UMG may have outdated SDL, please check the listed SDL version
and publish from which ever seems most correct.
  local sdl version last updated: Oct 16, 2007 5:17:30 AM
  remote sdl version last updated: Oct 19, 2007 7:04:44 AM

  SDL-Version                Last-Updated                List-Of-Remote-Gateways
  -----
  * 57000_20071019070444      Oct 19, 2007 7:04:44 AM    57000
  -----

umg-1(listmgr)> show list
The version of system distribution list is 101_20071016051730.
```

A total of 1 System Distribution List(s) have been found:

| Extension | Name      |
|-----------|-----------|
| 100       | SDL_04_20 |

umg-1(listmgr)> **end**

Unlocking system distribution lists...[OK]

umg-1 **show list**

The version of system distribution list is 101\_20071016051730.

A total of 1 System Distribution List(s) have been found:

| Extension | Name      |
|-----------|-----------|
| 100       | SDL_04_20 |

umg-1>

The following is sample output for the **show list name** command:

umg-1# **list-manager**

umg-1(listmgr)# **show list name sample-list**

Extension: 1234

Name: sample-list

Member(s): None

umg-1

## Related Commands

| Command                                    | Description                                                            |
|--------------------------------------------|------------------------------------------------------------------------|
| <a href="#">list-manager</a>               | Enters list configuration mode in order to configure an SDL in detail. |
| <a href="#">list number</a>                | Creates an SDL.                                                        |
| <a href="#">list publish</a>               | Publishes one or more SDLs to peer messaging gateways.                 |
| <a href="#">member</a>                     | Assigns members to an SDL.                                             |
| <a href="#">name</a>                       | Assigns a name to an SDL.                                              |
| <a href="#">privilege</a>                  | Configures an authorized sender to an SDL.                             |
| <a href="#">show list privilege</a>        | Displays the authorized sender to a specific SDL.                      |
| <a href="#">show list tracking version</a> | Displays an SDL tracking version.                                      |

# show list privilege

To display the mailbox number of the authorized sender to a specific system distribution list (SDL), use the **show list privilege** command in Cisco Unified Messaging Gateway (Cisco UMG) list manager mode.

**show list privilege** *number*

|                           |               |                                                                                                  |
|---------------------------|---------------|--------------------------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <i>number</i> | SDL number, which is the number an authorized subscriber dials to address a message to this SDL. |
|---------------------------|---------------|--------------------------------------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                                                    |
|----------------------|----------------------------------------------------|
| <b>Command Modes</b> | Cisco UMG list manager (listmgr)<br>Cisco UMG EXEC |
|----------------------|----------------------------------------------------|

| <b>Command History</b> | Cisco UMG Version | Modifications                |
|------------------------|-------------------|------------------------------|
|                        | 1.0               | This command was introduced. |

|                         |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | The command displays the list name if applicable, list number, and members, and additionally, type of member, whether subscriber or another list.<br><br>An error message appears if the specified list does not exist. |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Examples</b> | The following is sample output from the <b>show list privilege</b> command:<br><br>umg-1# <b>list-manager</b><br>umg-1(listmgr)# <b>show list privilege 1234</b><br>1 authorized sender(s) has been found for system distribution list 1234<br><br>4505550111 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| <b>Related Commands</b> | Command                      | Description                                                            |
|-------------------------|------------------------------|------------------------------------------------------------------------|
|                         | <a href="#">list-manager</a> | Enters list configuration mode in order to configure an SDL in detail. |
|                         | <a href="#">list number</a>  | Creates an SDL.                                                        |
|                         | <a href="#">list publish</a> | Publishes one or more SDLs to peer messaging gateways.                 |
|                         | <a href="#">member</a>       | Assigns members to an SDL.                                             |
|                         | <a href="#">name</a>         | Assigns a name to an SDL.                                              |
|                         | <a href="#">privilege</a>    | Configures an authorized sender to an SDL.                             |

| Command                                    | Description                       |
|--------------------------------------------|-----------------------------------|
| <a href="#">show list</a>                  | Displays configured SDLs.         |
| <a href="#">show list tracking version</a> | Displays an SDL tracking version. |

# show list tracking version

To display a system distribution list (SDL) tracking version, use the **show list tracking version** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show list tracking version

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | Use this command to find out whether two messaging gateways are in synch as regards an SDL. |
|-------------------------|---------------------------------------------------------------------------------------------|

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| <b>Examples</b> | The following examples illustrate the use of the <b>show list tracking version</b> command: |
|-----------------|---------------------------------------------------------------------------------------------|

|                                              |
|----------------------------------------------|
| <pre>umg-1# show list tracking version</pre> |
|----------------------------------------------|

|                                    |
|------------------------------------|
| <pre>Tracking version is 100</pre> |
|------------------------------------|

|                         |                                     |                                                                        |
|-------------------------|-------------------------------------|------------------------------------------------------------------------|
| <b>Related Commands</b> | <b>Command</b>                      | <b>Description</b>                                                     |
|                         | <a href="#">list-manager</a>        | Enters list configuration mode in order to configure an SDL in detail. |
|                         | <a href="#">list number</a>         | Creates an SDL                                                         |
|                         | <a href="#">list publish</a>        | Publishes one or more SDLs to peer messaging gateways.                 |
|                         | <a href="#">member</a>              | Assigns members to an SDL.                                             |
|                         | <a href="#">name</a>                | Assigns a name to an SDL                                               |
|                         | <a href="#">privilege</a>           | Configures an authorized sender to an SDL.                             |
|                         | <a href="#">show list</a>           | Displays configured SDLs.                                              |
|                         | <a href="#">show list privilege</a> | Displays the authorized sender to a specific SDL.                      |

# show log name

To display logging data, use the **show log name** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

|                           |                                     |                                                                                                                 |
|---------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <i>word</i>                         | The name of the log file to display. Use the <b>show logs</b> command to display a list of available log files. |
|                           | <b>containing</b> <i>expression</i> | (Optional) Only display events that match a search expression.                                                  |
|                           | <b>paged</b>                        | (Optional) Display in paged mode.                                                                               |
|                           | <b>tail</b>                         | (Optional) Display the latest events as they occur.                                                             |
|                           |                                     |                                                                                                                 |

**Command Default** None

**Command Modes** Cisco UMG EXEC

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

**Usage Guidelines**

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: 000000000f580000 - 000000000f600000 (reserved)
BIOS-e820: 000000000f600000 - 0000000010000000 (reserved)
BIOS-e820: 00000000fff00000 - 0000000100000000 (reserved)
245MB LOWMEM available.
On node 0 totalpages: 62848
zone(0): 4096 pages.
zone(1): 58752 pages.
zone(2): 0 pages.
DMI not present.
Kernel command line: root=/dev/hda1 ro plat=nm
Initializing CPU#0
Detected 498.674 MHz processor.
Calibrating delay loop... 996.14 BogoMIPS
Memory: 245128k/251392k available (1164k kernel code, 4852k reserved, 667k data)
kDb version 4.3 by Keith Owens, Scott Lurndal. Copyright SGI, All Rights Reserved
in atrace_init
log_head: h: 0, t: 8429274, l: 0, w: 0, s: 10484672
Using existing trace log
log_head: h: 0, t: 8429274, l: 0, w: 0, s: 10484672
Dentry cache hash table entries: 32768 (order: 6, 262144 bytes)
Inode cache hash table entries: 16384 (order: 5, 131072 bytes)
Mount cache hash table entries: 512 (order: 0, 4096 bytes)
Buffer cache hash table entries: 16384 (order: 4, 65536 bytes)
Page-cache hash table entries: 65536 (order: 6, 262144 bytes)
CPU: L1 I cache: 16K, L1 D cache: 16K
CPU: L2 cache: 256K
CPU serial number disabled.
.
.
```

