

## Tutorial 6

### Connect to a Web Server

#### Topology



#### Objectives

Observe how packets are sent across the Internet using IP addresses.

#### Instructions

##### Part 1: Verify connectivity to the web server

Step 1: Open the source host command prompt window. Select **PC0**.

Step 2: Select the Desktop Tab > Command Prompt.

Step 3: Verify connectivity to the web server. At the command prompt, ping the IP address of the web server by entering **ping 172.33.100.50**.

```
PC> ping 172.33.100.50
```

```
Pinging 172.33.100.50 with 32 bytes of data:
```

```
Reply from 172.33.100.50: bytes=32 time=0ms TTL=127
Reply from 172.33.100.50: bytes=32 time=0ms TTL=127
Reply from 172.33.100.50: bytes=32 time=0ms TTL=127
Reply from 172.33.100.50: bytes=32 time=0ms TTL=127
```

```
Ping statistics for 172.33.100.50:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

A reply verifies connectivity from the client to the destination web server. The reply may time out initially while devices load and ARP is performed.

Step 4: Close the command prompt window only, by selecting the x within the command prompt window. Be sure to leave the PC0 configuration window open.

##### Part 2: Connect to the Web Server via the web client

Step 1: In the Desktop tab on PC0, select **Web Browser**.

Step 2: Enter **172.33.100.50** into the URL and click **Go**. The web client will connect to the web server via the IP address, and open the web page.

**Step 3: Question:**

What messages did you see after the web page has finished loading?

## **Answer Key**

### **Part 1: Verify connectivity to the web server**

### **Part 2: Connect to the Web Server via the web client**

What messages did you see after the web page has finished loading?

**Welcome to the Learn IP Web Site**

**You were able to reach this website because you had the IP address of the web server.  
The connecting PC also had a web client running on the device.**