## Packet Tracer - Use Telnet and SSH

### 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****

Password:

What is prompt after accessing the router successfully via SSH?

Answer Area

***HQ#***

Hide Answer