

## Performance

Your Score: 3 of 3 (100%)

Elapsed Time: 16 minutes 2 seconds

## Task Summary

Actions you were required to perform:

Connect the 4 port NIC to the switchHide Details

- Connect Network Port 1 to the Switch (Ports 19 - 22)
- Connect Network Port 2 to the Switch (Ports 19 - 22)
- Connect Network Port 3 to the Switch (Ports 19 - 22)
- Connect Network Port 4 to the Switch (Ports 19 - 22)

Create the NIC teamHide Details

- Team name: NetTeam
- Add all four ports to the team
- Standby adapter: None
- Teaming Mode: LACP
- Load balancing mode: Address Hash

Configure the External network to use NetTeam

## Explanation

In this lab, your task is to configure a NIC team on CorpServer as follows:

- Disconnect the network cable from onboard adapter on CorpServer.
- Connect network cables from the 4 port NIC on CorpServer to the switch ports 19, 20, 21, and 22.
- Configure the adapter ports as members of a NIC team using the following parameters:
  - Team name: **NetTeam**
  - Configure **Ethernet 3** through **Ethernet 6** as members of the team.
  - Teaming mode: **LACP**
  - Load balancing mode: **Address Hash**
  - Standby adapter: **None (all adapters Active)**
- Configure the Hyper-V Virtual Switch Manager to use the new NIC team for the External network.
- Verify the status of the team and your network connection in Network and Sharing Center.

Complete this lab as follows:

1. Above the rack, select **Back** to switch to the back view of the rack.
2. Remove the **network cable** from the onboard network adapter on CorpServer (the 1U server).
3. Above the rack, select **Front** to switch to the Front view of the rack.
4. In the Selected Component window, verify that the other end of the **network cable** is connect to port 21 on the switch.
5. On the Shelf , expand **Cables**.
6. Connect one **end of each cable** to ports 19, 20, and 22 on the switch.
7. Above the rack, select **Back** to switch to the back view of the rack.
8. In Partial Connections, select each **cable** and drag the unconnected **connector** to a port on the 4 port NIC in CorpServer.
9. On the CorpServer monitor, select **Click to view Windows Server 2016**.
10. In Server Manager, select **Local Server** from the menu on the left.
11. Next to NIC Teaming, select **Disabled** to configure NIC Teaming.
12. In the Teams panel, select **Tasks > New Team**.
13. Enter the **NIC team name**.
14. Select the **adapters** to be included in the team.
15. Select **Additional Properties**.
16. Select the **teaming mode**.
17. Verify the **load balancing mode**.
18. Verify the **standby adapter**.

19. Click **OK**.
20. Close the NIC Teaming window.
21. In Server Manager, select **Tools > Hyper-V Manager**.
22. Select **CORPSEVER**.
23. Select **Virtual Switch Manager**.
24. Under Virtual Switches, select the **External** switch for configuration.
25. Under Connection type, select the *Microsoft Network Adapter Multiplexor Driver* to be used for the External network.
26. Click **OK**.
27. Notice that the network connection becomes active again.