The following 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                                                      |
|---------------------------------------|------------------------------------------------------------------|
| <a href="#">log console</a>           | Configures the types of messages to be displayed on the console. |
| <a href="#">log console monitor</a>   | Displays system messages on the console.                         |
| <a href="#">log server address</a>    | Specifies an external server for saving log messages.            |
| <a href="#">log trace boot</a>        | Saves the trace configuration on rebooting.                      |
| <a href="#">log trace buffer save</a> | Saves the current trace information.                             |
| <a href="#">show logging</a>          | Shows the types of messages that are displayed on the console.   |
| <a href="#">show logs</a>             | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show logging

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | <p>Filtering options:</p> <p><b>show begin:</b> Begins the output of any <b>show</b> command from a specified string.</p> <p><b>show exclude:</b> Filters <b>show</b> command output so that it excludes lines that contain a particular regular expression.</p> <p><b>show include:</b> Filters <b>show</b> command output so that it displays only lines that contain a particular regular expression.</p> |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Examples</b> | <p>The following displays the output for the <b>show logging</b> command when errors and fatal messages are displayed on the console.</p> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|

```
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                                                      |
|---------------------------------------|------------------------------------------------------------------|
| <a href="#">log console</a>           | Configures the types of messages to be displayed on the console. |
| <a href="#">log console monitor</a>   | Displays system messages on the console.                         |
| <a href="#">log server address</a>    | Specifies an external server for saving log messages.            |
| <a href="#">log trace boot</a>        | Saves the trace configuration on rebooting.                      |
| <a href="#">log trace buffer save</a> | Saves the current trace information.                             |
| <a href="#">show log name</a>         | Displays a specified log.                                        |
| <a href="#">show logs</a>             | Displays the list of available logs.                             |

# show logs

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

**show logs**

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

| <b>Command History</b> | Cisco UMG Version | Modification                 |
|------------------------|-------------------|------------------------------|
|                        | 1.0               | This command was introduced. |

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | Filtering options:                                                                                                                   |
|                         | <b>show begin:</b> Begins the output of any <b>show</b> command from a specified string.                                             |
|                         | <b>show exclude:</b> Filters <b>show</b> command output so that it excludes lines that contain a particular regular expression.      |
|                         | <b>show include:</b> Filters <b>show</b> command output so that it displays only lines that contain a particular regular expression. |

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| <b>Examples</b> | 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
```

| <b>Related Commands</b> | Command                        | Description                       |
|-------------------------|--------------------------------|-----------------------------------|
|                         | <a href="#">log trace boot</a> | Configures trace logging options. |

# show memory

To display memory information for the Cisco Unified Messaging Gateway (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 Default** None

**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 7](#) describes the significant fields shown in the display.

**Table 7** *show memory Field Descriptions*

| Field                | Description                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total Memory (KB)    | Total amount of memory available to the kernel.<br><br><b>Note</b> 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.                                                                                                                      |

**Table 7** *show memory Field Descriptions (continued)*

| Field                | Description                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MemoryPool (kB)      | Memory not allocated for any use.                                                                                                                                |
| <b>Kernel Memory</b> |                                                                                                                                                                  |
| TOTAL                | Amount of memory reserved for this type.                                                                                                                         |
| 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"><li>• fs—File system</li><li>• net—Network protocols</li><li>• other—All other types</li></ul> |

**Related Commands**

| Command                        | Description                                                        |
|--------------------------------|--------------------------------------------------------------------|
| <a href="#">show processes</a> | Displays subsystem status and statistics for the Cisco UMG module. |

# show messaging-gateway

To display details for any or all messaging gateways - including the network peer messaging gateways and the current configuring messaging gateway - use the **show messaging-gateway** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show messaging-gateway** [ *location-id* ]

| Syntax Description | <i>location-id</i> | This is a numeric string that functions as a system-wide unique identifier (range: 1-10 digits). |
|--------------------|--------------------|--------------------------------------------------------------------------------------------------|
|--------------------|--------------------|--------------------------------------------------------------------------------------------------|

