# S: show clock detail to show remote users

**Last Updated: June 23, 2011**


show clock detail

show crypto key

show fax configuration

show group detail groupname

show group profiles

show groups

show groups privileges

show hosts

show imap configuration

show imap sessions

show interface ide

show ip route

show kron schedules

show kron schedule detail job

show license all

show license detail

show license evaluation

show license expiring

show license feature

show license file

show license in-use

show license permanent

show license statistics

show license status

show license status application

show license udi
show lists detail private
show lists detail public
show lists owner
show lists public
show log
show logging
show logs
show memory
show messaging-gateway
show network detail local
show network detail location id
show network locations
show network locations cached
show network locations configured
show network queues
show notification configuration
show ntp associations
show ntp servers
show ntp source
show ntp status
show operations
show operations detail
show phone-authentication configuration
show privileges
show operations detail
show processes
show remote cache
show remote user detail
show remote users

# show clock detail

To display clock statistics, use the **show clock detail** command in Cisco Unity Express EXEC mode.

**show clock detail**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Usage Guidelines

Cisco Unity Express uses the Network Time Protocol (NTP) server for clocking functions. Use the **show clock detail** command to display the Cisco Unity Express module clock status.

## Examples

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

```
se-10-0-0-0# show clock detail

19:20:33.724 PST Wed Mar 17 1993
time zone:                              America/Los_Angeles
clock state:                            unsync
delta from reference (microsec):        0
estimated error (microsec):             175431
time resolution (microsec):             1
clock interrupt period (microsec):      10000
time of day (sec):                      732424833
time of day (microsec):                 760817
```

Table 30 describes the significant fields shown in the display.

*Table 30 show clock detail Field Descriptions*

| Field | Description |
|---|---|
| time zone | Current time zone setting. |
| clock state | Synchronization state of the clock. |

*Table 30 show clock detail Field Descriptions (continued)*

| Field | Description |
|---|---|
| delta from reference (microsec) | Difference between the module clock and the NTP reference clock. |
| time of day (sec) | Current time of day in seconds. |
| time of day (microsec) | Current time of day in microseconds. |

## Related Commands

| Command | Description |
|---|---|
| **clock timezone** | Configures the local time zone. |
| **ntp server** | Specifies the NTP server for Cisco Unity Express. |
| **show ntp source** | Displays statistics for the NTP server. |

# show crypto key

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

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

## Syntax Description

| | |
|---|---|
| **all** | Displays all configured certificate-private key pairs. |
| **label** *label-name* | Displays characteristics of the specified certificate-private key pair. An error message appears if *label-name* does not exist. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.3 | This command was introduced. |

## Examples

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

```
se-10-0-0-0# show crypto key label mainkey.ourcompany

Label name: mainkey.ourcompany [default]
Entry type:Key Entry
Creation date: Mon Jun 10 14:23:09 PDT 2002
Owner: CN=se-1-100-6-10.localdomain, OU='', O='', L='', ST='', C=''
Issuer: CN=se-1-100-6-10.localdomain, OU='', O='', L='', ST='', C=''
Valid from: Mon Jun 10 14:23:06 PDT 2002 until: Sun Sep 08 14:23:06 PDT 2002
```

Table 31 describes the significant fields shown in the display.

***Table 31 show crypto key Field Descriptions***

| Field | Description |
|---|---|
| Label name | Name of the certificate-key pair. |
| Entry type | Method of providing the certificate-key pair. |
| Creation date | Date the certificate-key pair was created. |
| Owner | Owner of the certificate-key pair. |
| Issuer | Issuer of the certificate-key pair. |
| Valid from | Dates for which the certificate-key pair is valid. |

## Related Commands

| Command | Description |
|---|---|
| **crypto key default** | Designates a certificate-private key pair as the system default. |
| **crypto key delete** | Deletes a certificate-private key pair. |

| Command | Description |
|---|---|
| **crypto key generate** | Generates a certificate-private key pair. |
| **crypto key import** | Imports a certificate-private key pair from a console or server. |

# show fax configuration

To display the fax configuration, use the **show fax configuration** command in Cisco Unity Express EXEC mode.

**show fax configuration**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 3.0 | This command was introduced. |
| 3.2 | This command was extended to display the configuration of multiple sites. |

## Usage Guidelines

Use the **show fax configuration** command in Cisco Unity Express EXEC mode to display the configuration for the inbound fax gateway, the outbound fax gateway, and the default fax number to which faxes in the mailboxes can be sent.

## Examples

The following is sample output for the **show fax configuration** command if only one site is configured:

```
se-10-0-0-0# show fax configuration

Outbound Fax Gateway:          172.16.50.38
Inbound Fax Gateway:           aesopits.aesop.com
Fax Printing Number:           1111
```

The following is sample output for the **show fax configuration** command if more than one site is configured:

```
se-10-0-0-0# show fax configuration

Outbound Fax Gateway:          172.16.50.38
Inbound Fax Gateway(s):          1.100.50.39, 1.100.60.98, 1.100.50.1

      Site           Fax Printing Number
      Local        6111
      San-jose    7854
```

Table 32 describes the significant fields shown in the display.

*Table 32 show fax configuration Field Descriptions*

| Field | Description |
|---|---|
| Inbound Fax Gateway: | IP address or DNS hostname of the fax gateway used to receive faxes. |
| Outbound Fax Gateway: | IP address or DNS hostname of the fax gateway(s) used to send faxes. |
| Site | Name of the site where a system-level fax number is used to print faxes. |
| Fax Printing Number | System-level fax number used to print faxes. |

## Related Commands

| Command | Description |
|---|---|
| **fax gateway inbound address** | Configures an inbound fax gateway. |
| **fax gateway outbound address** | Configures an outbound fax gateway. |

# show group detail groupname

To display the configured details for a specific group, use the **show group detail groupname** command in Cisco Unity Express EXEC mode.

**show group detail groupname** *group-name*

## Syntax Description

| | |
|---|---|
| *group-name* | Name of the group whose configuration details should be displayed. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 1.0 | This command was introduced on the Cisco Unity Express network module and in Cisco Unified CME 3.0. |
| 1.1 | This command was implemented on the advanced integration module (AIM) and in Cisco Unified Communications Manager 3.3(3). |
| 1.1.2 | This command was implemented on the Cisco 2800 series and Cisco 3800 series routers. |
| 7.0 | This command was modified to also display information about the group's privileges, group membership, and group ownership. |

## Usage Guidelines

This command displays details for a group that was configured using either the Cisco Unity Express EXEC version or Cisco Unity Express configuration version of the **groupname** command.

## Examples

The following is sample output for the **show group detail groupname** command:

```
se-10-0-0-0# show group detail groupname sales
Groupname           sales
Full Name:          sales
Description:
Email:
Epage:
Phone:
Phone(E.164):
Language:           en_ENU
Group Members:      <none>
User Members:       user2 user 8
Group Owners:       <none>
User Owners:        <none>
Privileges:
```

Table 33 describes the significant fields shown in the display.

*Table 33 show group detail groupname Field Descriptions*

| Field | Description |
|---|---|
| Groupname | Name used to configure the group. |
| Full Name | Full descriptive name of the group. |
| Description | Optional description of the group. |
| Email | Email privileges for this group. |
| Epage | Epage privileges for prompts for this group. |
| Group Members | Group IDs of members of this group. |
| User Members | User IDs of members of this group. |
| Group Owners | Group IDs of owners of this group. |
| Phone | Extension or telephone number assigned to the group. |
| Phone (E.164) | Complete 11-digit telephone number for the group. |
| Language | Language used by the group for system prompts. |
| User Owners | User IDs of owners of this group. |
| Members | User IDs of any members assigned to the group. |

## Related Commands

| Command | Description |
|---|---|
| **groupname** | Configures a Cisco Unity Express group. |
| **show groups** | Displays a list of group names. |
| **show users** | Displays a list of subscriber names. |
| **username (configuration)** | Configures a Cisco Unity Express subscriber. |

# show group profiles

To display a list of notification profiles configured for a group, use the **show group profiles** command in Cisco Unity Express EXEC mode.

**show group profiles groupname** *group-id*

## Syntax Description

| | |
|---|---|
| **groupname** *group-id* | ID of the group whose notification profiles are displayed. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.3 | This command was introduced. |

## Examples

The following are sample outputs for the **show group profiles** command:

```
se-10-0-0-0# show group profiles username sales

vm-notif-profile
```

## Related Commands

| Command | Description |
|---|---|
| **groupname profile (phone-device)** | Configures message notifications for a group's cell phone. |
| **groupname profile email** | Configures message notifications for a group's e-mail. |
| **groupname profile num-pager** | Configures message notifications for a group's numeric pager. |
| **groupname profile text-pager** | Configures message notifications for a group's text pager. |

# show groups

To display a list of configured groups, use the **show groups** command in Cisco Unity Express EXEC mode.

**show groups**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Usage Guidelines

This command displays a list of all groups that were configured using either the Cisco Unity Express EXEC version or Cisco Unity Express configuration version of the **groupname** command.

## Examples

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

```
se-10-0-0-0# show groups

Administrators
sales
tech
policy
```

## Related Commands

| Command | Description |
|---|---|
| **groupname** | Configures a Cisco Unity Express group. |
| **show group detail groupname** | Displays the configuration details for a specific group. |
| **show users** | Displays a list of configured subscribers. |
| **username (configuration)** | Configures a Cisco Unity Express subscriber. |

# show groups privileges

To display the privileges assigned to configured groups, use the **show groups privileges** command in Cisco Unity Express EXEC mode.

**show groups privileges**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.1 | This command was introduced. |

## Examples

The following is sample output for the **show groups privileges** command:

```
se-10-0-0-0# show groups privileges

GROUPID                         PRIVILEGES
Administrators                  superuser ManagePrompts ManagePublicList
Administrators                  ViewPrivateList
Broadcasters                    broadcast
managers                        broadcast ViewPrivateList
```

Table 34 describes the significant fields shown in the display.

*Table 34 show groups privileges Field Descriptions*

| Field | Description |
|---|---|
| GROUPID | ID of the group. |
| PRIVILEGES | Privileges assigned to the group. |

## Related Commands

| Command | Description |
|---|---|
| **groupname** | Configures Cisco Unity Express groups. |

# show hosts

To display information about the configured hosts, use the **show hosts** command in Cisco Unity Express EXEC mode.

**show hosts**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Examples

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

```
se-10-0-0-0# show hosts

Hostname:      se-10-100-6-10
Domain:        localdomain
DNS Server1:   10.100.10.130
```

Table 35 describes the significant fields shown in the display.

*Table 35 show hosts Field Descriptions*

| Field | Description |
|---|---|
| Hostname | Name of the Cisco Unity Express host system. |
| Domain | Domain name of the host. |
| DNS Server1 | IP address of the DNS server. |

## Related Commands

| Command | Description |
|---|---|
| **hostname** | Specifies the server that stores the Cisco Unity Express applications. |
| **ip domain-name** | Specifies the DNS domain name. |
| **ip name-server** | Specifies the DNS server. |
| **ntp server** | Specifies the NTP clocking server. |
| **show ip route** | Displays IP route configurations. |

# show imap configuration

To display the IMAP configuration parameters, use the **show imap configuration** command in Cisco Unity Express EXEC mode.

**show imap configuration**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.3 | This command was introduced. |
| 3.0 | This command was implemented on the advanced integration module (AIM). |
| 8.6 | The SSL Key field was added. |

## Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

## Examples

The following is sample output for the **show imap configuration** command:

```
se-10-0-0-0# show imap configuration

Status                      enabled
Idle Timeout(minutes):      45
Max Sessions:               30
Security Mode:              mixed
SSL Key:                    No default key defined in SSL keystore.
```

Table 30 describes the significant fields shown in the display.

***Table 36 show imap configuration Field Descriptions***

| Field | Description |
|---|---|
| Status | Whether the IMAP server is enabled or disabled. |
| Idle Timeout (minutes) | The idle timeout value for the IMAP server. |
| Max Sessions | The maximum sessions supported by the IMAP server. |
| Security Mode | The security mode setting for the IMAP server. |
| SSL Key | The SSL Key for the IMAP server. |

## Related Commands

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

| Command | Description |
|---|---|
| **maxsessions (IMAP)** | Sets the maximum number of concurrent IMAP sessions. |
| **service imap** | Enters IMAP configuration mode. |
| **session idletimeout (IMAP)** | Specifies the IMAP session idletimeout value. |
| **session security** | Sets the IMAP client connection type. |
| **show imap sessions** | Displays all active IMAP sessions. |

# show imap sessions

To display a list of all active IMAP sessions, use the **show imap sessions** command in Cisco Unity Express EXEC mode.

**show imap sessions**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.3 | This command was introduced |
| 3.0 | This command was implemented on the advanced integration module (AIM). |

## Usage Guidelines

This command is not available on the AIM in version 2.3 and earlier.

