Lab Report

Your Score: 3 of 5 (60%)

Elapsed Time: 20 minutes 30 seconds

- ✓ Create the 192.168.10.51 to 192.168.10.250 Subnet2 scope on CorpDHCP12_2 Show Details
- ✓ Create an exclusion for 192.168.10.211 to 192.168.10.250 on CorpDHCP12_2
- ✓ Activate the scope
- ✗ Create an exclusion for 192.168.10.51 to 192.168.10.210 on the Subnet2 scope on CorpDHCP12
- ✗ Renew Address on Exec2

Explanation

The same scope should exist on both the main DHCP server (**CorpDHCP12_2**) and the backup DHCP server (**CorpDHCP12**). However, because the backup DHCP server exists on a different subnet, it should only provide 20 percent of the addresses (and exclude the other 80 percent), while the main DHCP server should provide 80 percent of the addresses (and exclude the other 20 percent).

In this lab, you should have completed the following:

1. Create the **Subnet2** scope on **CorpDHCP12_2** for addresses **192.168.10.51** to **192.168.10.250**. Exclude addresses **192.168.10.211** to **192.168.10.250**.
2. Use **192.168.10.5** as the default gateway.
3. Use **163.128.78.93** and **163.128.80.93** as the DNS Servers, and remove the loopback address (**127.0.0.1**).
4. Activate the scope.
5. Create an exclusion on **CorpDHCP12** for addresses **192.168.10.51** to **192.168.10.210**.

To accomplish this, you should have done the following.

View TCP/IP Address Information

1. On **Exec2**, click **Start**, type **cmd** in the Search box, and then hit Enter to open the command prompt.
2. In the command prompt, type **ipconfig /all**. The computer should indicate that it received an IP address from the DHCP Server at 192.168.0.14 (**CorpDHCP12**).

Configure and activate the DHCP Scope

1. Select **Floor 1**, and switch to **CorpServer2**.
2. In Hyper-V Manager, click **CORPSERVER2**. Resize the window to view all virtual machines.
3. Right-click the **CorpDCHP12_2** server and click **Connect** (maximize the window for easier viewing if desired).
4. In Server Manager, click **Tools** > **DHCP**.
5. Expand **CorpDCHP12_2**.
6. Right-click the ***protocol*** for which you want to create the scope and click **New Scope**.
7. Click **Next** to start the New Scope wizard.
8. Enter the name of the scope, and then click **Next**.
9. Configure the IP address:
    a. Type a start IP address and an end IP address.
    b. Modify the subnet mask, if needed.
    c. Click **Next**.
10. Enter the address range to be excluded. Click **Add** and then **Next**.
11. Configure the ***lease duration***, if necessary. Click **Next**.
12. Select **Yes, I want to configure these options now** and click **Next**.
13. Enter the ***default gateway***; then select **Add**. Select **Next**.
14. Enter the DNS server addresses as required by the scenario:
    - To add an option, enter the option and click **Add**.
    - To remove an option, select it and click **Remove**.

- Click **Next**.

15. On the WINS Servers window, select **Next**.
16. Verify that **Yes, I want to activate this scope now** is selected and click **Next**.
17. Click **Finish** to close the wizard and create the scope.

Configure DHCP Scope Exclusions

1. At the top, select **Building B**.
2. In the Building A menu, click **Floor 1** to switch to **CorpServer**.
3. In Hyper-V Manager, click **CORPSERVER**. Resize the window to view all virtual machines.
4. Right-click the **CorpDHCP12** server and click **Connect** (maximize the window for easier viewing if desired).
5. In Server Manager, select **Tools** > **DHCP**.
6. Expand the server node and expand the appropriate protocol.
7. Expand the **Scope** folder for Subnet2.
8. Right-click the **Address Pool** node and click **New Exclusion Range**.
9. Enter the starting and ending IP addresses. To exclude a single IP address, leave the ending address blank. Click **Add**.
10. Click **Close** to close the Add Exclusion Range dialog.

Renew the TCP/IP Address

1. Go back to **Building B** > **Floor 1** and select **Exec2**, from the command prompt, type **ipconfig /renew**.
2. Type **ipconfig /all**. The computer should indicate that it received an IP address from the DHCP Server at 192.168.10.14 (**CorpDCHP12_2**).
3. Click the Network icon in the notification area to view the connection status.