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

| Command Modes | Cisco UMG EXEC. |
|---------------|-----------------|
|---------------|-----------------|

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

| Usage Guidelines | Use this command to display details for all the messaging gateways in the network or for a specified messaging gateway: its location ID, its hostname, and whether NAT is enabled or disabled. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Examples | The following is sample output for the <b>show messaging-gateway</b> command: |
|----------|-------------------------------------------------------------------------------|
|----------|-------------------------------------------------------------------------------|

```
umg-1# show messaging-gateway 101
Location ID      Hostname      NAT
101              1,100.1.1    disabled
Local Gateway ID: 101
umg-1#
```

| Related Commands | Command                                         | Description                                                  |
|------------------|-------------------------------------------------|--------------------------------------------------------------|
|                  | <a href="#">network local messaging-gateway</a> | Specifies the location ID of the local messaging gateway.    |
|                  | <a href="#">nat location</a>                    | Configures NAT entries for messaging gateways and endpoints. |
|                  | <a href="#">network messaging-gateway</a>       | Configures peer messaging gateways.                          |
|                  | <a href="#">show nat location</a>               | Lists out configured NAT entries                             |

# show nat location

To list out configured NAT entries, use the **show nat location** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show nat location** *location-id*

| Syntax Description | <i>location-id</i> | A numeric string that functions as a system-wide unique identifier (range: 1-10 digits). |
|--------------------|--------------------|------------------------------------------------------------------------------------------|
|--------------------|--------------------|------------------------------------------------------------------------------------------|

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

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

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

## Examples

The following example illustrates the use of the **show nat location** command:

```
umg-1# config t
Enter configuration commands, one per line.  End with CNTL/Z.
umg-1(config)# nat location 777777
umg-1(config-nat)# http external 192.0.2.24
umg-1(config-nat)# end
umg-1(config)# end
umg-1# show nat location 777777
Protocol      Ext-IP          Ext-Port
-----
HTTP 192.0.2.24 26

umg-1#
```

| Related Commands | Command                                | Description                                                                               |
|------------------|----------------------------------------|-------------------------------------------------------------------------------------------|
|                  | <a href="#">http external</a>          | Configures NAT entries for HTTP for endpoints and messaging gateways.                     |
|                  | <a href="#">nat location</a>           | Enters NAT configuration mode to set up NAT entries for endpoints and messaging gateways. |
|                  | <a href="#">show messaging-gateway</a> | Displays details for any or all messaging gateways in the system.                         |
|                  | <a href="#">vpim external</a>          | Configures NAT entries for VPIM for endpoints and messaging gateways.                     |

# show ndr timeout

To display the timeout window whose elapse will result in a non-delivery receipt (NDR), use the **show ndr timeout** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show ndr timeout**

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

**Command Default** None

**Command Modes** Cisco UMG configuration EXEC

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

**Usage Guidelines** Use this command to display the NDR timeout. If the NDR is not set, the timeout shown is 6 hours.

**Examples** The following example sets an NDR timeout, then displays it:

```
umg-1# config t
umg-1(config)# NDR timeout 12
umg-1(config)# exit
umg-1# show NDR timeout
Timeout window for NDR is 12 hours
```

| Related Commands | Command                          | Description                                                                                 |
|------------------|----------------------------------|---------------------------------------------------------------------------------------------|
|                  | <a href="#">ddr timeout</a>      | Configures the amount of time that elapses before a delayed delivery receipt (DDR) is sent. |
|                  | <a href="#">ndr timeout</a>      | Configures the amount of time that elapses before an NDR is sent.                           |
|                  | <a href="#">show ddr timeout</a> | Displays the amount of time that elapses before a delayed delivery receipt (DDR) is sent.   |



# show network default-route

To display the default destination for messages that Cisco Unified Messaging Gateway (Cisco UMG) cannot deliver, use the **show network default-route** command in Cisco UMG EXEC mode.

**show network default-route**

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | Use this command to display the default destination (either an endpoint or a peer messaging gateway) where a message is sent if the system cannot deliver it. |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| <b>Examples</b> | The following example illustrates the use of the <b>show network default-route</b> command: |
|-----------------|---------------------------------------------------------------------------------------------|

```
umg-1# config
umg-1(config)# network default-route 777
umg-1(config)# end
umg-1# show network default-route
Default route is location 777.
umg-1#
```

|                         |                                       |                                                                                 |
|-------------------------|---------------------------------------|---------------------------------------------------------------------------------|
| <b>Related Commands</b> | <b>Command</b>                        | <b>Description</b>                                                              |
|                         | <a href="#">network default-route</a> | Configures the default destination for messages that the system cannot deliver. |

# show ntp

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

**show ntp [ detail ]**

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <b>detail</b> (Optional) Displays detailed information about the NTP servers. |
|---------------------------|-------------------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|------------------------|--------------------------|------------------------------|
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | This command displays the chain of NTP servers back to their primary time source, starting from the local host. |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Examples</b> | The following is sample output for the <b>show ntp</b> 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 8](#) describes the significant fields shown in the display.

**Table 8** *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"> <li>0—Unspecified</li> <li>1—Primary clock reference</li> <li>2–255—Secondary reference via NTP</li> </ul> |
| 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 9 describes the significant fields shown in the display.

