

Create Azure Network Interface and attached with Existing Virtual Machine (Portal)

(LAB-300-01A-15)

Part A: Create Network Interface

1. From the Azure Portal, go to the left menu, select "**Create a resource**"
2. Search "**Network Interface**"
3. Select "**Network Interface**"
4. Select "**Create**", & provide below details:
 - a. Name: Provide NIC name "**my-2nd-NIC**"
 - b. Virtual Network: Select "**myVirtualNetwork01**"
 - c. Subnet: Select "**PrivateSubnet02**"
Info: Subnet will display "192.168.1.0/24" CIDR
 - d. Subscription Select your default subscription
 - e. Resource group Enter "**my-2ndNIC-RG**"
 - f. Location Select "**East US**"
5. Select "**Create**"

Note: Wait for the deployment to complete.

Part B: Create Public IP Address

1. From the Azure Portal, go to the left menu, select "**Create a resource**"
2. Search "**Public IP Address**"
3. Select "**Public IP Address**"

4. Select "**Create**", & provide below details:
 - a. Name: Provide name "**my-2nd-NIC-Public-IP**"
 - b. Subscription Select your default subscription
 - c. Resource group Enter "**my-2ndNIC-RG**"
 - d. Location Select "**East US**"
5. Leave the other details as defaults & Select "**Create**"

Note: Wait for the deployment to complete.

Part C: Attach Public IP Address to 2nd Network Interface

1. From the Azure Portal, go to the left menu, select "**Resource group**"
2. Select "**my-2ndNIC-RG**", resource group
3. Select "**my-2nd-NIC**", network interface
4. Select "**IP configurations**" under settings, it will open new window
5. Click on IP details
6. Select "**Enabled**", under Public IP address settings
7. Under "**IP Address**", select "**my-2nd-NIC-Public-IP**", public IP address
8. Select "**Save**"

Part D: Attach 2nd Network Interface with Virtual Machine

1. From the Azure Portal, go to the left menu, select Virtual Machines
2. Select the virtual machine "**myV1S1VM1**" from the list
3. From the portal, select "**Stop**" to stop the virtual machine, and then wait until the **Status** of the VM changes to **Stopped (deallocated)**.
4. Open virtual machine "**myV1S1VM1**"

5. Select "**Networking**", under settings
6. Select **Attach network interface**. From the list of network interfaces that aren't currently attached to another VM, select "**my-2nd-NIC**", network interface
7. Press OK
8. From the Azure Portal, go to the left menu, select Virtual Machines
9. Select the virtual machine "**myV1S1VM1**" from the list
10. From the portal, select "**Start**" to start the virtual machine, and then wait until the **Status** of the VM changes to **Running**

Part E: Connect to Windows Virtual Machine

1. From the Azure Portal, go to the left menu, select Virtual Machines.
2. Select the virtual machine from the list.
3. On the right side of the page copy "**Public IP Address**"
4. In the local Desktop/ Laptop (Windows 10), right click on "**Start**" & "**Run**"
5. In the open, write "**mstsc**"
6. Enter in the "**Public IP Address**" of the Azure virtual machine, and then click "**Connect**"
7. Enter the "**Username**" and "**Password**" of the Azure virtual machine and click "**OK**"
8. Click "**Yes**" to confirm this connection if prompted with the security message
9. Right click on "**Start**" & "**Run**"
10. In the open, write "**cmd**"
11. Write Ipconfig, the 2nd network card doesn't have default gateway IP address
12. Right click on "**Start**" & "**Run**"
13. In the open, write "**ncpa.cpl**", to assign default gateway to 2nd network card
14. Select "**Ethernet 2**", which is showing as unidentified network

15. Right-click "**Ethernet 2**", select "**Properties**"
16. Select "**Internet Protocol version 4**", select "**Properties**" & "**Advance**"
17. Click on "**add**" under default gateway
18. Provide Ip address **192.168.1.1**, select "**add**"
19. Press OK, press Close
20. Right click on "**Start**" & "**Run**"
21. In the open, write "**cmd**"
22. Write Ipconfig, the 2nd network card now shows the default gateway IP address

Part F: Connect to Windows Virtual Machine on 2nd Network Interface

1. From the Azure Portal, go to the left menu, select Virtual Machines
2. Open virtual machine "**myV1S1VM1**"
3. Select "**Networking**", under settings
4. Select "**my-2nd-NIC**", network interface, copy the **Public IP address**
5. In the local Desktop/ Laptop (Windows 10), right click on "Start" & "Run"
6. In the open, write "**mstsc**"
7. Enter in the "**Public IP Address**" of the 2nd NIC of Azure virtual machine, and then click "**Connect**"
8. Enter the "Username" and "Password" of the Azure virtual machine and click "**OK**"
9. Click "**Yes**" to confirm this connection if prompted with the security message