Addressing Table

Device	Interface	IP Address	Subnet Mask
HQ	G0/0/1	64.100.1.1	255.255.255.0
PC0	NIC	DHCP	
PC1	NIC	DHCP	

Objectives

In this activity, you will establish a remote connection to a router using Telnet and SSH.

· Verify connectivity.
· Access a remote device.

Instructions

Part 1: Verify Connectivity

In this part, you will verify that the PC has IP addressing and can ping the remote router.

Step 1: Verify IP address on a PC.

1. From a PC, click **Desktop**. Click Command Prompt.
2. At the prompt, verify that the PC has an IP address from DHCP.

What command did you use to verify the IP address from DHCP?

Answer Area

ftp> ipconfig
Hide Answer

Step 2: Verify connectivity to HQ.

Verify that you can ping the router HQ using the IP address listed in the Addressing Table.

Part 2: Access a Remote Device

In this part, you will attempt to establish a remote connection using Telnet and SSH.

Step 1: Telnet to HQ.

At the prompt, enter the command telnet 64.100.1.1

Were you successful? What was the output?

Answer Area

No.

C:\> telnet 64.100.1.1

Trying 64.100.1.1 ...Open

[Connection to 64.100.1.1 closed by foreign host]

Hide Answer

Step 2: SSH to HQ.

The router is properly configured to not allow insecure Telnet access. You must use SSH.

At the prompt, enter the command **ssh -l admin 64.100.1.1.** Enter the password **class** when prompted

C:\> **ssh -l admin 64.100.1.1**