## Examples

The following is sample output for the **show imap sessions** command:

```
se-10-0-0-0# show imap sessions

Sessions     IP Address     Connect Time                  User ID
=================================================================
  1          10.21.82.244   Wed Nov 16 01:35:02 CST 2005   group1
  2          172.18.10.10   Wed Nov 16 03:23:15 CST 2005   group5
```

Table 37 describes the significant fields shown in the display.

*Table 37 show imap sessions Field Descriptions*

| Field | Description |
|---|---|
| Sessions | ID number of the IMAP session. |
| IP Address | IP address of the IMAP session e-mail client. |
| Connect Time | Date and time when the IMAP session began. |
| User ID | User ID of the group that has access to the session. |

## Related Commands

| Command | Description |
|---|---|
| **enable (IMAP)** | Enables the IMAP feature. |
| **groupname** | Configures voice-mail group parameters. |
| **maxsessions (IMAP)** | Sets the maximum number of concurrent IMAP sessions. |
| **service imap** | Enters IMAP configuration mode. |

| Command | Description |
|---|---|
| session idletimeout (IMAP) | Specifies the IMAP session idletimeout value. |
| session security | Sets the IMAP client connection type. |
| show imap configuration | Displays all IMAP configuration parameters. |

# show interface ide

To display the AIM usage and wear status, use the **show interface ide** command in Cisco Unity Express EXEC mode.

**show interface ide** *number*

## Syntax Description

| | |
|---|---|
| *number* | The disk unit number. |

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Examples

The following is sample output for the **show interface ide 0** command:

```
se-10-0-0-0# show interface ide 0

IDE hd0 is up, line protocol is up
     3499 reads, 39217152 bytes
     0 read errors
     51588 write, 324714496 bytes
     0 write errors
```

Table 38 describes the significant fields shown in the display.

*Table 38 show interface ide 0 Field Descriptions*

| Field | Description |
|---|---|
| reads | Number of times that data was read from flash memory. |
| bytes | Number of bytes of data that were read from flash memory. |
| read errors | Number of errors that occurred during the read operations. |
| write | Number of times that data was written into flash memory. |
| bytes | Number of bytes of data that were written into flash memory. |
| write errors | Number of errors that occurred during the write operations. |

## Related Commands

| Command | Description |
|---|---|
| **log trace boot** | Generates logging and tracing files on the AIM flash memory. |

# show ip route

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

**show ip route**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Examples

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

```
se-10-0-0-0# show ip route

           DEST            GATE            MASK   IFACE
       10.0.6.0         0.0.0.0   255.255.255.0  eth1
     172.16.0.0         0.0.0.0       255.0.0.0  lo
        0.0.0.0        10.0.6.9         0.0.0.0  eth1
```

Table 39 describes the significant fields shown in the display.

*Table 39 show ip route Field Descriptions*

| Field | Description |
|---|---|
| DEST | IP address of the destination network. |
| GATE | IP address of the gateway to access the destination network. |
| MASK | Mask for the gateway IP address. |
| IFACE | Interface to reach the destination network. |

## Related Commands

| Command | Description |
|---|---|
| **hostname** | Specifies the server that stores the Cisco Unity Express applications. |
| **ip domain-name** | Specifies the DNS domain name. |
| **ip name-server** | Specifies the DNS server. |

| Command | Description |
|---|---|
| ntp server | Specifies the NTP clocking server. |
| show hosts | Displays all configured hosts. |

# show kron schedules

To display a list of kron jobs, use the **show kron schedules** command in Cisco Unity Express EXEC mode.

**show kron schedules**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Release | Modification |
|---|---|
| 8.0 | This command was introduced. |

## Examples

The following example displays a list of scheduled kron jobs:

```
se-10-0-0-0# show kron schedules
Name          Schedule                        Commands
krj1          Every 1 days at 12:34           show ver,sh run,conf t,host...
Total: 1
```

Table 40 describes the significant fields shown in the display.

*Table 40 show kron schedule Field Descriptions*

| Field | Description |
|---|---|
| Name | The kron job name. |
| Schedule | When the kron job is configured to take place. |
| Commands | Lists the commands in the kron job. |

## Related Commands

| Command | Description |
|---|---|
| **commands (kron schedule)** | Enters the interactive mode to create the command block for a kron job. |
| **description (kron schedule)** | Configures a description for the kron job. |
| **kron schedule** | Creates a new kron schedule and enters kron-schedule configuration mode. |
| **show kron schedule detail job** | Displays details of a specific kron job. |

# show kron schedule detail job

To display details of a kron job, use the **show kron schedule detail job** command in Cisco Unity Express EXEC mode.

**show kron schedule detail job** *name*

## Syntax Description

| | |
|---|---|
| *name* | Specifies the name of the kron job. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Release | Modification |
|---|---|
| 8.0 | This command was introduced. |

## Examples

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

```
se-10-0-0-0# show kron schedule detail job krj1
Job Name        krj1
Description
Schedule        Every 1 days at 12:34
Last Run        NEVER
Last Result
Next Run        Feb 18, 2010 12:34
Active          from Feb 17, 2010 until INDEFINITE
Disabled
CLI Commands
                show ver
                sh run
                conf t
                hostname aaa
```

Table 41 describes the significant fields shown in the display.

*Table 41 show kron schedule detail job Field Descriptions*

| Field | Description |
|---|---|
| Job Name | The kron job name. |
| Description | The description of the kron job. |
| Schedule | When the kron job is configured to take place. |
| Last Run | When the kron job was last run. |
| Last Result | The result for the last time the kron job was run. |
| Next Run | The next time the kron job is scheduled to run. |
| Active | If the kron job is active, the date for when the kron job will no longer be active. |

*Table 41 show kron schedule detail job Field Descriptions (continued)*

| Field | Description |
|---|---|
| Disabled | If the kron job is disabled, the date for when the kron job will no longer be disabled. |
| CLI Commands | Lists the commands in the kron job. |

## Related Commands

| Command | Description |
|---|---|
| **commands (kron schedule)** | Enters the interactive mode to create the command block for a kron job. |
| **description (kron schedule)** | Configures a description for the kron job. |
| **kron schedule** | Creates a new kron schedule and enters kron-schedule configuration mode. |
| **show kron schedules** | Displays a list of kron jobs. |

# show license all

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

**show license all**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays all of the licenses installed on the module.

## Examples

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

```
se-10-0-0-0# show license all
StoreIndex:  0  Feature: VMIVR-PORT                       Version: 1.0
 License Type: Permanent
 License State: Active, In Use
 License Count: 4 / 4
 License Priority: Medium
License Store: Evaluation License Storage
StoreIndex:  0  Feature: VMIVR-VM-MBX                     Version: 1.0
 License Type: Evaluation
 License State: Active, Not in Use, EULA not accepted
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 600 / 0
 License Priority: None
License Store: Evaluation License Storage
StoreIndex:  1  Feature: VMIVR-PORT                       Version: 1.0
 License Type: Evaluation
 License State: Inactive
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 60 / 0
 License Priority: None
License Store: Evaluation License Storage
StoreIndex:  2  Feature: VMIVR-IVR-SESS                   Version: 1.0
 License Type: Evaluation
 License State: Active, Not in Use, EULA not accepted
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 60 / 0
 License Priority: None
```

Table 42 describes the significant fields shown in the display.

*Table 42 show license all Field Descriptions*

| Field | Description |
|---|---|
| Feature Name | Displays the feature name. |
| License Type | Types of licenses installed on your system |
| License State | Licenses that are in different status such as in-use, active, expired and so on. |
| License Count | Number of the license. |
| License Priority | Priority level of the license. |
| Evaluation total period | Total evaluation period for the license. |
| Evaluation period left | Remaining evaluation period. |

## Related Commands

| Command | Description |
|---|---|
| **show license detail** | Displays the details of the license installed on your system. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license feature** | Displays the license feature information. |
| **show license file** | Displays the license file information |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license detail

To display the details of the license installed on your system, use the **show license detail** command in Cisco Unity Express EXEC mode.

**show license detail**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the detailed information of the license that is installed on your system.

## Examples

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

```
se-10-0-0-0# show license detail
Index:  1       Feature: TCV-USER                        Version: 1.0
        License Type: Evaluation
        License State: Active, Not in Use, EULA accepted
            Evaluation total period:  4 weeks  2 days
            Evaluation period left:  4 weeks  2 days
        License Count: 2 / 0
        License Priority: Low
        Store Index: 4
        Store Name: Primary License Storage
Index:  2       Feature: VMIVR-IVR-SESS                  Version: 1.0
        License Type: Permanent
        License State: Active, In Use
        License Count: 4 /4
        License Priority: Medium
        Store Index: 1
        Store Name: Primary License Storage
Index:  3       Feature: VMIVR-IVR-SESS                  Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 60 / 0
        License Priority: None
        Store Index: 2
        Store Name: Evaluation License Storage
Index:  4       Feature: VMIVR-PORT                      Version: 1.0
        License Type: Permanent
        License State: Active, Not in Use
        License Count: 6 / 0
        License Priority: Medium
        Store Index: 0
        Store Name: Primary License Storage
```

```
Index:  5       Feature: VMIVR-PORT                      Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 60 / 0
        License Priority: None
        Store Index: 1
        Store Name: Evaluation License Storage
Index:  6       Feature: VMIVR-VM-MBX                    Version: 1.0
        License Type: Permanent
        License State: Active, In Use
        License Count: 10 /10
        License Priority: Medium
        Store Index: 2
        Store Name: Primary License Storage
Index:  7       Feature: VMIVR-VM-MBX                    Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 600 / 0
        License Priority: None
        Store Index: 0
        Store Name: Evaluation License Storage
```

Table 43 describes the significant fields shown in the display.

*Table 43 show license details Field Descriptions*

| Field | Description |
|---|---|
| Feature Name | Displays the feature name. |
| License Type | Types of licenses installed on your system |
| License State | Licenses that are in different status such as in-use, active, expired and so on. |
| License Count | Number of the license. |
| License Priority | Priority level of the license. |
| Evaluation total period | Total evaluation period for the license. |
| Evaluation period left | Remaining evaluation period. |

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all the licenses installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays expiring licenses. |
| **show license feature** | Displays the license feature information. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license evaluation

To display the evaluation licenses that are in your system, use the **show license evaluation** command in Cisco Unity Express EXEC mode.

**show license evaluation**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the list of evaluation licenses.

## Examples

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

```
se-10-0-0-0# show license evaluation
StoreIndex:  0  Feature: VMIVR-VM-MBX                    Version: 1.0
 License Type: Evaluation
 License State: Active, Not in Use, EULA not accepted
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 600 / 0
 License Priority: None
StoreIndex:  1  Feature: VMIVR-PORT                      Version: 1.0
 License Type: Evaluation
 License State: Active, Not in Use, EULA not accepted
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 60 / 0
 License Priority: None
StoreIndex:  2  Feature: VMIVR-IVR-SESS                  Version: 1.0
 License Type: Evaluation
 License State: Active, Not in Use, EULA accepted
     Evaluation total period:  8 weeks  4 days
     Evaluation period left:  8 weeks  4 days
 License Count: 60 / 0
 License Priority: Low
```

Table 44 describes the significant fields shown in the display.

*Table 44 show license evaluation Field Descriptions*

| Field | Description |
|---|---|
| Feature Name | Displays the feature name. |
| License Type | Types of licenses installed on your system |
| License State | Licenses that are in different status such as in-use, active, expired and so on. |
| License Count | Number of the license. |
| License Priority | Priority level of the license. |
| Evaluation total period | Total evaluation period for the license. |
| Evaluation period left | Remaining evaluation period. |

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license expiring** | Displays expiring licenses. |
| **show license feature** | Displays the license feature information. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license expiring

To display the list of expiring licenses, use the **show license expiring** command in Cisco Unity Express EXEC mode.

**show license expiring**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the licenses installed in the system.

## Examples

The following is sample output for the **show license expiring** command:

```
se-10-0-0-0# show license expiring
StoreIndex:  4  Feature: TCV-USER                        Version: 1.0
        License Type: Evaluation
        License State: Active, Not in Use, EULA accepted
            Evaluation total period:  4 weeks  2 days
            Evaluation period left:  4 weeks  2 days
        License Count: 2 / 0
        License Priority: Low
StoreIndex:  0  Feature: VMIVR-VM-MBX                    Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 600 / 0
        License Priority: None
StoreIndex:  1  Feature: VMIVR-PORT                      Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 60 / 0
        License Priority: None
StoreIndex:  2  Feature: VMIVR-IVR-SESS                  Version: 1.0
        License Type: Evaluation
        License State: Inactive
            Evaluation total period:  8 weeks  4 days
            Evaluation period left:  8 weeks  4 days
        License Count: 60 / 0
        License Priority: None
```

Table 45 describes the significant fields shown in the display.

