Status and Configuration

This chapter provides information on administering the system and contains the following topics:

Cluster Nodes

To view information on the nodes in the cluster, follow this procedure:

Procedure

Step 1   From the Cisco Unified Communications Operating System Administration window navigate to **Show > Cluster**.

The Cluster Nodes window displays.

Step 2   For a description of the fields on the Cluster Nodes window, see Table 3-1.

Table 3-1   Cluster Nodes Field Descriptions

Field	Description
Hostname	Displays the complete hostname of the server.
IP Address	Displays the IP address of the server.
Alias	Displays the alias name of the server, when defined.
Type of Node	Indicates whether the server is a publisher node or a subscriber node.

Hardware Status

To view the hardware status, follow this procedure:

Procedure

Step 1 From the Cisco Unified Communications Operating System Administration window, navigate to **Show > Hardware**.

The **Hardware** status window displays.

Step 2 For descriptions of the fields on the **Hardware Status** window, see Table 3-2.

Table 3-2   Hardware Status Field Descriptions

Field	Description
Platform Type	Displays the model identity of the platform server.
Processor Speed	Displays the processor speed.
CPU Type	Displays the type of processor in the platform server.
Memory	Displays the total amount of memory in MBytes.
Object ID	Displays the object ID.
OS Version	Displays the operating system version.
RAID Details	Displays details about the RAID drive, including controller information, logical drive information, and physical device information.

Network Configuration

The network status information that displays depends on whether **Network Fault Tolerance** is enabled. When **Network Fault Tolerance** is enabled, Ethernet port 1 automatically takes over network communications if Ethernet port 0 fails. If Network Fault Tolerance is enabled, network status information displays for the network ports Ethernet 0, Ethernet 1, and Bond 0. If Network Fault Tolerance is not enabled, status information displays only for Ethernet 0.

To view the network status, follow this procedure:

Procedure

Step 1 From the Cisco Unified Communications Operating System Administration window, navigate to **Show > Network.**

The Network Settings window displays.

Step 2 See Table 3-3 for descriptions of the fields on the Network Settings window.

Table 3-3   Network Configuration Field Descriptions

Field	Description
Ethernet Details	
DHCP	Indicates whether DHCP is enabled for Ethernet port 0.
Status	Indicates whether the port is Up or Down for Ethernet ports 0 and 1.
IP Address	Shows the IP address of Ethernet port 0 [and Ethernet port 1 if Network Fault Tolerance (NFT) is enabled].
IP Mask	Shows the IP mask of Ethernet port 0 (and Ethernet port 1 if NFT is enabled).
Link Detected	Indicates whether an active link exists.
Queue Length	Displays the length of the queue.
MTU	Displays the maximum transmission unit.
MAC Address	Displays the hardware address of the port.
Receive Statistics (RX)	Displays information on received bytes, packets, and errors, as well as dropped and overrun statistics.
Transmit Statistics (TX)	Displays information on transmitted bytes, packets, and errors, as well as dropped, carrier, and collision statistics.
DNS Details	
Primary	Displays the IP address of the primary domain name server.
Secondary	Displays the IP address of the secondary domain name server.
Optionsosadmin-3-2	Displays the configured DNS options.
Domain	Displays the domain of the server.
Gateway	Displays the IP address of the network gateway on Ethernet port 0.

Installed Software

To view the software versions and installed software options, follow this procedure:

Procedure

Step 1   From the Cisco Unified Communications Operating System Administration window, navigate to **Show > Software**.

The **Software Packages** window displays.

Step 2   For a description of the fields on the Software Packages window, see Table 3-4.

Table 3-4   *Software Packages Field Descriptions*

Field	Description
Partition Versions	Displays the software version that is running on the active and inactive partitions.
Active Version Installed Software Options	Displays the versions of installed software options, including locales and dial plans, that are installed on the active version.
Inactive Version Installed Software Options	Displays the versions of installed software options, including locales and dial plans, that are installed on the inactive version.

System Status

To view the system status, follow this procedure:

Procedure

Step 1   From the Cisco Unified Communications Operating System Administration window, navigate to **Show > System**.

The System Status window displays.

Step 2   See Table 3-5 for descriptions of the fields on the Platform Status window.

Table 3-5   *System Status Field Descriptions*

Field	Description
Host Name	Displays the name of the Cisco MCS host where Cisco Unified Communications Operating System is installed.
Date	Displays the date and time based on the continent and region that were specified during operating system installation.
Time Zone	Displays the time zone that was chosen during installation.
Locale	Displays the language that was chosen during operating system installation.
Product Version	Displays the operating system version.
Platform Version	Displays the platform version.
Uptime	Displays system uptime information.
CPU	Displays the percentage of CPU capacity that is idle, the percentage that is running system processes, and the percentage that is running user processes.

Table 3-5   System Status Field Descriptions (continued)

Field	Description
Memory	Displays information about memory usage, including the amount of total memory, free memory, and used memory in KBytes.
Disk/active	Displays the amount of total, free, and used disk space on the active disk.
Disk/inactive	Displays the amount of total, free, and used disk space on the inactive disk.
Disk/logging	Displays the amount of total, free, and disk space that is used for disk logging.

IP Preferences

You can use the IP Preferences window to display a list of registered ports that the system can use. The IP Preferences window contains the following information:

- Application
- Protocol
- Port Number
- Type
- Translated Port
- Status
- Description

To access the IP Preferences window, follow this procedure.

Procedure

Step 1   From the Cisco Unified Communications Operating System Administration window, choose **Show > IP Preferences**.

The **IP Preferences** window displays. Records from an active (prior) query may also display in the window.

Step 2   To find all records in the database, ensure the dialog box is empty; go to Step 3.

To filter or search records

- From the first drop-down list box, select a search parameter.
- From the second drop-down list box, select a search pattern.
- Specify the appropriate search text, if applicable.

Note   To add additional search criteria, click the **+** button. When you add criteria, the system searches for a record that matches all criteria that you specify. To remove criteria, click the **–** button to remove the last added criterion or click the **Clear Filter** button to remove all added search criteria.

Step 3   Click **Find**.

All matching records display. You can change the number of items that display on each page by choosing a different value from the **Rows per Page** drop-down list box.

For a description of the IP Preferences fields, see

Table 3-6   IP Preferences Field Descriptions

Field	Description
Application	Name of the application using (listening on) the port.
Protocol	Protocol used on this port (TCP, UDP, and so on).
Port Number	Numeric port number.
Type	Type of traffic allowed on this port: • Public—All traffic allowed • Translated—All traffic allowed but forwarded to a different port • Private—Traffic only allowed from a defined set of remote servers, for example, other nodes in the cluster
Translated Port	Traffic destined for this port get forwarded to the port listed in the Port Number column. This field applies to Translated type ports only.
Status	Status of port usage: • Enabled—In use by the application and opened by the firewall • Disabled—Blocked by the firewall and not in use
Description	Brief description of how the port is used.