**Common DHCP commands**

**You need to understand these commands.**

**ip dhcp pool***name* *-* Example: Router(config)# ip dhcp pool 1

Creates a name for the DHCP server address pool and enters DHCP pool configuration mode.

**network***network-number* [*mask* | **/***prefix-length*]

Example: Router(dhcp-config)# network 172.16.0.0 /16

Specifies the subnet network number and mask of the DHCP address pool.

**domain-name***domain*Example: Router(dhcp-config)# domain-name smyth.com

Specifies the domain name for the client.

**dns-server***address* [*address2 ... address8*]

Example: Router(dhcp-config)# dns server 172.16.1.103 172.16.2.103

Specifies the IP address of a DNS server that is available to a DHCP client.

One IP address is required, however, you can specify up to eight IP addresses in one command line. Servers should be listed in order of preference.

**default-router***address* 

Example: Router(dhcp-config)# default-router 172.16.1..1

Specifies the IP address of the default router for a DHCP client.

The IP address should be on the same subnet as the client.

**lease**{*days* [*hours*] [*minutes*]| **infinite**}

Example: Router(dhcp-config)# lease 30

(Optional) Specifies the duration of the lease.

•https://www.cisco.com/en/US/i/templates/blank.gifThe default is a one-day lease.

•https://www.cisco.com/en/US/i/templates/blank.gifThe **infinite** keyword specifies that the duration of the lease is unlimited.

The following example shows a 1-day lease: lease 1

The following example shows a 1-hour lease: lease 0 1

The following example shows a 1-minute lease: lease 0 0 1

The following example shows an infinite lease: lease infinite