*Table 45 show license expiring Field Descriptions*

| Field | Description |
|---|---|
| Feature Name | Displays the feature name. |
| License Type | Types of licenses installed on your system |
| License State | Licenses that are in different status such as in-use, active, expired and so on. |
| License Count | Number of the license. |
| License Priority | Priority level of the license. |
| Evaluation total period | Total evaluation period for the license. |
| Evaluation period left | Remaining evaluation period. |

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license feature** | Displays the license feature information. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license feature

To display the license feature information, use the **show license feature** command in Cisco Unity Express EXEC mode.

**show license feature**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the license feature information.

## Examples

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

```
se-10-0-0-0# show license feature
Feature name         Enforcement   Evaluation  Clear Allowed  Enabled
VMIVR-VM-MBX         yes           yes         yes            yes
VMIVR-PORT           yes           yes         yes            no
VMIVR-IVR-SESS       yes           yes         yes            yes
```

Table 46 describes the significant fields shown in the display.

*Table 46 show license feature Field Descriptions*

| Field | Description |
|---|---|
| Feature Name | Displays the feature name. |
| Enforcement | Displays the feature enforced. |
| Evaluation | Displays the feature evaluation . |
| Clear Allowed | Displays the feature cleared |
| Enabled | Displays the feature enabled. |

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |

| Command | Description |
|---|---|
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license file

To display the license file information, use the **show license file** command in Cisco Unity Express EXEC mode.

**show license file**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the license file information.

## Examples

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

```
se-10-0-0-0# show license file
License Store: Primary License Storage
  Store Index: 0
    License: 11 VMIVR-PORT 1.0 LONG NORMAL STANDALONE EXCL 6_KEYS INFINITE_KEY

             S NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400 NiL

             NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB</SN>

             </UDI> FoNLii5xXuUEUf7RzaIIfcB2RUHHaUOjpWPq,rxB3K3lpGwO05cEnIJL3L

             jP:f,c3SyQCBTk9kgFrgdzSiHKIl3705bJVWBUlgF9YaqsT,xu3lyWFNsNyAecADy

             54VkdVzV8$<WLC>AQEBIQAB//9rzm6Pj8U5mbFWbaOx2KaaZrHS0HclB0gj/hL5zQ

             dv2lKLwhgEocUu2YQnz237KjSRqwInXo3s+nsLU7rOtdOxoIxYZAo3LYmUJ+MFzsq

             lhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYolVzdzfJfEPQI

             x6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
    Comment:
       Hash: y9IX2Jq/an2ygHUnQe228hV1OxI=
  Store Index: 1
    License: 11 VMIVR-IVR-SESS 1.0 LONG NORMAL STANDALONE EXCL 4_KEYS INFINITE

             _KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400

             NiL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB<

             /SN></UDI> niOA5::7dHEH,whZuMZ7Lo,O4OyeECGbquuV26UOHE3BPRwiE6my3l

             C1F0PXBqfYfA6VaEqk9oNh6K7A3khWcD3KGVPBlteB53:,hcs1ScMlVaq80RbBnpv
```

```
              oSsr9c7W7qoVb$<WLC>AQEBIQAB//+eabCIAqnSzgAe5FEbpHRIDGZabcjWVg7YBu

              3NpoCd6ZC04jbzTV0f2qXmwbgTq4iRqwInXo3s+nsLU7rOtdOxoIxYZAo3LYmUJ+M

              FzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYolVzdzfJf

              EPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
    Comment:
       Hash: tfmjRqPKXvxwVEdthuMOeWInBRI=
  Store Index: 2
    License: 11 VMIVR-VM-MBX 1.0 LONG NORMAL STANDALONE EXCL 10_KEYS INFINITE_

              KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU984YDTYMXMU400 N

              iL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><SN>FOC11036AJB</

              SN></UDI> 0v7daXrzHN4RU08ya,2z3EeuTJLGnIyHVYXjRzXZOdfxHoVYC:Nt5PN

             :pnRwLRopfBQxmU6XPE9:x4O4tuJyzN3olExUpqZjxo2GyqvQXeCTfAEj7KQ5kmqv

             LF:s:0Ej5vLi$<WLC>AQEBIQAB//+4NiqvPO0eBLwk09Vuw9qsGxKIuiO0h43tB7n

             R7NDBAOY4JHw3p9gVEbcg0uWO0V+RqwInXo3s+nsLU7rOtdOxoIxYZAo3LYmUJ+MF

             zsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYolVzdzfJfE

             PQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
  Comment:
     Hash: 2Bu+rezuGzYh+o5ZUuJjd+dX8u8=
Store Index: 4
  License: 11 TCV-USER 1.0 LONG TRIAL DISABLED 720 DISABLED STANDALONE ADD 2

             _KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE CL_ND_LCK NiL *18YU9

             84YDTYMXMU400 NiL NiL NiL 5_MINS <UDI><PID>NME-WAE-302-K9</PID><S

             N>FOC11036AJB</SN></UDI> zCsNKbbXN8HnBTsPvgqULt3Low,xlYcHKRNjlxlk

             GWfACr3u5cAtCKtKNWpXIo,FfBBUDNsEc5pZLs8I1xsQHi3lzvSYwC0P3kWhIU31x

             zUELVihivE47tM2,Q0e6nc7RGL2$<WLC>AQEBIQAB//8ll2Xh3iHobGSccTPNh69c

             3AB/3/xoEpwmQ0D2pG+gMeaDlAyNPqCSJrebI9DKzDWRqwInXo3s+nsLU7rOtdOxo

             IxYZAo3LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzh

             r10GYolVzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
  Comment: test
     Hash: wOrt2FbpILlU2GD6z2GQmyqtXc8=
cense Store: Evaluation License Storage
Store Index: 0
  License: 11 VMIVR-VM-MBX 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALONE

             ADD 600_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL

             Ni NiL NiL 5_MINS NiL gJ1FlssZ39TgvQDH8Fu93Cdz1kXs8LHaiGCsOwLM8GL

             WYKOyiM9rRhOmFuBMauv1f8$<WLC>AQEBIQAB//8ZAAAH04VppVZrShktc98KWZok

             rD+2kyDqago7pv03O9Qaf+ySGcEDwfkPFouHEVCRqwInXo3s+nsLU7rOtdOxoIxYZ

             Ao3LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10G
              YolVzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
   Comment:
```

```
      Hash: /Peb+gBMyhtkTWA2xsHtWUe9iHM=
 Store Index: 1
   License: 11 VMIVR-PORT 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALONE AD

            D 60_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL Ni

            NiL NiL 5_MINS NiL KLvQ,vhWuiuWKoq4CKCGVaViNEhi9Tt72vuPW:sEQgfR6j

            rvWSojAXLyaNzK1pHgVv$<WLC>AQEBIQAB//93kd6S0MKNohzwFzTUDFlx8Ys45Bt

            qQ4iRE1oDDQqlSLZ2J7lKBREvSjnekce96j6RqwInXo3s+nsLU7rOtdOxoIxYZAo3

            LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10GYol

            VzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
   Comment:
      Hash: Ni60pM89ClO8EOKyEJDvvv0wy+M=
 Store Index: 2
   License: 11 VMIVR-IVR-SESS 1.0 LONG TRIAL DISABLED 1440 DISABLED STANDALON

            E ADD 60_KEYS INFINITE_KEYS NEVER NEVER NiL SLM_CODE DEMO NiL NiL

             Ni NiL NiL 5_MINS NiL tmJX8w,cjZmVzFZ0ePsQft4Cj3aHw7o65rAwYPKKWl

            fctrsZFX7JfHMuIoDpqsidfK$<WLC>AQEBIQAB//+vZvtu3GzCrcjMglMFaK3oeTB

            7QpwrJjR2i09Ek2ihOwIzp5XYvxYQIYV1FT6SBjaRqwInXo3s+nsLU7rOtdOxoIxY

            ZAo3LYmUJ+MFzsqlhKoJVlPyEvQ8H21MNUjVbhoN0gyIWsyiJaM8AQIkVBQFzhr10

            GYolVzdzfJfEPQIx6tZ++/Vtc/q3SF/5Ko8XCY=</WLC>
   Comment:
      Hash: UvjvV3v0PfglcfxN0OYSM9pY+LA=

xsessions 8


end
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license in-use

To display information about the licenses that are in use on your module, use the **show license in-use** command in Cisco Unity Express EXEC mode.

**show license in-use**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the list of licenses currently marked as in-use.

## Examples

The following is a sample output for the **show license in-use** command:

```
se-10-0-0-0# show license in-use
StoreIndex:  0  Feature: VMIVR-PORT                      Version: 1.0
 License Type: Permanent
 License State: Active, In Use
 License Count: 4 /4
 License Priority: Medium
StoreIndex:  1  Feature: VMIVR-VM-MBX                    Version: 1.0
 License Type: Permanent
 License State: Active, In Use
 License Count: 5 /5
 License Priority: Medium
```

Table 47 describes the significant fields shown in the display.

*Table 47 show license in-use Field Descriptions*

| Field | Description |
|---|---|
| License Type | Types of licenses installed on your system |
| License State | Licenses that are in different status such as in-use, active, expired and so on. |
| License Count | Number of the license. |
| License Priority | Priority level of the license. |
| Evaluation total period | Total evaluation period for the license. |
| Evaluation period left | Remaining evaluation period. |

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays a summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license file** | Displays the license file information. |
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license permanent

To display the list of permanent licenses that are installed on your system, use the **show license permanent** command in Cisco Unity Express EXEC mode.

**show license permanent**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the list of permanent licenses.

## Examples

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

```
se-10-0-0-0# show license permanent
StoreIndex:  0  Feature: VMIVR-PORT                      Version: 1.0
        License Type: Permanent
        License State: Active, Not in Use
        License Count: 6 / 0
        License Priority: Medium
StoreIndex:  1  Feature: VMIVR-IVR-SESS                  Version: 1.0
        License Type: Permanent
        License State: Active, In Use
        License Count: 4 /4
        License Priority: Medium
StoreIndex:  2  Feature: VMIVR-VM-MBX                    Version: 1.0
        License Type: Permanent
        License State: Active, In Use
        License Count: 10 /10
        License Priority: Medium
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays a summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license file** | Displays the license file information |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |

# show license statistics

To display the statistics of license agent actions, use the **show license statistics** command in Cisco Unity Express EXEC mode.

**show license statistics**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the statistics of license agent actions.

## Examples

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

```
se-10-0-0-0# show license statistics
                Administrative statistics
        Install success count:       0
        Install failure count:       0
        Install duplicate count:     0
        Comment add count:           1
        Comment delete count:        0
        Clear count:                 0
        Save count:                  1
        Save cred count:             0

                Client status
        Request success count     2
        Request failure count     0
        Release count             0
        Global Notify count       1
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays a summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the expiring licenses. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |

| Command | Description |
|---|---|
| **show license status** | Displays the status of the licenses installed. |
| **show license status application** | Displays the status of the license applications installed. |

# show license status

To display the license status information, use the **show license status** command in Cisco Unity Express EXEC mode.

**show license status**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the license status information..

## Examples

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

```
se-10-0-0-0# show license status
               License Type Supported
        permanent  Non-expiring node locked license
        extension  Expiring node locked license
        evaluation Expiring non node locked license

               License Operation Supported
        install    Install license
        clear      Clear license
        annotate   Comment license
        save       Save license
        modify     Modify license priority
        revoke     Revoke license

               Device status
        Device Credential type: IMAGE
        Device Credential Verification: PASS
        Rehost Type: DC_OR_IC
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the list of expiring licenses. |
| **show license file** | Displays the license file information. |

| Command | Description |
|---|---|
| show license in-use | Displays information about the licenses that are in use. |
| show license status application | Displays the status of the license applications installed. |

# show license status application

To display the status of the license applications installed, use the **show license status application** command in Cisco Unity Express EXEC mode.

**show license status application** [**ivr** | **ports** | **timecardview** | **voicemail** ]

## Syntax Description

| | |
|---|---|
| **ivr** | Displays the IVR license status. |
| **ports** | Displays the port license status. |
| **timecardview** | Displays the TimecardView license status. |
| **voicemail** | Displays the voicemail license status. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the status of license applications installed in the system. If no keyword is specified, then the status of all installed license applications is displayed.

