

6.2.7 Lab: Configure IP Addresses

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Time Spent: 14:51

Score: 100%

Task Summary

Required Actions

- ✓ Configure settings for Local Area Connection
- ✓ Configure settings for Local Area Connection 2
- ✓ Successfully ping the preferred DNS server

Explanation

Complete this lab as follows:

1. Access the properties for the NIC named Ethernet.
 - a. Right-click **Start** and then select **Settings**.
 - b. Select **Network & internet**.
 - c. From the right pane, select **Ethernet**.
2. Configure the IP version 4 TCP/IP settings for the Ethernet NIC.
 - a. For *IP assignment*, select **Edit**.
 - b. Set the dropdown to **Manual**.
 - c. Toggle the switch for **IPv4**.
 - d. Configure the IPv4 settings as follows:
 - IP address: 192.168.0.254
 - Subnet mask: 255.255.255.0
 - Default gateway: 192.168.0.5
 - Preferred DNS: 163.128.78.93
 - Alternate DNS: 163.128.80.93
 - e. Select **Save**.
3. Configure the IP version 4 TCP/IP settings for the Ethernet 2 NIC.
 - a. From the left pane of the Settings app, select **Network & internet**.
 - b. From the right pane, select **Advanced network settings**.
 - c. Select **More network adapter options**.
 - d. From the Network Connections window, right-click **Ethernet 2** and then select **Properties**.
 - e. Select **Internet Protocol Version 4 (TCP/IPv4)**.
 - f. Select **Properties**.
 - g. Select **Use the following IP address**.
 - h. Configure the Internet Protocol information as follows:

- IP address: **10.0.255.254**
 - Subnet mask: **255.255.0.0**
 - Default gateway: **Blank**
 - Preferred DNS server: **Blank**
- i. Select **OK**.
 - j. Select **Close**.
4. Ping the preferred DNS server assigned to the Ethernet NIC.
- a. Right-click **Start** and select **Terminal (Admin)**.
 - b. From the PowerShell prompt, type one of the following:
- **ping 163.128.78.93**
 - **ping 163.128.80.93**
- c. Press **Enter**.