**Table 9** *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"> <li>0—Unspecified</li> <li>1—Primary clock reference</li> <li>2–255—Secondary reference via NTP</li> </ul>                                                                                               |
| 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"> <li>00—No warning</li> <li>01—Last minute was 61 seconds</li> <li>10—Last minute was 59 seconds</li> <li>11—Alarm condition (clock not synchronized)</li> </ul> |
| refid          | IP address of the peer selected for synchronization.                                                                                                                                                                                                                                                        |
| delay          | Round-trip delay of the packet, in milliseconds.                                                                                                                                                                                                                                                            |
| dispersion     | Measure, in milliseconds, of how scattered the time offsets have been from a given time server.                                                                                                                                                                                                             |
| offset         | Time offset between the host and the local host, in seconds.                                                                                                                                                                                                                                                |
| rootdelay      | Total round-trip delay, in seconds, to the primary reference source at the root of the synchronization subnet.                                                                                                                                                                                              |
| rootdispersion | Maximum error, in seconds, relative to the primary reference source at the root of the synchronization subnet.                                                                                                                                                                                              |

**Table 9** *show ntp detail Field Descriptions (continued)*

| Field               | Description                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| synch dist          | Host synchronization distance, which is the estimated error relative to the primary source.                                                 |
| reference time      | Local time, in time-stamp format, when the local clock was last updated. If the local clock has never been synchronized, the value is zero. |
| originate timestamp | Local time, in time-stamp format, at the peer when its latest NTP message was sent. If the peer becomes unreachable, the value is zero.     |
| transmit timestamp  | Local time, in time-stamp format, when the latest NTP message from the peer arrived. If the peer becomes unreachable, the value is zero.    |

**Related Commands**

| Command                    | Description                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------|
| <a href="#">ntp server</a> | Configures the Network Time Protocol (NTP) server to keep the system time synchronized with the NTP server. |
| <a href="#">show clock</a> | Displays clock statistics.                                                                                  |

# show processes

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

**show processes [cpu | memory]**

|                           |               |                                           |
|---------------------------|---------------|-------------------------------------------|
| <b>Syntax Description</b> | <b>cpu</b>    | (Optional) Displays CPU time.             |
|                           | <b>memory</b> | (Optional) Displays process memory usage. |

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|------------------------|--------------------------|------------------------------|
|                        | 1.0                      | This command was introduced. |

|                         |                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | The output of this command is most useful to technical support personnel diagnosing problems. |
|-------------------------|-----------------------------------------------------------------------------------------------|

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| <b>Examples</b> | The following is sample output from the <b>show processes</b> 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 rbc
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 10 describes the fields shown in the **show processes** command output.

**Table 10** *show process Field Descriptions*

| Field  | Description                                                                                                                                                                                                                                                                     |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State  | There are two possible states: <ul style="list-style-type: none"> <li>online—The subsystem is ready to handle requests.</li> <li>ready-to-go-online—The subsystem is ready, but the main processing system has not brought the subsystem online.</li> </ul>                     |
| Health | There are two possible health conditions: <ul style="list-style-type: none"> <li>alive—The primary thread of the process exists.</li> <li>dead—The primary thread of the process does not exist. Usually, a dead primary thread will cause the subsystem to restart.</li> </ul> |
| CMD    | The name of the subsystem.                                                                                                                                                                                                                                                      |

Table 11 describes the fields shown in the **show processes cpu** command output.

**Table 11** *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 12 describes the fields shown in the **show process memory** command output.

**Table 12** *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                  |
|-----------------------------|------------------------------|
| <a href="#">show memory</a> | Displays memory information. |

# show registration

To display the registration configurations and endpoint registration status on the current configuring messaging gateway, use the **show registration** command in Cisco Unified Messaging Gateway (Cisco UMG EXEC mode).

**show registration { block | status | users }**

|                           |               |                                                                                     |
|---------------------------|---------------|-------------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <b>block</b>  | Endpoints that are blocked; that is, prevented from registering.                    |
|                           | <b>status</b> | Status of registered endpoints: autoregistered, offline, unreachable, deregistered. |
|                           | <b>users</b>  | Endpoint's registration credentials: username and password.                         |

**Command Default** None

**Command Modes** Cisco UMG EXEC

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

## Examples

The following example illustrates the use of the **show registration** command:

```
umg-1# show registration users
```

```
umg registration users :
username 1234
username aaaa
```

```
umg-1# show registration block
```

```
umg registration block list :
location-id 34
location-id 12
```

```
umg-1# show registration status
Endpoint registration stats :
Auto-registered : 1
Offline : 2
Total number : 3
```

```
Auto-registered endpoint :
Loc. 23 : cue, registered at
Tue Aug 21 17:09:08 PDT 2007
```

```
Offline auto-registered endpoint :
Loc. 34 : cue, unreachable
Loc. 35 : cue, deregistered
```



**Table 13** *show registration Field Descriptions*

| Field          | Description                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| username       | Endpoint registration credential.                                                                                                                  |
| location-id    | Location ID for endpoints that are blocked.                                                                                                        |
| autoregistered | Description of autoregistered endpoints. Subfields: Location ID, type (Cisco Unity Express 3.1 and later versions), time and date of registration. |
| Offline        | Description of endpoints that are offline. Subfields: Location ID, type, comment (for example, “unreachable”).                                     |

**Related Commands**

| Command                  | Description                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>block location-id</b> | Specifies a Cisco Unity Express 3.1 and later versions endpoint that will be prevented from registering with Cisco UMG.                  |
| <b>expiration</b>        | Specifies the registration lifetime of autoregistered <Abbreviation>Cisco Unity Express endpoints.                                       |
| <b>registration</b>      | Enters registration configuration mode in order to configure autoregistration parameters for Cisco Unity Express 3.1 and later versions. |
| <b>show endpoint</b>     | Displays a list of endpoints and their details or a specific endpoint’s details.                                                         |
| <b>username</b>          | Specifies the registration credentials for autoregistering Cisco Unity Express 3.1 and later versions.                                   |

# show running-config

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

**show running-config [ paged ]**

| <b>Syntax Description</b> | <b>paged</b> (Optional) Displays enough output to fill the current viewing screen.                                                     |                   |              |     |                              |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----|------------------------------|
| <b>Command Default</b>    | None                                                                                                                                   |                   |              |     |                              |
| <b>Command Modes</b>      | Cisco UMG EXEC                                                                                                                         |                   |              |     |                              |
| <b>Command History</b>    | <table> <tr> <th>Cisco UMG Version</th><th>Modification</th></tr> <tr> <td>1.0</td><td>This command was introduced.</td></tr> </table> | Cisco UMG Version | Modification | 1.0 | This command was introduced. |
| 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. Use the **paged** keyword to display the output in screen-length pages.