## Examples

The following example displays license status information for all applications.

```
se-10-0-0-0# show license status application
voicemail disabled, no activated mailbox license available
ivr disabled, no activated ivr session license available

se-10-0-0-0# show license status application
voicemail enabled: 4 ports, 4 sessions, 5 mailboxes
ivr disabled, no activated ivr session license available
```

The following examples work only in an IVR configuration:

```
se-10-0-0-0# show license status application
voicemail disabled, ivr session quantity (4) is equal to or exceeds available ports (4)
ivr enabled: 4 sessions

se-10-0-0-0# show license status application
voicemail enabled: 6 ports, 2 sessions, 5 mailboxes
ivr enabled, 4 sessions
```

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

```
se-10-0-0-0# show license status application ivr
ivr enabled, 4 sessions
```

The following example displays TimeCardView license status information only:

```
se-10-0-0-0# show license status application timecardview
tcv enabled: 4 users
```

The following example displays voicemail license status information only:

```
se-10-0-0-0# show license status application voicemail
voicemail enabled: 6 ports, 2 sessions, 5 mailboxes
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays the summary of all of the licenses installed. |
| **show license detail** | Displays the details of the license installed. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license feature** | Displays the license feature information. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status** | Displays the status of the licenses installed. |

# show license udi

To display the licensable UDI values on the service module of the system, use the **show license udi** command in Cisco Unity Express EXEC mode.

**show license udi**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.1 | This command was introduced. |

## Usage Guidelines

This command displays the udi license information. The UDI is printed on a label located on the back of most Cisco hardware devices or on a label tray visible on the front panel of field-replaceable motherboards.

## Examples

The following is sample output for the **show license udi** command:

```
se-10-0-0-0# show license udi
Device# PID                    SN                       UDI
--------------------------------------------------------------------------------
*0      NME-CUE            FOC11036AJB             NME-CUE:FOC11036A
JB
```

## Related Commands

| Command | Description |
|---|---|
| **show license all** | Displays a summary of all of the licenses installed on your module. |
| **show license detail** | Displays the details of the license installed on your system. |
| **show license evaluation** | Displays the evaluation licenses that are installed on your system. |
| **show license expiring** | Displays the list of expiring licenses. |
| **show license file** | Displays the license file information. |
| **show license in-use** | Displays information about the licenses that are in use. |
| **show license status application** | Displays the status of the licenses installed. |

# show lists detail private

To display details of a specific private distribution list for a specific subscriber, use the **show lists detail private** command in the Cisco Unity Express EXEC mode.

**show lists detail private** {**name** *list-name* | **number** *list-number*} **owner** *owner-id*

## Syntax Description

| | |
|---|---|
| **name** *list-name* | Name of the private distribution list. |
| **number** *list-number* | Number of the private distribution list. |
| **owner** *owner-id* | Name of the list owner. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modifications |
|---|---|
| 2.1 | This command was introduced. |
| 3.2 | This command was extended to display numbers which belong to Non Subscribers . The type of the phone number is displayed as Non-Subscriber. |

## Usage Guidelines

An error message appears if the list name, number, or owner does not exist.

The command displays the list number, list name, list type, description, owners, and members with their type categories.

The list owner and local subscribers who are members of the ViewPrivateList or Administrators groups can view the private lists that belong to a particular subscriber.

## Examples

The following is sample output for the **show lists detail private** command:

```
se-10-0-0-0# show lists detail private name projectteam owner user23

Number: 4
Name: projectteam
Type: Private
Description:
Owner:
      user23
Members:
      tech1 user
      tech2 user
      testers group
      tech10 remote
     6177712177 non-subscriber
```

The **show lists detail private number 4 owner user23** command would display the same output as shown above.

Table 48 describes the significant fields shown in the display.

*Table 48 show lists detail private Field Descriptions*

| Field | Description |
|---|---|
| Number: | ID number of the list. |
| Name: | Name of the list. |
| Type: | Type of list. |
| Description: | Description of the list. |
| Owners: | User IDs of each owner of the list. |
| Members: | User IDs of each member of the list. |

## Related Commands

| Command | Description |
|---|---|
| **show lists detail public** | Displays the details of a specified public distribution list. |
| **show lists owner** | Displays all the public and private distribution lists for a specified owner. |
| **show lists public** | Displays all public distribution lists on the local system. |

# show lists detail public

To display details of a specific public distribution list on the local system, use the **show lists detail public** command in the Cisco Unity Express EXEC mode.

**show lists detail public** {**name** *list-name* | **number** *list-number*}

## Syntax Description

| | |
|---|---|
| **name** *list-name* | Name of the public distribution list. |
| **number** *list-number* | Number of the public distribution list. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modifications |
|---|---|
| 2.1 | This command was introduced. |
| 3.2 | This command was extended to display numbers which belong to Non Subscribers . The type of the phone number is displayed as Non-Subscriber. |

## Usage Guidelines

An error message appears if the list name or number does not exist.

The command displays the list number, list name, list type, owners, and members with their type categories.

## Examples

The following is sample output from the **show lists detail public** command:

```
se-10-0-0-0# show lists detail public name engineers

Number: 5
Name: engineers
Type: Public
Description:
Owners:
     user23 user
     progmgrs group
Members:
     user23 user
     user30 user
     betamgrs group
     techs gdm
     tech25 remote
     nyc5555 blind
     6177712177 non-subscriber
```

The **show list detail public number 5** command would display the same output as shown above.

Table 49 describes the significant fields shown in the display.

*Table 49 show lists detail public Field Descriptions*

| Field | Description |
|---|---|
| Number: | ID number of the list. |
| Name: | Name of the list. |
| Type: | Type of list. |
| Description: | Description of the list. |
| Owners: | User ID of each owner of the list. |
| Members: | User ID of each member of the list. |

## Related Commands

| Command | Description |
|---|---|
| **show lists detail private** | Displays the details of the private distribution lists for a specified owner. |
| **show lists owner** | Displays all the public and private distribution lists for a specified owner. |
| **show lists public** | Displays all public distribution lists on the local system. |

# show lists owner

To display all the private and public distribution lists for a specific owner, use the **show lists owner** command in Cisco Unity Express EXEC mode.

**show lists owner** *owner-id*

## Syntax Description

| | |
|---|---|
| *owner-id* | Name of the subscriber or group that owns the distribution list. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modifications |
|---|---|
| 2.1 | This command was introduced. |

## Usage Guidelines

An error message appears if the owner does not exist.

The lists appear in alphabetical order, private lists followed by public lists. The command displays the number, name, and type for each list.

## Examples

The following is sample output for the **show lists owner** command:

```
se-10-0-0-0# show lists owner user23

Owner: user23
   List Number      List Name      List Type
   4                projectteam    Private List
   5                engineers      Public List
   25               managers       Public List
```

Table 50 describes the significant fields shown in the display.

***Table 50 show lists owner Field Descriptions***

| Field | Description |
|---|---|
| Owner: | User ID of the list owner. |
| List Number | ID number of the list. |
| List Name | Name of the list. |
| List Type | Type of list. |

## Related Commands

| Command | Description |
|---|---|
| **show lists detail private** | Displays the details of the private distribution lists for a specified owner. |
| **show lists detail public** | Displays the details of a specified public distribution list. |
| **show lists public** | Displays all public distribution lists on the local system. |

# show lists public

To display all the public distribution lists on the local system, use the **show lists public** command in Cisco Unity Express EXEC mode.

**show lists public**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modifications |
|---|---|
| 2.1 | This command was introduced. |

## Usage Guidelines

The command displays the lists in alphabetical order with each list name, number, and type, followed by the details of each list.

## Examples

The following is sample output for the **show lists public** command:

```
se-10-0-0-0# show lists public

List number             List Name               Type
5                       engineers               Public
9999                    everyone                Public
Number: 5
Name: engineers
Type: Public
Description:
Owners:
       user23        Local User
       progmgrs      Group
Members:
       user23        Local User
       user30        Local User
       progmgrs      Group
       techs         General Delivery Mailbox
       tech25        Remote User
       nyc5555       Blind Address
```

The system does not display the details of the **everyone** list.

Table 51 describes the significant fields shown in the display.

*Table 51 show lists public Field Descriptions*

| Field | Description |
|---|---|
| List number | ID number of the list. |
| List Name | Name of the list. |

*Table 51 show lists public Field Descriptions (continued)*

| Field | Description |
|---|---|
| Type | Type of list. |
| Description: | Description of the list. |
| Owners: | User ID and type of owner for each owner of the list. |
| Members: | User ID and type of member for each member of the list. |

## Related Commands

| Command | Description |
|---|---|
| **show lists detail private** | Displays the details of the private distribution lists for a specified owner. |
| **show lists detail public** | Displays the details of a specified public distribution list. |
| **show lists owner** | Displays all the public and private distribution lists for a specified owner. |

# show log

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

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

## Syntax Description

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

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Usage Guidelines

See the "Related Commands" section for filtering options.

## Examples

The following is partial output for the **show log** command that displays the dmesg log:

```
se-10-0-0-0# show log name dmesg

Press <CTRL-C> to exit...
Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (release4
Platform: nm
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
BIOS-provided physical RAM map:
 BIOS-e820: 0000000000000000 - 000000000009f400 (usable)
 BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)
 BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)
 BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)
 BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)
 BIOS-e820: 0000000001000000 - 000000000f580000 (usable)
 BIOS-e820: 000000000f580000 - 000000000f600000 (reserved)
 BIOS-e820: 000000000f600000 - 0000000010000000 (reserved)
 BIOS-e820: 00000000fff00000 - 0000000100000000 (reserved)
245MB LOWMEM available.
```

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

The following is sample output for the **show log** command that displays the dmesg log using a search string:

```
se-10-0-0-0# show log name dmesg containing setup

Press <CTRL-C> to exit...
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
se-10-0-0-0#
```

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

```
se-10-0-0-0# show log name dmesg paged

Linux version 2.4.24 (bld_adm@bld-system) (gcc version 2.95.3 20010315 (release
)) #1 Tue Nov 30 23:07:21 PST 2004
Platform: nm
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
BIOS-provided physical RAM map:
 BIOS-e820: 0000000000000000 - 000000000009f400 (usable)
 BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)
 BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)
 BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)
 BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)
 BIOS-e820: 0000000001000000 - 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 is the output for the **show log command that displays the current dmesg log as events are being entered:**

```
se-10-0-0-0# show log name dmesg tail

Press <CTRL-C> to exit...
Freeing unused kernel memory: 88k freed
```

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

```
se-10-0-0-0# show log name dmesg | begin ide0

    ide0: BM-DMA at 0xfc00-0xfc07, BIOS settings: hda:pio, hdb:pio
    ide1: BM-DMA at 0xfc08-0xfc0f, BIOS settings: hdc:pio, hdd:pio
hda: C/H/S=50127/232/176 from BIOS ignored
hdb: C/H/S=0/0/0 from BIOS ignored
hda: IC25N020ATMR04-0, ATA DISK drive
blk: queue c030c160, I/O limit 4095Mb (mask 0xffffffff)
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
hda: attached ide-disk driver.
hda: host protected area => 1
hda: 39070080 sectors (20004 MB) w/1740KiB Cache, CHS=2432/255/63, UDMA(33)
init unit number == 0
.
.
.
```

## Related Commands

| Command | Description |
|---|---|
| **show begin** | Begins the output of any **show** command from a specified string. |
| **show exclude** | Filters **show** command output so that it excludes lines that contain a particular regular expression. |
| **show include** | Filters **show** command output so that it displays only lines that contain a particular regular expression. |
| **show logs** | Displays the list of available logs. |

# show logging

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

**show logging**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Usage Guidelines

See the “Related Commands” section for filtering options.

