



APPENDIX **A**

Configuring IPv6 in Cisco Unified CM

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Before you enable IPv6 in Cisco Unified CM Administration, you must configure IPv6 on each server in the cluster by using the following commands in the server operating system (OS) command line interface (CLI):

- Enable IPv6 by using the **set network ipv6 service enable** command.
- Set a static IPv6 address for your server by using the **set network ipv6 static_address <addr> <mask>** command. The DHCPv6 client is also supported, but it is not recommended.
- To view the platform's IPv6 address settings, use the **show network ipv6 settings** command. Example output from this command is as follows:

```
IPv6      : enabled
DHCPv6    : disabled
  IPv6 addresses:
    Address:2001:db8:c18:1:21c:c4ff:feef:ca0      Mask:64
    Scope:Global      Duplicate:no

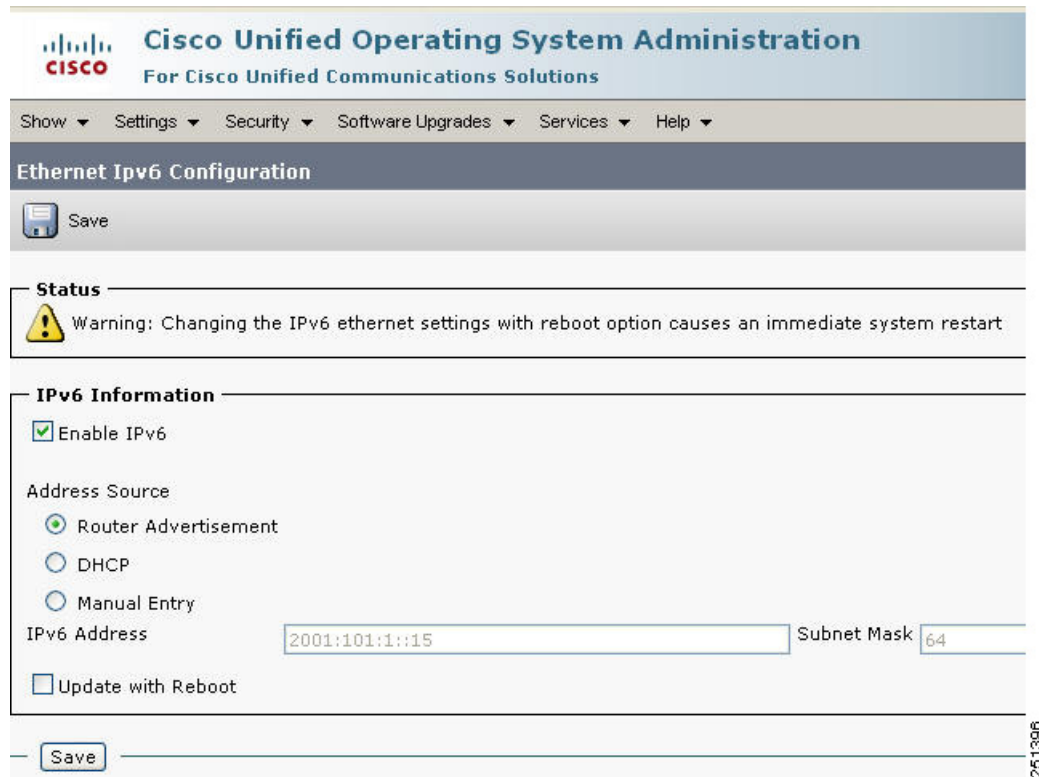
    Address:fe80::21c:c4ff:feef:ca0 Mask:64
    Scope:Link
```

Next, define the IPv6 address for each Unified CM server by using Cisco Unified CM Administration to select **System > Server**, and enter the IPv6 address in the field labeled **IPv6 Name**. (See [Configuring Unified CM Server IPv6 Addresses, page A-3](#).) The IPv6 address in this field enables Skinny Client Control Protocol (SCCP) phones to retrieve the IPv6 address of Unified CM from the configuration file downloaded from the TFTP server.

Configuring the Unified CM Server Hardware IPv6 Address Through Cisco Unified Operating System Administration

Instead of using the server command line interface as described above, you can use Cisco Unified Operating System Administration to set the Unified CM server IPv6 address. In Cisco Unified OS Administration, select **Settings > IP > Ethernet IPv6**, as illustrated in [Figure A-1](#).

Figure A-1 Configuring the Unified CM Server IPv6 Address Through Cisco Unified Operating System Administration



The screenshot displays the Cisco Unified Operating System Administration web interface. The header shows the Cisco logo and the title "Cisco Unified Operating System Administration For Cisco Unified Communications Solutions". A navigation bar includes links for Show, Settings, Security, Software Upgrades, Services, and Help. The main content area is titled "Ethernet IPv6 Configuration" and features a "Save" button. Below this is a "Status" section with a warning icon and text: "Warning: Changing the IPv6 ethernet settings with reboot option causes an immediate system restart". The "IPv6 Information" section contains a checked "Enable IPv6" checkbox, an "Address Source" section with radio buttons for "Router Advertisement" (selected), "DHCP", and "Manual Entry", and an "IPv6 Address" field with the value "2001:101:1::15" and a "Subnet Mask" field with the value "64". There is also an unchecked "Update with Reboot" checkbox and a "Save" button at the bottom.

Configuring Unified CM Server IPv6 Addresses

After you have configured the server platform IPv6 address, define the IPv6 address for each Unified CM server by using Cisco Unified CM Administration. Select **System > Server**, and enter the IPv6 address in the **IPv6 Name** field (see [Figure A-2](#)). The IPv6 address in this field enables Skinny Client Control Protocol (SCCP) phones to retrieve the IPv6 address of this Unified CM from the configuration file downloaded from the TFTP server.

Figure A-2 Configuring the Unified CM Server IPv6 Address in Unified CM Administration

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the Cisco logo and title 'Cisco Unified CM Administration For Cisco Unified Communications Solutions' are visible. Below the title bar, a navigation menu includes 'System', 'Call Routing', 'Media Resources', 'Voice Mail', 'Device', and 'Application'. The 'Server Configuration' section is active, showing 'Save', 'Delete', and 'Add New' buttons. The 'Status' section indicates 'Status: Ready'. The 'Server Information' section is expanded, showing the following fields:

Database Replication	Publisher
Host Name/IP Address*	101.1.0.15
IPv6 Name	2001:101:1::15
MAC Address	
Description	Cluster A Publisher

At the bottom of the form, there are 'Save', 'Delete', and 'Add New' buttons. A vertical text '251396' is visible on the right side of the form.