**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
sEuSAEfw40XlF2eFHzfyUTSd8ZZNgd+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 "+EdggXXrwvT
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
lk2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHf
mP"
  end registration

end
umg-1#

```

## Related Commands

| Command                              | Description                                                    |
|--------------------------------------|----------------------------------------------------------------|
| <a href="#">copy ftp</a>             | Copies network FTP server data to another location.            |
| <a href="#">copy running-config</a>  | Copies the running configuration to another location.          |
| <a href="#">copy startup-config</a>  | Copies the startup configuration to another location.          |
| <a href="#">copy tftp</a>            | Copies network TFTP server data to another location.           |
| <a href="#">erase startup-config</a> | Deletes the startup configuration.                             |
| <a href="#">log server address</a>   | Configures external log server.                                |
| <a href="#">show startup-config</a>  | Displays the startup configuration.                            |
| <a href="#">write</a>                | Copies the running configuration to the startup configuration. |

# show software

To display the characteristics of the installed software, use the **show software** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

## Syntax Description

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| <b>directory</b>       | Displays the software directory.                                           |
| <b>download server</b> | Displays the IP address of the FTP server.                                 |
| <b>packages</b>        | Displays the configured Cisco UMG application packages.                    |
| <b>versions</b>        | 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                                                                  |
|------------------|-----------------------------------------|------------------------------------------------------------------------------|
|                  | <a href="#">backup category</a>         | Specifies the type of data to be backed up and initiates the backup process. |
|                  | <a href="#">copy ftp</a>                | Copies a new configuration from an FTP server to another Cisco UMG location. |
|                  | <a href="#">copy running-config</a>     | Copies the running configuration to another destination.                     |
|                  | <a href="#">copy startup-config</a>     | Copies the startup configuration to another destination.                     |
|                  | <a href="#">copy tftp</a>               | Copies the network TFTP server information to another destination.           |
|                  | <a href="#">restore factory default</a> | Restores the system to the factory defaults.                                 |
|                  | <a href="#">show startup-config</a>     | Displays the current startup configuration.                                  |
|                  | <a href="#">shutdown</a>                | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show software directory {download | downgrade}**

|                           |                  |                                           |
|---------------------------|------------------|-------------------------------------------|
| <b>Syntax Description</b> | <b>download</b>  | Displays download directory information.  |
|                           | <b>downgrade</b> | Displays downgrade directory information. |

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| <b>Usage Guidelines</b> | Cisco UMG 1.0.1 does not support downgrade files. |
|-------------------------|---------------------------------------------------|

|                 |                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------|
| <b>Examples</b> | The following is sample output for the <b>show software directory download</b> 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#
```

|                         |                                                            |                                                   |
|-------------------------|------------------------------------------------------------|---------------------------------------------------|
| <b>Related Commands</b> | <b>Command</b>                                             | <b>Description</b>                                |
|                         | <a href="#">software download</a><br><a href="#">clean</a> | Downloads software packages for installing later. |

# show spoken-name

To display spoken-name support on the local Cisco Unified Messaging Gateway (Cisco UMG), use the **show spoken-name** command in Cisco UMG EXEC mode.

**show spoken-name**

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

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

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage Guidelines</b> | <p>If spoken name support is disabled on Cisco UMG, the spoken names received from &lt;Abbreviation&gt;Cisco Unity Express and/or Cisco Unity will not be stored in the database.</p> <p>If the network link is slow, we recommend that you disable spoken name support.</p> <p>We strongly recommend that you set all messaging gateways consistently for spoken-name support, either all enabled or all disabled.</p> |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                     |
|-----------------|---------------------------------------------------------------------|
| <b>Examples</b> | The following is an example of the <b>show spoken-name</b> command: |
|-----------------|---------------------------------------------------------------------|

```
umg-1# show spoken-name
Spoken-name is enabled
```

| Related Commands | Command                     | Description                              |
|------------------|-----------------------------|------------------------------------------|
|                  | <a href="#">spoken-name</a> | Enables spoken-name support on Cisco UMG |

# show startup-config

To display the current startup configuration, use the **show startup-config** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

**show startup-config [paged]**

| Syntax Description | <b>paged</b> | (Optional) Displays enough output to fill the current viewing screen. |
|--------------------|--------------|-----------------------------------------------------------------------|
|--------------------|--------------|-----------------------------------------------------------------------|

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

| 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 <b>show startup-config</b> 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
sEuSAEfw40XlF2ePHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfG
WTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmP"

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
XHCKplVV4KjescbDaLa4fl4WLSPFvv1rWUnfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8Z
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                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------|
| <a href="#">copy ftp</a>                | Copies a new configuration from an FTP server to another Cisco UMG location. |
| <a href="#">copy running-config</a>     | Copies the running configuration to another destination.                     |
| <a href="#">copy startup-config</a>     | Copies the startup configuration to another destination.                     |
| <a href="#">copy tftp</a>               | Copies the network TFTP server information to another destination.           |
| <a href="#">erase startup-config</a>    | Deletes startup configuration data.                                          |
| <a href="#">restore factory default</a> | Restores the system to the factory defaults.                                 |
| <a href="#">show running-config</a>     | Displays the running configuration.                                          |
| <a href="#">show startup-config</a>     | Displays the current startup configuration.                                  |
| <a href="#">shutdown</a>                | Displays the software version.                                               |
| <a href="#">write</a>                   | Copies the running configuration to the startup configuration.               |

# show statistics

To display a statistics report, use the `show statistics` command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## show statistics