## Examples

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

```
se-10-0-0-0# show logging

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

Console Filter Info:

MODULE           ENTITY           ACTIVITY        FILTER

No filter active
```

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

```
se-10-0-0-0# show logging

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

```
Console Filter Info:

MODULE           ENTITY           ACTIVITY        FILTER

ccn              Engine           XDBG
ccn              Engine           DBUG
```

The following example displays show logging output when an external syslog server is configured:

```
se-10-0-0-0# show logging

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

Monitored event  Info:

MODULE           ENTITY           ACTIVITY        FILTER

No monitored events active

Server Info:

Log server address: 10.187.240.31
```

## Related Commands

| Command | Description |
|---|---|
| **log console** | Specifies the types of messages displayed on the console. |
| **show begin** | Begins the output of any **show** command from a specified string. |
| **show exclude** | Filters **show** command output so that it excludes lines that contain a particular regular expression. |
| **show include** | Filters **show** command output so that it displays only lines that contain a particular regular expression. |

# show logs

To show the existing log files on the CUE module, use the **show logs** command in Cisco Unity Express EXEC mode.

**show logs**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Usage Guidelines

See the “Related Commands” section for filtering options.

## Examples

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

```
se-10-0-0-0# show logs

install.log
dmesg
syslog.log
atrace_save.log
atrace.log
klog.log
messages.log
root_heapdump2749.1023408628.txt
```

## Related Commands

| Command | Description |
|---|---|
| **log trace boot** | Configures trace logging options. |
| **show begin** | Begins the output of any **show** command from a specified string. |
| **show exclude** | Filters **show** command output so that it excludes lines that contain a particular regular expression. |
| **show include** | Filters **show** command output so that it displays only lines that contain a particular regular expression. |

# show memory

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

**show memory**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced. |

## Examples

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

```
se-10-0-0-0# show memory

Total Memory (kB):            245216
Active Memory (kB):           23728
Inactive Memory (kB):         196620
Other Memory (kB):            19760
MemoryPool (kB):              5108

Kernel Memory
  TOTAL    INUSE  MAXUSED     ERR TYPE
   5768     5368     6795       0 fs
   7040     6828     7499       0 other
    156      100      186       0 net
```

Table 52 describes the significant fields shown in the display.

*Table 52 show memory Field Descriptions*

| Field | Description |
|---|---|
| Total Memory (kB) | The total amount of memory available to the kernel.<br>**Note** Some of the physical memory may be reserved and therefore not included in this number. |
| Active Memory (kB) | The portion of process memory accessed recently by code somewhere in the system. |
| Inactive Memory (kB) | The portion of process memory that has not been accessed recently. |
| Other Memory (kB) | Memory allocated for nonprocess use. |
| MemoryPool (kB) | Memory not allocated for any use. |
| **Kernel Memory** | |
| TOTAL | The amount of memory reserved for this type. |

*Table 52 show memory Field Descriptions (continued)*

| Field | Description |
|---|---|
| INUSE | The portion of the reserved memory that is currently being used. |
| MAXUSED | The peak INUSE value since the last reboot. |
| ERR | The number of times allocations for this use have failed. |
| TYPE | There are three types possible:<br>• fs—File system<br>• net—Network protocols<br>• other—All other types |

## Related Commands

| Command | Description |
|---|---|
| show processes | Displays subsystem status and statistics for the CUE module. |

# show messaging-gateway

To display the details associated with the registration of the messaging gateway, use the **show messaging-gateway** command in Cisco Unity Express EXEC mode.

**show messaging-gateway**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 3.1 | This command was introduced. |

## Usage Guidelines

This command shows the status of the primary and secondary gateways and whether autoregistration and the ability to lookup phone numbers in the remote directory are enabled.

## Examples

The following example shows output from this command:

```
se-10-0-0-0# show messaging-gateway

Messaging gateways :

AutoRegister to gateway(s) : Enabled
Remote directory lookup : Enabled (with TUI prompt)

Primary messaging gateway :
 1.100.50.100(80)
 Status : Registered (Tue Aug 21 17:09:08 PDT 2006)
 Reg-expiration : Wed Aug 22 17:09:08 PDT 2006
 Default route : Yes
 Location-id : 1234
 Reg-id : 1234
 Reg-password : (Not displayed)
 Retry-interval : 10 minute(s)

Secondary messaging gateway :
        Status : Not Configured
```

*Table 53 show network detail location id Field Descriptions*

| Field | Description |
|---|---|
| AutoRegister to gateway(s) : | Whether autoregistration is enabled. |
| Remote directory lookup : | Whether the ability to lookup phone numbers in the remote directory is enabled. |

*Table 53 show network detail location id Field Descriptions (continued)*

| Field | Description |
|---|---|
| Primary messaging gateway : | Configuration status of the primary messaging gateway |
| Secondary messaging gateway: | Configuration status of the secondary messaging gateway |

## Related Commands

| Command | Description |
|---|---|
| **messaging-gateway** | Specifies the location ID and IP address for the primary or secondary messaging gateway. |
| **messaging-gateway registration** | Causes the endpoint (Cisco Unity Express) to send a registration message to its messaging gateway. |

# show network detail local

To display network information for the local Cisco Unity Express location, use the **show network detail local** command in Cisco Unity Express EXEC mode.

**show network detail local**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced. |
| 2.1 | Broadcast message and vCard information was added to the display. |

## Usage Guidelines

Use this command to display information about the local Cisco Unity Express site, including the location ID, name, abbreviation, e-mail domain, minimum and maximum extension lengths, phone prefix, VPIM encoding type, if spoken name is enabled, status of vCard enabling, the VPIM broadcast message ID, and the number of messages sent and received.

## Examples

The following example shows detailed information about the local Cisco Unity Express site called “San JoseCA”:

```
se-10-0-0-0# show network detail local

Location ID:               10
Name:                      SanJoseCA
Abbreviation:              sjc
Email domain:              sjc.cue.abcdef.com
Minimum extension length:  2
Maximum extension length:  15
Phone prefix:
VPIM encoding:             G726
Send spoken name:          enabled
Send vCard:                enabled
State:                     enabled
VPIM broadcast ID:         vpim-broadcast
Sent msg count:            0
Received msg count:        0
```

Table 54 describes the significant fields shown in the display.

*Table 54 show network detail local Field Descriptions*

| Field | Description |
|---|---|
| Location ID: | Location ID for the local network. |
| Name: | Name of the local location. |

*Table 54 show network detail local Field Descriptions*

| Field | Description |
|---|---|
| Abbreviation: | Abbreviated name of the remote location. |
| Email domain: | E-mail domain name for the remote location. |
| Minimum extension length: | Minimum number of digits for extensions at this location. |
| Maximum extension length: | Maximum number of digits for extensions at this location. |
| Phone prefix: | Prefix for dialing an extension at this location. |
| VPIM encoding: | Type of VPIM encoding for this location. |
| Send spoken name: | Status of whether this location can send spoken names for subscribers. |
| Send vCard: | Status of whether this location can send vCard information for subscribers. |
| State: | Status of the remote location to send and receive messages. |
| VPIM broadcast ID: | VPIM broadcast ID for this location. |
| Sent msg count: | Number of messages sent to this location. |
| Received msg count: | Number of messages received from this location. |

## Related Commands

| Command | Description |
|---|---|
| **show network detail location id** | Displays network information for a specified Cisco Unity Express location ID. |

# show network detail location id

To display network information for a specified Cisco Unity Express location ID, use the **show network detail location id** command in Cisco Unity Express EXEC mode.

**show network detail location id** *number*

## Syntax Description

| | |
|---|---|
| *number* | ID number of the Cisco Unity Express network location. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced. |
| 2.1 | Broadcast message and voice card information was added to the display. |
| 3.0 | This command was extended to also display the digits prepended to the calling number rule for the live-reply feature. |

## Usage Guidelines

This command provides detailed information about the specified Cisco Unity Express location, including the name, abbreviation, e-mail domain, minimum and maximum extension lengths, phone prefix, VPIM encoding type, if spoken name is enabled, voice card enable status, broadcast message status, the number of messages sent and received, and the digits prepended to the calling number rule.

## Examples

The following example shows information about the remote Cisco Unity Express location with the ID of 102:

```
se-10-0-0-0# show network detail location id 102

Name:                       Dallas/Fort Worth
Abbreviation:               DFW
Email domain:               dfw.mycompany.com
Minimum extension length:   2
Maximum extension length:   15
Phone prefix:               4
VPIM encoding:              dynamic
Send spoken name:           enabled
Send vCard:                 enabled
State:                      enabled
VPIM broadcast ID:          vpim-broadcast
Sent msg count:             0
Received msg count:         0
Live-reply calling number rule prepend: 91
```

Table 55 describes the significant fields shown in the display.

*Table 55 show network detail location id Field Descriptions*

| Field | Description |
|---|---|
| Name: | Name of the remote location. |
| Abbreviation: | Abbreviated name of the remote location. |
| Email domain: | E-mail domain name for the remote location. |
| Minimum extension length: | Minimum number of digits for extensions at this location. |
| Maximum extension length: | Maximum number of digits for extensions at this location. |
| Phone prefix: | Prefix for dialing an extension at this location. |
| VPIM encoding: | Type of VPIM encoding for this location. |
| Send spoken name: | Status of whether this location can send spoken names for subscribers. |
| Send vCard: | Status of whether this location can send voice card information for subscribers. |
| State: | Status of the remote location to send and receive messages. |
| VPIM broadcast ID: | VPIM broadcast ID for this location. |
| Sent msg count: | Number of messages sent to this location. |
| Received msg count: | Number of messages received from this location. |
| Live-reply calling number rule prepend: | Digits prepended to the calling number rule. |

## Related Commands

| Command | Description |
|---|---|
| **show network detail local** | Displays network information for the local Cisco Unity Express location. |

# show network locations

To display information about Cisco Unity Express locations, use the **show network locations** command in Cisco Unity Express EXEC mode.

**show network locations**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced. |

## Usage Guidelines

Use this command to verify the location ID, name, abbreviation, and domain name for each configured Cisco Unity Express network location.

## Examples

The following example shows the network locations for a Cisco Unity Express system:

```
se-10-0-0-0# show network locations

ID        NAME                              ABBREV  DOMAIN
101       'San Jose'                        SJC     sjc.mycompany.com
102       'Dallas/Fort Worth'               DFW     dfw.mycompany.com
201       'Los Angeles'                     LAX     lax.mycompany.com
202       'Canada'                          CAN     can.mycompany.com
301       'Chicago'                         CHI     chi.mycompany.com
302       'New York'                        NYC     nyc.mycompany.com
401      'Bangalore'                      BAN    bang.mycompany.com
```

## Related Commands

| Command | Description |
|---|---|
| **show network detail local** | Displays network information for the local Cisco Unity Express location. |
| **show network detail location id** | Displays network information for a specified Cisco Unity Express location ID. |

# show network locations cached

To display information about all remote location entries cached on Cisco Unity Express, use the **show network locations cached** command in Cisco Unity Express EXEC mode.

**show network locations cached**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 3.1 | This command was introduced. |

## Usage Guidelines

Use this command to verify the location ID, name, abbreviation, and domain name for each remote network location on cached Cisco Unity Express.

## Examples

The following example shows the remote network location entries cached on a Cisco Unity Express system:

```
se-10-0-0-0# show network locations cached

ID        NAME                                ABBREV  DOMAIN
101       'San Jose'                          SJC     sjc.mycompany.com
102       'Dallas/Fort Worth'                 DFW     dfw.mycompany.com
201       'Los Angeles'                       LAX     lax.mycompany.com
202       'Canada'                            CAN     can.mycompany.com
301       'Chicago'                           CHI     chi.mycompany.com
302       'New York'                          NYC     nyc.mycompany.com
401      'Bangalore'                        BAN    bang.mycompany.com
```

## Related Commands

| Command | Description |
|---|---|
| **show network detail local** | Displays network information for the local Cisco Unity Express location. |
| **show network detail location id** | Displays network information for a specified Cisco Unity Express location ID. |
| **show network locations configured** | Displays information about all remote location entries configured on Cisco Unity Express. |

# show network locations configured

To display information about all remote location entries configured on Cisco Unity Express, use the **show network locations configured** command in Cisco Unity Express EXEC mode.

**show network locations configured**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 3.1 | This command was introduced. |

## Usage Guidelines

Use this command to verify the location ID, name, abbreviation, and domain name for each remote network location configured on Cisco Unity Express. This command replaces the existing **show network locations** command**.**

## Examples

The following example shows the remote network locations configured for a Cisco Unity Express system:

```
se-10-0-0-0# show network locations configured

ID        NAME                              ABBREV  DOMAIN
101       'San Jose'                        SJC     sjc.mycompany.com
102       'Dallas/Fort Worth'               DFW     dfw.mycompany.com
201       'Los Angeles'                     LAX     lax.mycompany.com
202       'Canada'                          CAN     can.mycompany.com
301       'Chicago'                         CHI     chi.mycompany.com
302       'New York'                        NYC     nyc.mycompany.com
401      'Bangalore'                      BAN    bang.mycompany.com
```

## Related Commands

| Command | Description |
|---|---|
| **show network detail local** | Displays network information for the local Cisco Unity Express location. |
| **show network detail location id** | Displays network information for a specified Cisco Unity Express location ID. |
| **show network locations cached** | Displays information about all remote location entries cached on Cisco Unity Express. |

# show network queues

To display information about messages in the outgoing queue on a Cisco Unity Express system, use the **show network queues** command in Cisco Unity Express EXEC mode.

**show network queues**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced. |

## Usage Guidelines

The queue information contains three displays: one for running job queue information, one for urgent job queue information, and one for normal job queue information.

## Examples

The following example shows output from the **show network queues** command:

```
se-10-0-0-0# show network queues

Running Job Queue
=================

ID    TYPE TIME       RETRY SENDER          RECIPIENT
107   VPIM 06:13:26   20    jennifer        1001@sjc.mycompany.com
106   VPIM 06:28:25   20    jennifer        1001@sjc.mycompany.com

Urgent Job Queue
=================

ID    TYPE TIME       RETRY SENDER          RECIPIENT
123   VPIM 16:33:39   1     andy            9003@lax.mycompany.com

