

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

(LAB-103-04-03)

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 "**VirtualNetwork01**"

c. Subnet: Select "**PrivateSubnet02**"

Note: 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 "**vm01-1030401**" 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 "**vm01-1030401**"
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 "**vm01-1030401**" 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 **vm01-1030401** 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 "**vm01-1030401**"
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