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

**Command Default** None

**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                                                                                                                                             |
|------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <a href="#">ddr timeout</a>                                  | Configures a timeout window whose elapse will result in a delayed delivery receipt (DDR).                                                               |
|                  | <a href="#">directory exchange endpoint request</a>          | Manually forces data convergence between autoregistered endpoints and messaging gateways.                                                               |
|                  | <a href="#">directory exchange messaging-gateway request</a> | Manually forces data convergence between the current messaging gateway and its peers by requesting either full directory exchange or directory updates. |

| Command                                                   | Description                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">directory exchange messaging-gateway send</a> | Manually forces data convergence between the current messaging gateway and its peers, by sending either full directory exchange or directory updates. |
| <a href="#">ndr timeout</a>                               | Configures a timeout window whose elapse will result in a non- delivery receipt (NDR).                                                                |
| <a href="#">show ddr timeout</a>                          | Displays the timeout window whose elapse will result in a delayed delivery receipt (DDR).                                                             |
| <a href="#">show list</a>                                 | Displays a list of the system distribution lists (SDLs) that are configured.                                                                          |
| <a href="#">show list privilege</a>                       | Displays the authorized senders for SDLs.                                                                                                             |
| <a href="#">show ndr timeout</a>                          | Displays the timeout window whose elapse will result in a non-delivery receipt (NDR).                                                                 |
| <a href="#">show translation-rule</a>                     | Displays translation rules for the SMTP header for each supported endpoint.                                                                           |
| <a href="#">translation-rule</a>                          | Configures translation rules for both message header and SMTP header for each supported endpoint.                                                     |
| <a href="#">vpim external</a>                             | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

## Syntax Description

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

## Command Default

None

## 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.

Filtering options:

**show begin:** Begins the output of any **show** command from a specified string.

**show exclude:** Filters a **show** command output so that it excludes lines that contain a particular regular expression.

**show include:** Filters a **show** command output so that it displays only lines that contain a particular regular expression.

## 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> <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                                                           |
|---------------------------------------|-----------------------------------------------------------------------|
| <a href="#">log console</a>           | Configures the types of messages to be displayed on the console.      |
| <a href="#">log console monitor</a>   | Displays system messages on the console.                              |
| <a href="#">log server address</a>    | Specifies an external server for saving log messages.                 |
| <a href="#">log trace boot</a>        | Saves the trace configuration on rebooting.                           |
| <a href="#">log trace buffer save</a> | Saves the current trace information.                                  |
| <a href="#">show log name</a>         | Begins the output of any <b>show</b> command from a specified string. |
| <a href="#">show logging</a>          | Shows the types of messages that are displayed on the console.        |
| <a href="#">show logs</a>             | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

## Syntax Description

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

## Command Default

None

## 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.

Filtering options:

**show begin:** Begins the output of any **show** command from a specified string.

**show exclude:** Filters a **show** command output so that it excludes lines that contain a particular regular expression.

**show include:** Filters a **show** command output so that it displays only lines that contain a particular regular expression.

## 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                                              |
|---------------------------------------|----------------------------------------------------------|
| <a href="#">show log name</a>         | Displays the content of the specified log.               |
| <a href="#">show logs</a>             | Displays a list of the log files.                        |
| <a href="#">show trace store-prev</a> | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

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

**Command Default** None

**Command Modes** Cisco UMG EXEC

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 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.

Filtering options:

**show begin:** Begins the output of any **show** command from a specified string.

**show exclude:** Filters a **show** command output so that it excludes lines that contain a particular regular expression.

**show include:** Filters a **show** command output so that it displays only lines that contain a particular regular expression.

**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                                                   |
|----------------------------------|---------------------------------------------------------------|
| <a href="#">show log name</a>    | Displays the content of the specified log.                    |
| <a href="#">show logging</a>     | Displays the types of messages that are shown on the console. |
| <a href="#">show logs</a>        | Displays a list of the log files.                             |
| <a href="#">show trace store</a> | Displays a list of events from the atrace.log.prev file.      |

# show translation-rule

To display the translation rule for the message or SMTP header for each supported endpoint type, use the **show translation-rule** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

```
show translation-rule { smtp | message }
```

## Syntax Description

|                |                                           |
|----------------|-------------------------------------------|
| <b>message</b> | Display message header translation rules. |
| <b>smtp</b>    | Display SMTP header translation rules.    |

## Command Default

None

## Command Modes

Cisco UMG EXEC

## Command History

| Cisco UMG Version | Modification                 |
|-------------------|------------------------------|
| 1.0               | This command was introduced. |

## Usage Guidelines

<Abbreviation>Cisco Unity Express utilizes the 'SMTP Envelope To': data to route voice messages for delivery. Cisco Unity uses the 'Message Header To:' line, and Avaya Interchange uses the 'SMTP Envelop From:' and the 'Message Envelope From:'.

Do not manipulate the translation rules unless Cisco Tech Support instructs you to do so.

## Examples

The following example illustrates the use of the **show translation-rule** command.

```
umg-1# show translation-rule message
Message Translation Rules -
CUE
From User:          src-user
From Host:          src-host
To User:            dest-user
To Host:            dest-host
UNITY
From User:          src-user
From Host:          to-host
To User:            dest-user
To Host:            dest-host
INTERCHANGE
From User:          src-user
From Host:          umg-host
To User:            dest-user
To Host:            dest-host
UMG
From User:          src-user
From Host:          src-host
To User:            dest-user
To Host:            dest-host
```

```

umg-1# show translation-rule smtp
SMTP Translation Rules -
CUE
From User:          src-user
From Host:          src-host
To User:            dest-user
To Host:            dest-host
UNITY
From User:          src-user
From Host:          umg-host
To User:            dest-user
To Host:            dest-host
INTERCHANGE
From User:          src-user
From Host:          umg-host
To User:            dest-user
To Host:            dest-host
UMG
From User:          src-user
From Host:          src-host
To User:            dest-user
To Host:            dest-host

```

Table 14 lists the significant fields shown in the display.

