



CHAPTER 10

DHCP Subnet Configuration

This chapter describes the procedures for adding subnets to DHCP servers. Use the following procedures to find and add subnets to DHCP servers:

- [DHCP Subnet Configuration Settings, page 10-1](#)
- [Related Topics, page 10-3](#)

DHCP Subnet Configuration Settings

In Cisco Unified Communications Manager Administration, use the **System > DHCP Subnet** menu path to configure DHCP subnets.

Tips About Configuring DHCP Subnets

Changes to the server configuration do not take effect until you restart Cisco Unified Communications Manager. For information about restarting the Cisco CallManager service, see the *Cisco Unified Serviceability Administration Guide*.

Tips About Deleting DHCP Subnets

If the subnet is not in use, Cisco Unified Communications Manager allows you to delete it. If the subnet is in use, a message displays.

Using the GUI

For instructions on how to use the Cisco Unified Communications Manager Administration Graphical User Interface (GUI) to find, delete, configure, or copy records, see the [“Navigating the Cisco Unified Communications Manager Administration Application” section on page 1-13](#) and its subsections, which explain how to use the GUI and detail the functions of the buttons and icons.

Configuration Settings Table

In the DHCP Subnet Configuration window, you can add subnets to the DHCP server. [Table 10-1](#) describes the DHCP Subnet configuration settings. For related procedures, see the [“Related Topics” section on page 10-3](#).

Table 10-1 DHCP Subnet Configuration Settings

DHCP Subnet Information	Description
DHCP Server	Choose the DHCP server name from the drop-down list box.
Subnet IPv4 Address	Enter the Subnet IPv4 address.

Table 10-1 DHCP Subnet Configuration Settings (continued)

DHCP Subnet Information	Description
Primary Start IPv4 Address	Enter the start IPv4 address of the first range of IP addresses to be assigned.
Primary End IPv4 Address	Enter the end IPv4 address of the first range of IP addresses to be assigned.
Secondary Start IPv4 Address	Enter the start IPv4 address of the second range of IP addresses to be assigned.
Secondary End IPv4 Address	Enter the end IPv4 address of the second range of IP addresses to be assigned.
Primary Router IPv4 Address	Enter the IPv4 address of the primary router on your subnet.
Secondary Router IPv4 Address	Enter the IPv4 address of the secondary router on your subnet.
IPv4 Subnet Mask	Enter the subnet mask.
Domain Name	This field specifies the name that you should use when resolving hostname via the Domain Name System.
Primary DNS IPv4 Address	This field specifies primary DNS IPv4 server name.
Secondary DNS IPv4 Address	This field specifies secondary DNS IPv4 server name.
TFTP Server Name (Option 66)	Use this field to identify a TFTP server. You can configure only one DNS name or a dotted decimal IP address in this parameter.
Primary TFTP Server IPv4 Address (Option 150)	This field specifies the IPv4 addresses for primary Trivial File Transfer Protocol (TFTP) server.
Secondary TFTP Server IPv4 Address (Option 150)	This field specifies the IPv4 addresses for secondary TFTP server.
Bootstrap Server IPv4 Address	This field specifies the address of the server that is used in the next step of the bootstrap process. You can use this as the IPv4 address of the TFTP server or as the default value to DHCP server address if the server is to supply the next bootstrap service.
ARP Cache Timeout (sec)	This field specifies the timeout in seconds for ARP cache entries. Specify the time as a 32-bit unsigned integer.
IP Address Lease Time (sec)	The DHCP server uses the information in this field to specify the lease time that it is willing to offer. Specify the time in units of seconds and as a 32-bit unsigned integer.
Renewal (T1) Time (sec)	This field specifies the time interval from address assignment until the client transitions to the RENEWING state.
Rebinding (T2) Time (sec)	This field specifies the time interval from address assignment until the client transitions to the REBINDING state. Specify the value in units of seconds and as a 32-bit unsigned integer.

Additional Information

See the [“Related Topics”](#) section on page 10-3.

Related Topics

- [DHCP Server Configuration](#), page 9-1
- [DHCP Subnet Configuration Settings](#), page 10-1
- [Dynamic Host Configuration Protocol](#), *Cisco Unified Communications Manager System Guide*