Normal Job Queue
=================

ID    TYPE TIME       RETRY SENDER          RECIPIENT
122   VPIM 16:33:23   1     andy            9001@lax.mycompany.com
124   VPIM 16:34:28   1     andy            9003@lax.mycompany.com
125   VPIM 16:34:57   1     andy            9002@lax.mycompany.com
```

Table 56 describes the significant fields shown in the display.

*Table 56 show network queues Field Descriptions*

| Field | Description |
|---|---|
| ID | ID of the message job in the queue. |
| TYPE | Type of job. |
| TIME | Time the job entered the queue. |
| RETRY | Number of retries to send the message to the recipient. |
| SENDER | User ID of the message sender. |
| RECIPIENT | User ID of the recipient of the message. |

## Related Commands

| Command | Description |
|---|---|
| show network locations | Displays information about Cisco Unity Express network locations. |

# show notification configuration

To display the configured thresholds for SNMP notifications, use the **show notification configuration** command in Cisco Unity Express EXEC mode.

**show notification configuration**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Release | Modification |
|---|---|
| 2.2 | This command was introduced on the Cisco Unity Express NM-CUE, AIM-CUE, and NM-CUE-EC. |

## Examples

The following example shows output from the **show notification configuration** command:

```
se-10-0-0-0# show notification configuration

Login user threshold:          10    (errors within a 5 minute interval)
Login password threshold:      30    (errors within a 5 minute interval)
PIN uid threshold:             12    (errors within a 5 minute interval)
PIN password threshold:        8     (errors within a 5 minute interval)
PIN reset threshold:           3     (resets within a 5 minute interval)
```

## Related Commands

| Command | Description |
|---|---|
| **notification security login password** | Sets the threshold for SNMP login password failures. |
| **notification security login user** | Sets the threshold for SNMP login user failures. |
| **notification security pin password** | Sets the threshold for SNMP PIN password failures. |
| **notification security pin reset** | Sets the threshold for SNMP PIN password resets. |
| **notification security pin uid** | Sets the threshold for SNMP PIN user ID failures. |
| **show ntp servers** | Displays the configured SNMP information. |

# show ntp associations

To display the association identifier and status for all Network Time Protocol (NTP) servers, use the **show ntp associations** command in Cisco Unity Express EXEC mode.

**show ntp associations** [**assoc-id** *association-id*]

## Syntax Description

| | |
|---|---|
| **assoc-id** *association-id* | (Optional) Displays detailed information about the specified association ID. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 1.1.2 | This command was introduced on the Cisco Unity Express network module (NM) and the advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express.<br>**Note** A similar Cisco IOS command was introduced in Cisco IOS Release 10.0. |

## Usage Guidelines

The **show ntp associations** command displays the association identifier and status for all the NTP servers configured for Cisco Unity Express but does not provide detailed information about the servers. The **show ntp associations assoc-id** *association-id* command provides detailed information on the status of a specified NTP server.

Use the status field to determine the configuration and status of all the NTP servers. This field consists of 4 hexadecimal digits:

- The first two digits specify the server configuration and how far it progressed through the clock selection process. See Table 57.
- The second two digits indicate the number of events and the type of the last event. See Table 58.

Table 57 shows common status codes and their meanings. The first digit specifies the configuration, reachability, and authentication status for the specified server. The second digit records how well the specified server passed through the clock selection algorithm.

***Table 57 Status Field Code Values***

| Status Field Codes | Meaning |
|---|---|
| 1xxx | Server has sent a peer synchronization request to the local machine, but the server is not configured locally. |
| 7xxx | Server is a peer that is not configured locally but is reachable and using proper authentication. |
| 8xxx | Server is configured but not authenticated or reachable. |
| 9xxx | Server is configured and reachable. |

*Table 57 Status Field Code Values (continued)*

| Status Field Codes | Meaning |
|---|---|
| Cxxx | Server is configured to use authentication but is not reachable. |
| Dxxx | Server is configured to use authentication and is reachable but is not using a trusted key. |
| Fxxx | Server is authenticated as a trusted server and is reachable. |
| x0xx | Server did not pass any sanity checks and is rejected by the client. Possible causes for this condition include the server failing to authenticate, the server having a huge error bound (over 16 seconds), or the server existing on a higher stratum number than the client. |
| x1xx | Server passed the sanity checks but was not close enough to other servers to survive the intersection algorithm. This indicates that the server's clock was outside the largest possible error bounds of the other clocks, a condition that almost certainly indicates that the server is set to the wrong time. |
| x2xx | Server passed the correctness checks (intersection algorithm). This value indicates that the server is probably configured correctly. |
| x3xx | Server passed the candidate checks. This means that the server was not discarded because there were too many good servers (over 10). |
| x4xx | Server passed through the clustering algorithms without being discarded as an outlier having too much dispersion. |
| x5xx | Server would be the synchronization source but is too far away. This means that all the other clocks did not pass the sanity check or are too far away also. |
| x6xx | Server is the current synchronization source. This is the preferred server status. |
| x7xx to xFxx | Reserved values. These should not occur in normal usage. |

Table 58 lists the event codes. The third digit indicates the number of events that have occurred since the last time an error was returned to the console by NTP or by one of the **show ntp** commands. This value does not wrap and stops incrementing at 15 (or hex F).

For a properly running server, the value should be xx1x, unless one of the **show ntp** commands has queried the server since startup. In that case, the value should be xx0x. If the third digit is any other value, check for the event causing errors.

The fourth digit in the field indicates the last event that occurred. For properly running servers, the event should be the server becoming reachable.

*Table 58 Event Field Code Values*

| Event Field Codes | Meaning |
|---|---|
| xxx0 | Unspecified event. Either no events have occurred or some sort of special error has occurred. |
| xxx1 | IP error occurred reaching the server. |
| xxx2 | Unable to authenticate a server that used to be reachable. This indicates that the keys changed or someone is spoofing the server. |
| xxx3 | Formerly reachable server is now unreachable. |
| xxx4 | Formerly unreachable server is now reachable. |

*Table 58 Event Field Code Values (continued)*

| Event Field Codes | Meaning |
|---|---|
| xxx5 | Server's clock had an error. |
| xxx6 to xxxF | Reserved values. These should not occur in normal usage. |

The flash field indicates the status of the packets while a series of 12 diagnostic tests are performed on them. The tests are performed in a specified sequence to gain maximum information while protecting against accidental or malicious errors.

The flash variable is set to zero as each packet is received. If any bits are set as a result of the tests, the packet is discarded.

The tests look for the following information:

- TEST1 through TEST3 check the packet time stamps from which the offset and delay are calculated. If no bits are set, the packet header variables are saved.
- TEST4 and TEST5 check access control and cryptographic authentication. If no bits are set, no values are saved.
- TEST6 through TEST8 check the health of the server. If no bits are set, the offset and delay relative to the server are calculated and saved.
- TEST9 checks the health of the association. If no bits are set, the saved variables are passed to the clock filter and mitigation algorithm.
- TEST10 through TEST12 check the authentication state using Autokey public-key cryptography. If any bits are set and the association was previously marked as reachable, the packet is discarded. Otherwise, the originate and receive time stamps are saved and processing continues.

Table 59 lists the flash bits for each test.

*Table 59 Flash Field Diagnostic Bit Values*

| Flash Bit Values | Meaning |
|---|---|
| 0x001 | TEST1. Duplicate packet. The packet is at best a casual retransmission and at worst a malicious replay. |
| 0x002 | TEST2. Bogus packet. The packet is not a reply to a message previously sent. This can happen when the NTP daemon is restarted. |
| 0x004 | TEST3. Unsynchronized. One or more time-stamp fields are invalid. This normally happens when the first packet from a peer is received. |
| 0x008 | TEST4. Access is denied. |
| 0x010 | TEST5. Cryptographic authentication fails. |
| 0x020 | TEST6. Server is unsynchronized. Wind up its clock first. |
| 0x040 | TEST7. Server stratum is at the maximum of 15. The server is probably unsynchronized, and its clock needs to be wound up. |
| 0x080 | TEST8. Either the root delay or the dispersion is greater than 1 second. |
| 0x100 | TEST9. Either the peer delay or the dispersion is greater than 1 second. |
| 0x200 | TEST10. Autokey protocol has detected an authentication failure. |

*Table 59 Flash Field Diagnostic Bit Values (continued)*

| Flash Bit Values | Meaning |
|---|---|
| 0x400 | TEST11. Autokey protocol has not verified the server, or the peer is proventic and has valid key credentials. |
| 0x800 | TEST12. Protocol or configuration error has occurred in the public key algorithm, or a possible intrusion event has been detected. |

## Examples

The following is sample output for the **show ntp associations** command:

```
se-10-0-0-0# show ntp associations

ind assID status  conf reach auth condition  last_event cnt
===========================================================
  1 37773  9624   yes   yes  none  sys.peer   reachable  2
```

Table 60 describes the significant fields shown in the display.

*Table 60 show ntp associations Field Descriptions*

| Field | Description |
|---|---|
| ind | Index number of the association. |
| assID | Peer identifier returned by the server. |
| status | Hexadecimal value of the server status. See Table 57 and Table 58 for a description of these field codes. |
| conf | Indicates whether the server is configured or not. Valid values are yes and no. |
| reach | Indicates whether the peer is reachable or not. Valid values are yes and no. |
| auth | Status of the server authentication. Valid values are:<br>• ok<br>• bad<br>• none<br>• “ ” |
| condition | Type of association in the clock selection process. Valid values are:<br>• space—Reject: Peer is discarded as unreachable.<br>• falsetick—Peer is discarded as a false tick.<br>• excess—Peer is discarded as not among the 10 closest peers.<br>• outlier—Peer is discarded as an outlier.<br>• candidate—Peer selected for possible synchronization.<br>• selected—Almost synchronized to this peer.<br>• sys.peer—Synchronized to this peer.<br>• pps.peer—Synchronized to this peer on the basis of a pulse-per-second signal. |

*Table 60 show ntp associations Field Descriptions (continued)*

| Field | Description |
|---|---|
| last_event | Last event that occurred in the system. Valid values are:<br>• (empty)<br>• IP error<br>• Auth fail<br>• lost reach<br>• reachable<br>• clock expt<br>See Table 58 for descriptions of these values. |
| cnt | Number of events that occurred since the last time an error was returned to the console by NTP. This value does not wrap and stops incrementing at 15 (or hex F). For a properly functioning server, this value should be 1 or 0. |

The following is sample output for the **show ntp associations assoc-id** command:

```
se-10-0-0-0# show ntp associations assoc-id 37773

status=9624 reach, conf, sel_sys.peer, 2 events, event_reach,
srcadr=10.10.10.65, srcport=123, dstadr=10.10.5.2, dstport=123, leap=00,
stratum=8, precision=-18, rootdelay=0.000, rootdispersion=0.031,
refid=127.127.7.1, reach=377, unreach=0, hmode=3, pmode=4, hpoll=10,
ppoll=10, flash=00 ok, keyid=0, offset=-1.139, delay=0.430,
dispersion=14.821, jitter=0.158,
reftime=af4a3bee.f4749337  Thu, Mar 11 1993 14:30:06.954,
org=af4a3bf8.3f18b455  Thu, Mar 11 1993 14:30:16.246,
rec=af4a3bf8.3f71758e  Thu, Mar 11 1993 14:30:16.247,
xmt=af4a3bf8.3f545c78  Thu, Mar 11 1993 14:30:16.247,
filtdelay=     0.43    0.63    0.58    0.58    0.48    0.34    0.54    0.45,
filtoffset=   -1.14   -0.98   -0.96   -0.90   -0.90   -0.79   -0.47   -0.45,
filtdisp=      0.01   15.40   30.79   46.14   61.48   76.83   92.19   99.90
```

Table 61 describes the significant fields shown in the display.

*Table 61 show ntp associations assoc-id Field Descriptions*

| Field | Description |
|---|---|
| status | Status of the peer. See Table 57, Table 58, and Table 60 for descriptions of the values in this line. |
| srcadr | IP address of the host server. |
| srcport | Port address of the host server. |
| dstadr | IP address of the destination server. |
| dstport | Port address of the destination server. |

*Table 61 show ntp associations assoc-id Field Descriptions (continued)*

| Field | Description |
|---|---|
| leap | Two-bit code warning of an impending leap second to be inserted in the NTP timescale. Valid values are:<br>• 00—No warning<br>• 01—Last minute has 61 seconds<br>• 10—Last minute has 59 seconds<br>• 11—Alarm condition (clock not synchronized) |
| stratum | Server hop count to the primary clock source. Valid values are:<br>• 0—Unspecified<br>• 1—Primary clock reference<br>• 2–255—Secondary reference via NTP<br>If the stratum value is 15, the server is probably unsynchronized and its clock needs to be reset. |
| precision | Precision of the clock, in seconds to the power of two. |
| rootdelay | Total round-trip delay, in seconds, to the primary reference source at the root of the synchronization subnet. |
| rootdispersion | Maximum error, in seconds, relative to the primary reference source at the root of the synchronization subnet. |
| refid | IP address of the peer selected for synchronization. |
| reach | Peer reachability status history, in octal. Each bit is set to 1 if the server is reached during a polling period and is set to 0 otherwise. The value 377 indicates that the last 8 attempts were good. |
| unreach | Number of poll intervals since the last valid packet was received. |
| hmode | Association mode of the host server. Valid values are:<br>• 0—Unspecified<br>• 1—Symmetric active<br>• 2—Symmetric passive<br>• 3—Client<br>• 4—Server<br>• 5—Broadcast<br>• 6—Reserved for NTP control messages<br>• 7—Reserved for private use |

*Table 61 show ntp associations assoc-id Field Descriptions (continued)*

| Field | Description |
|---|---|
| pmode | Association mode of the peer server. Valid values are:<br>• 0—Unspecified<br>• 1—Symmetric active<br>• 2—Symmetric passive<br>• 3—Client<br>• 4—Server<br>• 5—Broadcast<br>• 6—Reserved for NTP control messages<br>• 7—Reserved for private use |
| hpoll | Minimum interval, in seconds as a power of two, between transmitted messages from the host. |
| ppoll | Minimum interval, in seconds as a power of two, between transmitted messages to the peer. |
| flash | Status of the packet after a series of diagnostic tests are performed on the packet. See the description of the flash field values in Table 59. |
| keyid | ID of the cryptographic key used to generate the message-authentication code. |
| offset | Time difference between the client and the server, in milliseconds. |
| delay | Round-trip delay of the packet, in milliseconds. |
| dispersion | Measure, in milliseconds, of how scattered the time offsets have been from a given time server. |
| jitter | Estimated time error, in milliseconds, of the Cisco Unity Express clock measured as an exponential average of RMS time differences. |
| reftime | Local time, in time-stamp format, when the local clock was last updated. If the local clock has never been synchronized, the value is zero. |
| org | Local time, in time-stamp format, at the peer when its latest NTP message was sent. If the peer becomes unreachable, the value is zero. |
| rec | Local time, in time-stamp format, when the latest NTP message from the peer arrived. If the peer becomes unreachable, the value is zero. |
| xmt | Local time, in time-stamp format, at which the NTP message departed the sender. |
| filtdelay | Round-trip delay, in seconds, between the peer clock and the local clock over the network between them. |

*Table 61 show ntp associations assoc-id Field Descriptions (continued)*

| Field | Description |
|---|---|
| filtoffset | Offset, in seconds, of the peer clock relative to the local clock. |
| filtdisp | Maximum error, in seconds, of the peer clock relative to the local clock over the network between them. Only values greater than zero are possible. |

## Related Commands

| Command | Description |
|---|---|
| **show ntp servers** | Displays a list of NTP servers and their current states. |
| **show ntp source** | Displays the primary time source for an NTP server. |

# show ntp servers

To display a list of Network Time Protocol (NTP) servers and their current states, use the **show ntp servers** command in Cisco Unity Express EXEC mode.

**show ntp servers**

## Syntax Description

This command has no keywords or arguments.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 1.1.2 | This command was introduced on the Cisco Unity Express network module (NM) and advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express. |

## Usage Guidelines

This command displays a list of NTP servers, their states, and a summary of the remote peers associated with each server.

## Examples

The following is sample output for the **show ntp servers** command:

```
se-10-0-0-0# show ntp servers

remote           refid      st t when poll reach   delay   offset  jitter
==============================================================================
*10.100.10.65 127.127.7.1     8 u  933 1024  377    0.430   -1.139   0.158
space reject,        x falsetick,        . excess,           - outlyer
+ candidate,         # selected,         * sys.peer,         o pps.peer
```

Table 62 describes the significant fields shown in the display.

*Table 62 show ntp servers Field Descriptions*

| Field | Description |
|---|---|
| remote | IP address of the remote server. |
| refid | Server's current time source. |
| st | Hop count (stratum) to the remote server. |
| t | Type of peer. Valid values are:<br>• l—Local<br>• u—Unicast<br>• m—Multicast<br>• b—Broadcast |

*Table 62 show ntp servers Field Descriptions*

| Field | Description |
|---|---|
| when | Time when the last packet was received. |
| poll | Polling interval, in seconds. |
| reach | Peer reachability status history, in octal. Each bit is set to 1 if the server is reached during a polling period and is set to 0 otherwise. The value 377 indicates that the last 8 attempts were good. |
| delay | Round-trip delay of the packet, in milliseconds. |
| offset | Time difference between the client and the server, in milliseconds. |
| jitter | Estimated time error, in milliseconds, of the Cisco Unity Express clock measured as an exponential average of RMS time differences. |
| (tally code) | The character preceding the remote IP address indicates the status of the association in the clock selection process. Valid values are:<br>• space Reject: Peer is discarded as unreachable.<br>• x Falsetick: Peer is discarded as a false tick.<br>• . Excess: Peer is discarded as not among the ten closest peers.<br>• – Outlier: Peer is discarded as an outlier.<br>• + Candidate: Peer selected for possible synchronization.<br>• # Selected: Almost synchronized to this peer.<br>• * Sys.peer: Synchronized to this peer.<br>• o PPS.peer: Synchronized to this peer on the basis of a pulse-per-second signal. |

## Related Commands

| Command | Description |
|---|---|
| **ntp server** | Configures the NTP server. |
| **show ntp associations** | Displays a list of association identifiers and peer statuses for an NTP server. |
| **show ntp source** | Displays the time source for an NTP server. |

# show ntp source

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

**show ntp source** [**detail**]

## Syntax Description

| | |
|---|---|
| **detail** | (Optional) Displays detailed information about the NTP servers. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 1.1.2 | This command was introduced on the Cisco Unity Express network module (NM) and advanced integration module (AIM) for both Cisco Unified Communications Manager and Cisco Unified Communications Manager Express. |

## Usage Guidelines

This command displays the chain of NTP servers back to their primary time source, starting from the local host.

## Examples

The following is sample output for the **show ntp source** command:

```
se-10-0-0-0# show ntp source

127.0.0.1: stratum 9, offset 0.000015, synch distance 0.03047
10.100.10.65: stratum 8, offset -0.001124, synch distance 0.00003
```

Table 63 describes the significant fields shown in the display.

*Table 63 show ntp source Field Descriptions*

| Field | Description |
|---|---|
| (first field) | IP address of the host. |
| stratum | Server hop count to the primary clock source. Valid values are:<br>• 0—Unspecified<br>• 1—Primary clock reference<br>• 2–255—Secondary reference via NTP |
| offset | Time offset between the host and the local host, in seconds. |
| synch distance | Host synchronization distance, which is the estimated error relative to the primary source. |

The following is sample output for the **show ntp source detail** command:

```
se-1-100-5-2# show ntp source detail

server 127.0.0.1, port 123
stratum 9, precision -17, leap 00
refid [10.10.10.65] delay 0.00012, dispersion 0.00000 offset 0.000011
rootdelay 0.00058, rootdispersion 0.03111, synch dist 0.03140
reference time:      af4a3ff7.926698bb  Thu, Mar 11 1993 14:47:19.571
originate timestamp: af4a4041.bf991bc5  Thu, Mar 11 1993 14:48:33.748
transmit timestamp:  af4a4041.bf90a782  Thu, Mar 11 1993 14:48:33.748

server 10.10.10.65, port 123
stratum 8, precision -18, leap 00
refid [172.16.7.1] delay 0.00024, dispersion 0.00000 offset -0.001130
rootdelay 0.00000, rootdispersion 0.00003, synch dist 0.00003
reference time:      af4a402e.f46eaea6  Thu, Mar 11 1993 14:48:14.954
originate timestamp: af4a4041.bf6fb4d4  Thu, Mar 11 1993 14:48:33.747
transmit timestamp:  af4a4041.bfb0d51f  Thu, Mar 11 1993 14:48:33.748
```

Table 64 describes the significant fields shown in the display.

***Table 64 show ntp source detail Field Descriptions***

| Field | Description |
|---|---|
| server | IP address of the host server. |
| port | Port number of the host server. |
| stratum | Server hop count to the primary clock source. Valid values are:<br>• 0—Unspecified<br>• 1—Primary clock reference<br>• 2–255—Secondary reference via NTP |
| precision | Precision of the clock, in seconds to the power of two. |
| leap | Two-bit code warning of an impending leap second to be inserted in the NTP time scale. Valid values are:<br>• 00—No warning<br>• 01—Last minute was 61 seconds<br>• 10—Last minute was 59 seconds<br>• 11—Alarm condition (clock not synchronized) |
| refid | IP address of the peer selected for synchronization. |
| delay | Round-trip delay of the packet, in milliseconds. |
| dispersion | Measure, in milliseconds, of how scattered the time offsets have been from a given time server. |
| offset | Time offset between the host and the local host, in seconds. |
| rootdelay | Total round-trip delay, in seconds, to the primary reference source at the root of the synchronization subnet. |
| rootdispersion | Maximum error, in seconds, relative to the primary reference source at the root of the synchronization subnet. |

*Table 64 show ntp source detail Field Descriptions (continued)*

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

## Related Commands

| Command | Description |
|---|---|
| **show ntp associations** | Displays a list of association identifiers and peer statuses for an NTP server. |
| **show ntp servers** | Displays a list of NTP servers and their current states. |

# show ntp status

To display statistics for the Network Time Protocol (NTP) server, use the **show ntp status** command in Cisco Unity Express EXEC mode.

**show ntp status**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

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

## Examples

The following is sample output for the **show ntp status** command:

```
se-10-0-0-0# show ntp status

NTP reference server 1:       10.100.6.9
Status:                       sys.peer
Time difference (secs):       3.268110005008586E8
Time jitter (secs):           0.17168384790420532
```

Table 65 describes the significant fields shown in the display.

*Table 65 show ntp status Field Descriptions*

| Field | Description |
|---|---|
| NTP reference server 1 | IP address of the NTP server. |
| Status | Status of the peer association in the clock selection process. Valid values are:<br>• Reject: Peer is discarded as unreachable.<br>• Falsetick: Peer is discarded as a false tick.<br>• Excess: Peer is discarded as not among the ten closest peers.<br>• Outlier: Peer is discarded as an outlier.<br>• Candidate: Peer selected for possible synchronization.<br>• Selected: Almost synchronized to this peer.<br>• Sys.peer: Synchronized to this peer.<br>• PPS.peer: Synchronized to this peer on the basis of a pulse-per-second signal. |
| Time difference (secs) | Difference in seconds between the system clock and the NTP server. |
| Time jitter (secs) | Estimated time error, in seconds, of the Cisco Unity Express clock measured as an exponential average of root mean square (RMS) time differences. |

## Related Commands

| Command | Description |
|---|---|
| **clock timezone** | Sets the local time zone. |
| **ntp server** | Specifies the NTP server for Cisco Unity Express. |
| **show clock detail** | Displays clock statistics. |

# show operations

To show all operations, use the **show operations** command in Cisco Unity Express EXEC mode.

**show operations**

## Syntax Description

This command has no arguments or keywords.

## Defaults

None.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.0 | This command was introduced. |

## Usage Guidelines

This command displays all operations, including those created by an administrator and those that are preconfigured.

## Examples

The following example shows the output for the **show operations** command:

```
se-10-0-0-0# show operations
broadcast.local
broadcast.remote
call.control
database.enterprise
group.configuration
network.location
prompt.modify
report.historical.manage
report.historical.view
report.realtime
report.voicemail
restriction.tables
script.modify
security.aaa
security.access
security.password
security.pin
services.configuration
services.exec
services.manage
site.configuration
software.install
spokenname.modify
system.application
system.backup
system.calendar
system.configuration
```

```
system.debug
system.documents
system.numbers
system.sessions
system.view
user.configuration
user.mailbox
user.notification
user.password
user.pin
user.remote
user.supervisor
voicemail.configuration
voicemail.imap.user
voicemail.lists.private.view
voicemail.lists.public
voicemail.mwi
webapp.control
webapp.modify

46 total operation(s)
```

## Related Commands

| Command | Description |
|---|---|
| **privilege** | Adds and configures a new privilege or define the properties of an existing privilege. |
| **show privileges** | Shows all system privileges. |
| **show operations detail** | Shows detailed information for a specific operation. |

# show operations detail

To show detailed information for a specific operation, use the **show operation detail** command in Cisco Unity Express EXEC mode.

**show operation detail** *operation-name*

## Syntax Description

| | |
|---|---|
| *operation-name* | Name of the operation to display. |

## Defaults

None.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.0 | This command was introduced. |

## Examples

The following example shows the output for the **show operation detail** command:

