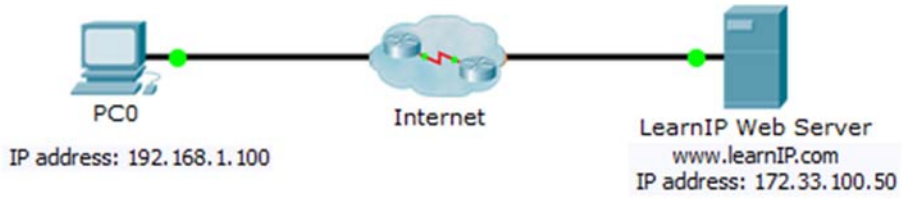
Packet Tracer – Connecting to a Web Server

Topology



Objective

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

Step 1: Verify connectivity to the web server

a. Open the source host command prompt window. Select **PC0**.

b. Select the **Desktop** Tab > **Command Prompt**.

c. Verify connectivity to the web server. At the command prompt, ping the IP address of the web server by typing: **ping 172.33.100.50** and press enter.

```
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.

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

Step 2: Connect to the Web Server via the web client

a. In the Desktop tab on PC0, select **Web Browser**.

b. 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.

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.