**Table 14** *show translation-rule Field Descriptions*

| Field                     | Description                                                                     |
|---------------------------|---------------------------------------------------------------------------------|
| <b>message</b>            | Message header translation rules.                                               |
| <b>smtp</b>               | SMTP header translation rules.                                                  |
| <b>cue</b>                | Message or SMTP header translation rules for <Abbreviation>Cisco Unity Express. |
| <b>interchange</b>        | Message or SMTP header translation rules for Avaya Interchange.                 |
| <b>umg</b>                | Message or SMTP header translation rules for Cisco UMG.                         |
| <b>unity</b>              | Message or SMTP header translation rules for Cisco Unity.                       |
| <b>from-host</b>          | Src-host translation rules for an endpoint.                                     |
| <b>from-host text</b>     | Set source e-mail domain value.                                                 |
| <b>from-host umg-host</b> | Variable name used for src-host translation.                                    |
| <b>from-user</b>          | Src-user translation rules for an endpoint.                                     |
| <b>from-user umg-user</b> | Variable name used for src-user translation.                                    |
| <b>to-host</b>            | Dest-host translation rules for an endpoint.                                    |
| <b>to-host text</b>       | Set destination e-mail domain value.                                            |
| <b>to-host umg-host</b>   | Variable name used for dest-host translation.                                   |
| <b>to-user</b>            | Dest-user translation rules for an endpoint.                                    |
| <b>to-user umg-user</b>   | Variable name used for dest-user translation.                                   |

**Related Commands**

| Command                          | Description                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------|
| <a href="#">translation-rule</a> | Configures the translation rule for the message or SMTP header for each supported endpoint. |

# shutdown

To shut down the current configuring messaging gateway, use the **shutdown** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## shutdown

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Syntax Description</b> | This command has no arguments or keywords. |
|---------------------------|--------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Command Default</b> | None |
|------------------------|------|

|                      |                |
|----------------------|----------------|
| <b>Command Modes</b> | Cisco UMG EXEC |
|----------------------|----------------|

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 1.0                      | This command was introduced. |

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| <b>Usage Guidelines</b> | All registered endpoints will be marked “off-line”. |
|-------------------------|-----------------------------------------------------|

**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.

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| <b>Examples</b> | The following example illustrates the use of the <b>shutdown</b> command in Cisco UMG: |
|-----------------|----------------------------------------------------------------------------------------|

```
umg-1# shutdown
```

|                         |                         |                          |
|-------------------------|-------------------------|--------------------------|
| <b>Related Commands</b> | <b>Command</b>          | <b>Description</b>       |
|                         | <a href="#">offline</a> | Takes Cisco UMG offline. |
|                         | <a href="#">reload</a>  | Starts Cisco UMG.        |

# software download abort

To abort a download that is in progress, use the **software download abort** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## software download abort

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

**Command Default** None

**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                                    |
|------------------|-------------------------------------------|------------------------------------------------|
|                  | <a href="#">software download clean</a>   | Downloads a complete package to install later. |
|                  | <a href="#">software download status</a>  | Reports the status of a download in progress.  |
|                  | <a href="#">software download upgrade</a> | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

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

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

**Command Default** None

**Command Modes** Cisco UMG EXEC

|                        |                          |                              |
|------------------------|--------------------------|------------------------------|
| <b>Command History</b> | <b>Cisco UMG Version</b> | <b>Modification</b>          |
|                        | 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                                    |
|-------------------------------------------|------------------------------------------------|
| <a href="#">software download abort</a>   | Aborts a download that is in progress.         |
| <a href="#">software download status</a>  | Reports the status of a download in progress.  |
| <a href="#">software download upgrade</a> | Downloads an upgrade package to install later. |



# software download server

To configure the FTP server address on the Cisco Unified Messaging Gateway (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                    |  |                                                                                                |
|---------------------------------------|--|------------------------------------------------------------------------------------------------|
| <b>url ftp://server-ip-address</b>    |  | IP address of the FTP server.                                                                  |
| <b>/dir</b>                           |  | (Optional) The FTP directory on the server.                                                    |
| <b>username username</b>              |  | (Optional) Specifies the FTP username. If this option is not used, the default is “anonymous”. |
| <b>password password</b>              |  | (Optional) Specifies the FTP password.                                                         |
| <b>credentials hidden credentials</b> |  | (Optional) 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 | <p>The following is an example of setting the server information with just a root directory.</p> <pre>umg-1(config)# software download server url ftp://192.0.2.24/</pre> <p>The following is an example of setting the server information with a directory different than the root directory.</p> <pre>umg-1(config)# software download server url ftp://192.0.2.24/ftp_dir</pre> <p>The following is an example of setting the server information with a username and password.</p> <pre>umg-1(config)# software download server url ftp://192.0.2.24/ftp_dir username ftpuser password ftppassword</pre> <p>The following is an example of setting the server information with an encrypted credentials string.</p> <pre>umg-1(config)# software download server url ftp://192.0.2.24/ftp_dir credentials hidden +EdgXXrwvTekoNCDGbGiEnfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nGWTYHfmPSd8ZZNgd+Y9J3x1k2B35jwAAAAA=</pre> |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Related Commands | Command                       | Description                          |
|------------------|-------------------------------|--------------------------------------|
|                  | <a href="#">show software</a> | Displays the FTP server information. |

# software download status

To display the progress of a software download, use the **software download status** command in Cisco Unified Messaging Gateway (Cisco UMG) EXEC mode.