```
se-10-0-0-0# show operation detail security.aaa
Operation:          security.aaa
Description:        Configure AAA services and Radius
CLI:
                    config-aaa-accounting
                    config-aaa-acct-imap
                    config-aaa-authentication-server
                    config-aaa-policy
                    exec-configure-terminal
                    exec-copy-running-config-startup-config
                    exec-show-aaa-accounting
                    exec-show-aaa-policy
                    exec-write

9 total command(s)
```

Table 66 describes the information displayed by this command:

***Table 66 show operation detail Field Descriptions***

| Field | Description |
|---|---|
| Operation | Name used to configure the operation. |
| Description | Description of the configuration actions allowed by this operation. |
| CLI | List of the CLI commands allowed by this operation. |

## Related Commands

| Command | Description |
|---|---|
| **privilege** | Adds and configures a new privilege or define the properties of an existing privilege. |
| **show operations** | Shows all operations. |
| **show privileges** | Shows all system privileges. |

# show phone-authentication configuration

To display the VoiceView Express phone authentication parameters, use the **show phone-authentication configuration** command in Cisco Unity Express EXEC mode.

**show phone-authentication configuration**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.3 | This command was introduced. |
| 3.0 | This command was implemented on the advanced integration module (AIM). |

## Usage Guidelines

This command is not available on Cisco Unified Communications Manager. This command is not available on the AIM in version 2.3 and earlier.

The phone authentication service on Cisco Unity Express handles VoiceView Express authentication requests from the IP phones during the playback and recording of voice messages and greetings. This service is available only when Cisco Unity Express is working with Cisco Unified CME.

This service is enabled by default and cannot be disabled.

If you are integrating Cisco Unity Express with Cisco Unified CME and your network has multiple IP phone services that need authentication, then Cisco Unity Express must act as the primary authentication service and must relay non-Cisco Unity Express service requests to other servers.

Two URLs must be configured:

- The Cisco Unified CME authentication URL must point to Cisco Unity Express. This URL has the format **http://***cue-ip-address***/voiceview/authentication/authenticate.do**.
- The Cisco Unity Express fallback authentication URL must point to the third-party fallback server. This URL has the format **http://***servername/path/filename*. Authentication requests from non-Cisco Unity Express services are relayed to this third-party server.

## Examples

The following is sample output for the **show phone-authentication configuration** command:

```
se-10-0-0-0# show phone-authentication configuration

Authentication service URL:        http://cuehost/voiceview/authentication/authenticate.do
Authentication Fallback Server URL:  http://172.16.10.10/auth-server/authenticate.asp
```

Table 67 describes the significant fields shown in the display.

*Table 67 show phone-authentication configuration Field Descriptions*

| Field | Description |
|---|---|
| Authentication service URL: | Cisco Unified CME authentication service URL that points to Cisco Unity Express. |
| Authentication Fallback Server URL: | URL of the Cisco Unity Express fallback server. |

## Related Commands

| Command | Description |
|---|---|
| **enable (VoiceView Express)** | Enables the VoiceView Express feature. |
| **fallback-url (Cisco Unified Communications Manager Express Only)** | Configures a fallback authentication server. |
| **service phone-authentication** | Enters VoiceView Express phone authentication mode. |
| **service voiceview** | Enters VoiceView Express configuration mode. |
| **service voiceview session terminate** | Terminates an active VoiceView Express session. |
| **session idletimeout (VoiceView Express)** | Specifies the VoiceView Express session idletimeout value. |
| **show voiceview configuration** | Displays all VoiceView Express configuration parameters. |
| **show voiceview sessions** | Displays all active VoiceView Express sessions. |

# show privileges

To show all system privileges, use the **show privileges** command in Cisco Unity Express EXEC mode.

**show privileges**

## Syntax Description

This command has no arguments or keywords.

## Defaults

None.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.0 | This command was introduced. |

## Usage Guidelines

This command displays all privileges, including those created by an administrator and those that are preconfigured.

## Examples

The following example shows the output for the **show privileges** command:

```
se-10-0-0-0# show privileges
broadcast
local-broadcast
manage-passwords
manage-users
ManagePrompts
ManagePublicLists
superuser
ViewHistoricalReports
ViewPrivateList
ViewRealTimeReports
vm-imap

11 total privilege(s)
```

This output shows only the names of the privileges that are currently configured on the system.

## Related Commands

| Command | Description |
|---|---|
| **privilege** | Adds and configures a new privilege or define the properties of an existing privilege. |
| **show operations** | Shows all operations. |
| **show privilege detail** | Shows information for a specific privilege. |

# show privilege detail

To show detailed information for a specific privilege, use the **show privilege detail** command in Cisco Unity Express EXEC mode.

**show privilege detail** *privilege-name* **{expanded}**

## Syntax Description

| | |
|---|---|
| *privilege-name* | Name of the privilege to display. |
| **expanded** | Also display the operations configured for nested privileges. |

## Defaults

None.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 7.0 | This command was introduced. |

## Examples

The following example shows the output for the **show privilege detail** command:

```
se-10-0-0-0# show privilege detail ManagePrompts
Privilege:           ManagePrompts
Description:         Privilege to create, modify, or delete system prompts
Privilege Members:   <none>
Operations:          prompt.modify system.debug
```

Table 68 describes the information displayed by this command:

***Table 68 show privilege detail Field Descriptions***

| Field | Description |
|---|---|
| Privilege | Name used to configure the privilege. |
| Description | Description of the operations allowed by the privilege. |
| Privilege Members | Users that have this privilege. |
| Operations | List of the operations allowed by this privilege. |

## Related Commands

| Command | Description |
|---|---|
| **privilege** | Adds and configures a new privilege or define the properties of an existing privilege. |
| **show operations** | Shows all operations. |
| **show privileges** | Shows all system privileges. |

# show processes

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

**show processes [cpu | memory]**

## Syntax Description

| | |
|---|---|
| **cpu** | (Optional) Displays CPU time. |
| memory | (Optional) Displays process memory usage. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.0 | This command was introduced on the Cisco Unity Express network module. |

## Usage Guidelines

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

## Examples

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

```
se-10-0-0-0# show processes

STATE                    HEALTH   CMD
online                   alive    syslog-ng
online                   alive    platform_config
online                   alive    rbcp
online                   alive    trace
online                   alive    cli
online                   alive    ntp
online                   alive    ldap
online                   alive    superthread
online                   alive    sql
online                   alive    http
online                   alive    ccn
online                   alive    probe
online                   alive    downloader
online                   alive    dns
online                   alive    usermanager
online                   alive    ccn_config
online                   alive    backuprestore
online                   alive    smtp
```

The following is sample output for the **show processes cpu** command:

```
se-10-0-0-0# show processes cpu

Uptime (secs):                953302.54
User time (secs):             2352.6
Kernel time (secs):           38.14
Idle time (secs):             950911.8
```

The following is sample output for the **show processes memory** command:

```
se-10-0-0-0# show processes memory

   VSZ   RSS   SHR   PVT    RD    RW   EXE   DAT   STK  %PVT CMD
 12176  1256   988   268     0   220   780   244    12   0.1 syslog-ng
 20028  1148   928   220     0   296   772    36    44   0.1 platform_config
 11840   964   756   208     0   220   684    36    24   0.1 rbcp
 14076   956   748   208     0   208   688    44    16   0.1 trace
  2080  1084   980   104     0    56   896   116    16   0.0 monitor
 20320  1264  1000   264     0   304   852    76    32   0.1 ntp
 11808  1008   824   184     0   284   676    36    12   0.1 probe
 21256  2096   888  1208     0   352   684  1032    28   0.5 downloader
 19292  3676  2476  1200     0   932  1772   912    60   0.5 ldap
 17040     0     0     0     0     0     0     0     0   0.0 sql
 58992 39248  2056 37192     0   664  2988 34864   732  15.2 superthread
 58560 38616  2900 35716     0   580  4020 33524   492  14.6 http
 81824 45188  2820 42368     0   516  4016 39336  1320  17.3 ccn
 58992 39248  2056 37192     0   664  2988 34864   732  15.2 smtp
 35912 22128  1896 20232     0   556  2920 18444   208   8.3 cli
```

Table 69 describes the fields shown in the **show processes** command output.

***Table 69 show process Field Descriptions***

| Field | Description |
|---|---|
| State | There are two possible states:<br>• online—The subsystem is ready to handle requests.<br>• ready-to-go-online—The subsystem is ready, but the main processing system has not brought the subsystem online. |
| Health | There are two possible health conditions:<br>• alive—The primary thread of the process exists.<br>• dead—The primary thread of the process does not exist. Usually, a dead primary thread will cause the subsystem to restart. |
| CMD | The name of the subsystem. |

Table 70 describes the fields shown in the **show processes cpu** command output.

***Table 70 show process cpu Field Descriptions***

| Field | Description |
|---|---|
| Uptime (secs) | The number of seconds since the last reboot. |
| User time (secs) | The number of seconds since the last reboot that the system has spent executing nonprivileged code. |
| Kernel time (secs) | The number of seconds since the last reboot that the system has spent executing privileged code. |
| Idle time (secs) | The number of seconds since the last reboot that the system spent idle. |

Table 71 describes the fields shown in the **show process memory** command output.

*Table 71 show process memory Field Descriptions*

| Field | Description |
|---|---|
| VSZ | The size of the process address space, in kilobytes. |
| RSS | The amount of physical memory, in kilobytes, in use by the process. |
| SHR | The portion of RSS, in kilobytes, that is shared with other processes. |
| PVT | The portion of RSS, in kilobytes, that is private to this process. |
| RD | Size of file-mapped, read-only data memory, in kilobytes. |
| RW | Size of file-mapped, read-write data memory, in kilobytes. |
| EXE | Size of file-mapped, read-only executable memory, in kilobytes. |
| DAT | Size of non-stack, non-file mapped, read-write memory, in kilobytes. |
| STK | Size of native thread stacks. Non-file-mapped, read-write memory. |
| %PVT | The percentage of RSS that is private to this process. |
| CMD | The name of the subsystem. |

## Related Commands

| Command | Description |
|---|---|
| show memory | Displays memory information for the CUE module. |

# show remote cache

To display the contents of the least recently used (LRU) cache, use the **show remote cache** command in the Cisco Unity Express EXEC mode.

**show remote cache**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.1 | This command was introduced. |

## Examples

The following example displays the list of subscribers in the remote cache.

```
se-10-0-0-0# show remote cache

Remote user cache is enabled
ID           LOCATION  EXTENSION    LAST ACCESSED TIME
3014001        sjc     5555         Tue Sep 21 10:38:28 PDT 2004
6661005        nyc     1111         Tue Sep 21 14:55:11 PDT 2004
```

Table 72 describes the significant fields shown in the display.

*Table 72 show remote cache Field Descriptions*

| Field | Description |
|---|---|
| ID | Location ID of the remote subscriber. |
| LOCATION | Location name of the remote subscriber. |
| EXTENSION | Extension of the remote subscriber. |
| LAST ACCESSED TIME | The most recent date and time when the remote subscriber was accessed. |

## Related Commands

| Command | Description |
|---|---|
| **remote cache enable** | Enables the LRU cache on the local system. |

# show remote user detail

To display the details of a specific remote subscriber that is configured on the local system, use the **show remote user detail** command in Cisco Unity Express EXEC mode.

**show remote user detail username** *username*

## Syntax Description

| | |
|---|---|
| **username** *username* | Name of the remote subscriber. |

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.1 | This command was introduced. |

## Examples

The following example displays the details for remote subscriber User Anyone:

```
se-10-0-0-0# show remote user detail username useranyone
Full Name: User Anyone
First Name: User
Last Name: Anyone
Nick Name:
Extension: 84444
Location Id: sjc
```

## Related Commands

| Command | Description |
|---|---|
| **remote username location** | Configures a remote subscriber on the local Cisco Unity Express system. |
| **show remote userss** | Displays all remote subscribers configured on the local system. |

# show remote users

To display the details of all remote subscribers that are configured on the local system, use the **show remote users** command in Cisco Unity Express EXEC mode.

**show remote users**

## Syntax Description

This command has no arguments or keywords.

## Command Modes

Cisco Unity Express EXEC

## Command History

| Cisco Unity Express Version | Modification |
|---|---|
| 2.1 | This command was introduced. |

## Examples

The following example displays a list of all configured remote subscribers on the local system:

```
se-10-0-0-0# show remote users

user1
user2
user3
user4
```

## Related Commands

| Command | Description |
|---|---|
| **remote username location** | Configures a remote subscriber on the local Cisco Unity Express system. |
| **show remote user detail** | Displays details for a specific remote subscriber configured on the local system. |