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

## Verify Connectivity

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

### 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.

#### Question:

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

Text

Description automatically generated

Type your answers here.

### Verify connectivity to HQ.

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

A picture containing graphical user interface

Description automatically generated

## Access a Remote Device

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

### Telnet to HQ.

At the prompt, enter the command **telnet 64.100.1.1**.

#### Question:

Were you successful? What was the output?

Text

Description automatically generated

Type your answers here.

### SSH to HQ.

The router is properly configured to not allow insecure Telnet access. You must use SSH. **HQ** is not configured to accept Telnet traffic. You cannot connect to the router via the Telnet protocol. You will attempt to use SSH to connect to **HQ**.

The router is configured with a local username **admin** with the password **class** for SSH access.

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:

#### Question:

What is prompt after accessing the router successfully via SSH?

Text

Description automatically generated with low confidence

Type your answers here.

# Answer Key

## Verify Connectivity

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

### Verify IP address on a PC.

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

ipconfig

### Verify connectivity to HQ.

## Access a Remote Device

### Telnet to HQ.

Were you successful? What was the output?

No.

C:\> telnet 64.100.1.1

Trying 64.100.1.1 ...Open

[Connection to 64.100.1.1 closed by foreign host]

### SSH to HQ.

What is prompt after accessing the router successfully via SSH?

HQ#

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