

6.8 Lab: Explore APIPA Addressing

Candidate: COMPTIA COMPTIA ()

Time Spent: 00:17

Score: 0%

Task Summary

Required Actions and Questions

✗ Q1: What is the ip address for the Exec computer?

Your answer:

Correct answer: 192.168.0.62

✗ Q2: Which devices could Exec ping successfully?

Your answer:

Correct answer: Gateway only

✗ Q3: Does Office1 have an APIPA address?

Your answer:

Correct answer: Yes

✗ Q4: Which devices could Office1 ping successfully?

Your answer:

Correct answer: Office2 only

✗ Q5: Does Office2 have an APIPA address?

Your answer:

Correct answer: Yes

✗ Q6: Which devices could Office2 ping successfully?

Your answer:

Correct answer: Office1 only

✗ Q7: Based on the ping tests, computers with APIPA addresses can communicate with each other on the same local network.

Your answer:

Correct answer: True

✗ Q8: After activating DHCP, what did you discover about the Office1 IP address?

Your answer:

Correct answer: Switched from an APIPA address to a DHCP supplied IP address.

Explanation

Complete this lab as follows:

To answer questions:

- a. Select the Questions button to open the Lab Questions dialog.
- b. Answer the specified question.
- c. Minimize the Lab Questions dialog.

1. Discover the **Exec** computer IP address, and explore connectivity to other computers.
 - a. From Executive Office, select **Exec**.
 - b. Right-click **Start** and select **Terminal (Admin)**.
 - c. At the command prompt, type **ipconfig** and press **Enter**.
 - d. Answer question 1.
 - e. Type **ping 192.168.0.5** (Default Gateway) and press **Enter**.
 - f. Type **ping Office1** and press **Enter**.
 - g. Type **ping Office2** and press **Enter**.
 - h. Answer question 2.
2. Discover the **Office1** computer IP address, and explore connectivity to other computers.
 - a. From the top left, select **Floor 1 Overview** and under Office 1, select **Office1**.
 - b. Right-click **Start** and select **Terminal (Admin)**.
 - c. At the command prompt, type **ipconfig** and press **Enter**.
 - d. Answer question 3.
 - e. Type **ping 192.168.0.5** and press **Enter**.
 - f. Type **ping Office2** and press **Enter**.
 - g. Type **ping Exec** and press **Enter**.
 - h. Answer question 4.
3. Discover the **Office2** computer IP address, and explore connectivity to other computers.
 - a. Select **Floor 1 Overview** and under Office 2, select **Office2**.
 - b. Right-click **Start** and select **Terminal (Admin)**.
 - c. At the command prompt, type **ipconfig** and press **Enter**.
 - d. Answer question 5.
 - e. Type **ping 192.168.0.5** (Default Gateway) and press **Enter**.
 - f. Type **ping Office1** and press **Enter**.
 - g. Type **ping Exec** and press **Enter**.
 - h. Answer questions 6 and 7.
4. From **CorpServer** in Hyper-V Manager, activate CorpDHCP Subnet1.
 - a. Select **Floor 1 Overview** and under Networking Closet, select **CorpServer**.
 - b. Maximize the Hyper-V Manager window.
 - c. In Hyper-V Manager, select **CORPSERVER**.
 - d. In the middle pane, under *Virtual Machines*, double-click **CorpDHCP**.
 - e. From the *Server Manager* dialog menu, select **Tools** and then **DHCP**.
 - f. In the DHCP dialog, from the left pane, expand **CorpDHCP > IPv4**.
Notice that the folder icon for the Subnet1 Scope displays a red arrow, indicating it is not active.
 - g. Right-click **Scope [198.168.0.1] Subnet1** and select **Activate**.
5. Verify that the **Office1** computer is receiving an IP address from CorpDHCP.
 - a. Select **Floor 1 Overview** and under Office 1, select **Office1**.
 - b. (Conditional) If a PowerShell window is not already open, right-click **Start** and select **Terminal (Admin)**.
 - c. At the command prompt, type **ipconfig** and press **Enter**.
 - d. Answer question 8.

e. Type **ping 192.168.0.5** and press **Enter**.

Notice that Office1 can now communicate with the CorpDHCP server.