## software download status

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

**Command Default** None

**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                                    |
|------------------|-------------------------------------------|------------------------------------------------|
|                  | <a href="#">software download abort</a>   | Aborts a download that is in progress.         |
|                  | <a href="#">software download clean</a>   | Downloads a complete package to install later. |
|                  | <a href="#">software download upgrade</a> | Downloads an upgrade package to install later. |

# software download uninstall

To upgrade to a newer version of Cisco Unified Messaging Gateway (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 | <b>pkg umg-package.pkg</b>                             | Specifies a package name.             |
|                    | <b>url ftp://ftp-server-ip-address/umg-package.pkg</b> | Specifies the FTP server information. |

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

|               |                |
|---------------|----------------|
| 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.<br>Cisco UMG 1.0.1 does not support upgrades or downgrades. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|

|          |                                                                                                                                                                                                                                                                                                                   |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Examples | The following is an example of the command to upgrade to a newer version of Cisco UMG software.<br><br>umg-1# <b>software install upgrade url ftp://192.0.2.24/umg.nme.1.0.1.pkg</b>                                                                                                                              |
|          | 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 <b>software download upgrade</b> command:<br><br>umg-1# <b>software install upgrade pkg umg.nme.1.0.1.pkg</b> |

| Related Commands | Command                                    | Description                                                           |
|------------------|--------------------------------------------|-----------------------------------------------------------------------|
|                  | <a href="#">software download upgrade</a>  | Configures the FTP server information.                                |
|                  | <a href="#">software download upgrade</a>  | Downloads the files for a future upgrade.                             |
|                  | <a href="#">software install clean</a>     | Installs a new version of the Cisco UMG software and cleans the disk. |
|                  | <a href="#">software install downgrade</a> | 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 Unified Messaging Gateway (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. |
| <b>url ftp://</b> <i>ftp-server-ip-address</i> | URL of the FTP server.                         |
| <i>/dir</i>                                    | (Optional) Directory other than the default.   |
| <b>username</b> <i>username</i>                | (Optional) Username for the FTP server.        |
| <b>password</b> <i>password</i>                | (Optional) 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.

Cisco UMG 1.0.1 does not support upgrades or downgrades.

## 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                                                           |
|------------------------------------------|-----------------------------------------------------------------------|
| <a href="#">software download abort</a>  | Aborts a download that is in progress.                                |
| <a href="#">software download status</a> | Reports the status of a download in progress.                         |
| <a href="#">show software directory</a>  | Displays directory information for software downloads and downgrades. |

# software install clean

To install a new version of Cisco Unified Messaging Gateway (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. |
| <b>url ftp://ftp-server-ip-address/</b> | URL of the FTP server.                         |

## Command Default

None

## 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                                                      |
|--------------------------------------------|------------------------------------------------------------------|
| <a href="#">software download abort</a>    | Aborts a download that is in progress.                           |
| <a href="#">software download status</a>   | Reports the status of a download in progress.                    |
| <a href="#">software download upgrade</a>  | Downloads an upgrade package to install later.                   |
| <a href="#">software install downgrade</a> | Downgrades the current Cisco UMG software to a previous version. |
| <a href="#">software install upgrade</a>   | Upgrades the current Cisco UMG software to a newer version.      |

# software install downgrade

To downgrade to a previously installed version of Cisco Unified Messaging Gateway (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 Default** None

**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 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                                                                         |
|------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">show software directory</a>  | Displays directory information for software downloads and downgrades.               |
| <a href="#">software install clean</a>   | Installs a new version of the <Abbreviation>Cisco Unity Express software.           |
| <a href="#">software install upgrade</a> | Upgrades the current <Abbreviation>Cisco Unity Express software to a newer version. |

# software install upgrade

To upgrade to a newer version of Cisco Unified Messaging Gateway (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

|                                                               |                                       |
|---------------------------------------------------------------|---------------------------------------|
| <b>pkg</b> <i>umg-package.pkg</i>                             | Specifies a package name.             |
| <b>url</b> <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. Cisco UMG 1.0.1 does not support upgrades or downgrades.

## 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                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------------------|
| <a href="#">software download upgrade</a>  | Configures the FTP server information.                                                 |
| <a href="#">software download upgrade</a>  | Downloads the files for a future upgrade.                                              |
| <a href="#">software install clean</a>     | Installs a new version of the <Abbreviation>Cisco Unity Express software.              |
| <a href="#">software install downgrade</a> | 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 Unified Messaging Gateway (Cisco UMG) EXEC mode.

**software remove {all | downgradefiles | downloadfiles}**

## Syntax Description

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| <b>all</b>            | Removes both the downgrade and the download files. |
| <b>downgradefiles</b> | Removes the downgrade files.                       |
| <b>downloadfiles</b>  | 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                                                         |
|-----------------------------------------|---------------------------------------------------------------------|
| <a href="#">show software directory</a> | Displays the disk usage for the download and downgrade directories. |

# spoken-name

To enable spoken-name support on the gateway, use the **spoken-name** command in Cisco Unified Messaging Gateway (Cisco UMG) configuration mode.

**spoken-name { enable | disable }**

## Syntax Description

|                |                              |
|----------------|------------------------------|
| <b>enable</b>  | Enable spoken-name support.  |
| <b>disable</b> | Disable spoken-name support. |

## Command Modes

Cisco UMG configuration

## Command History

| Cisco UMG Version | Modification                 |
|-------------------|------------------------------|
| 1.0               | This command was introduced. |

## Usage Guidelines

If spoken name support is disabled on Cisco UMG, the spoken names received from <Abbreviation>Cisco Unity Express and Cisco Unity will not be stored in the database.

If the network link is slow, we recommend you disable spoken name in directory exchange.

We strongly recommend that you set all peer messaging gateways consistently for spoken-name support - either all enabled or all disabled.

## Examples

The following illustrates the use of the **spoken-name** command:

```
umg-1# config t
umg-1(config)# spoken-name enable
umg-1(config)# exit
umg-1# show spoken-name
Spoken-name is enabled
```

## Related Commands

| Command                          | Description                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------|
| <a href="#">show spoken-name</a> | Displays whether spoken-name support is enabled or disabled on the local messaging gateway. |