

Lab Report: 5.1.7 Configure IP Addresses

Performance

Your Score: 2 of 2 (100%)

Elapsed Time: 4 minutes 28 seconds

Task Summary

Actions you were required to perform:

Pa Configure settings for Local Area ConnectionShow Details

Pa Configure settings for Local Area Connection 2Show Details

Explanation

When configuring IP addresses, keep in mind the following:

- You cannot assign the subnet address to a host (such as 192.168.0.0 or 10.0.0.0).
- The /x notation identifies the number of bits in the subnet mask.
 - /8 indicates a subnet mask of 255.0.0.0.
 - /16 indicates a subnet mask of 255.255.0.0.
 - /24 indicates a subnet mask of 255.255.255.0.
- Portions of the subnet mask that include a 1 identify the subnet address. This portion of the address must be the same for all hosts on the subnet.
- Portions of the subnet mask that include a 0 identify the host address. This portion of the address must be unique between all hosts.
- You cannot assign the last address to a host (such as 192.168.0.255 or 10.0.255.255).

Use the following values for the TCP/IP properties in this scenario:

Connection	Host address	Subnet mask	Default gateway address	Preferred DNS server address
Ethernet	192.168.0.254	255.255.255.0	192.168.0.5	163.128.78.93 or 163.128.80.93
Ethernet 2	10.0.255.254	255.255.0.0	None	None

Complete this lab as follows:

1. In the Notification area, right-click the **Network** icon.
2. Select **Open Network and Sharing Center**.
3. To configure the Ethernet adapter, select **Ethernet**.
4. In the Ethernet Status dialog, select **Properties**.
5. Select **Internet Protocol Version 4 (TCP/IPv4)**.
6. Select **Properties**.
7. Make sure that **Use the following IP address** is selected to manually configure the IP address and default gateway.
8. Enter the required **IP address**, **subnet mask**, **default gateway**, and **preferred DNS server address**; then select **OK**.
9. In the Ethernet Properties dialog, select **Close**.
10. In the Ethernet Status, select **Close**.
11. Select **Change adapter settings** to configure the other network adapter.
12. Right-click **Ethernet 2** adapter, and click **Properties**.
13. Repeat steps 5 through 8 to modify the TCP/IP settings for the other network adapter.