Module 6: Assignment - 1

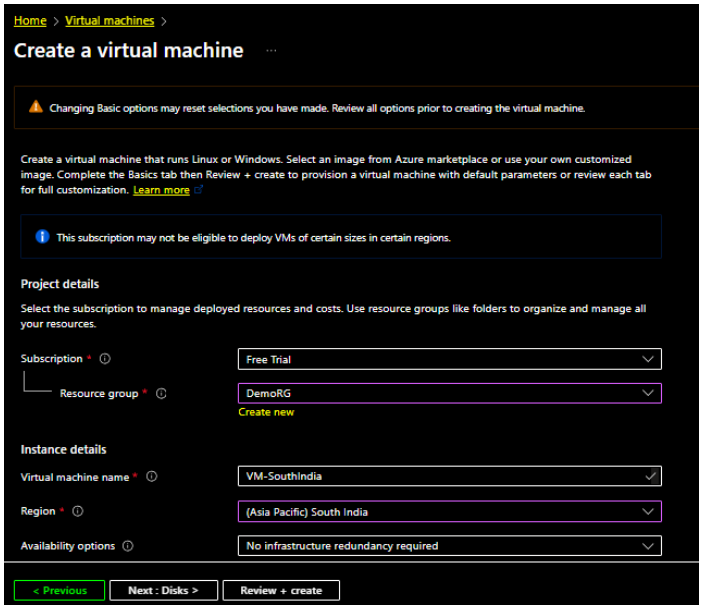
Azure 104 Certification Course

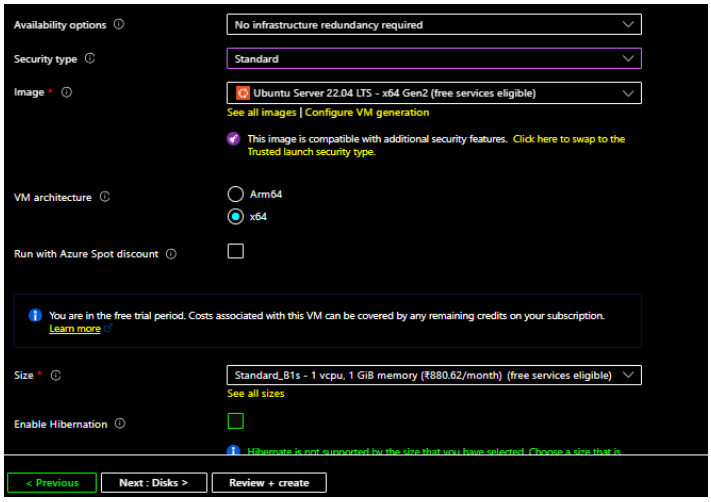
IntelliPaat

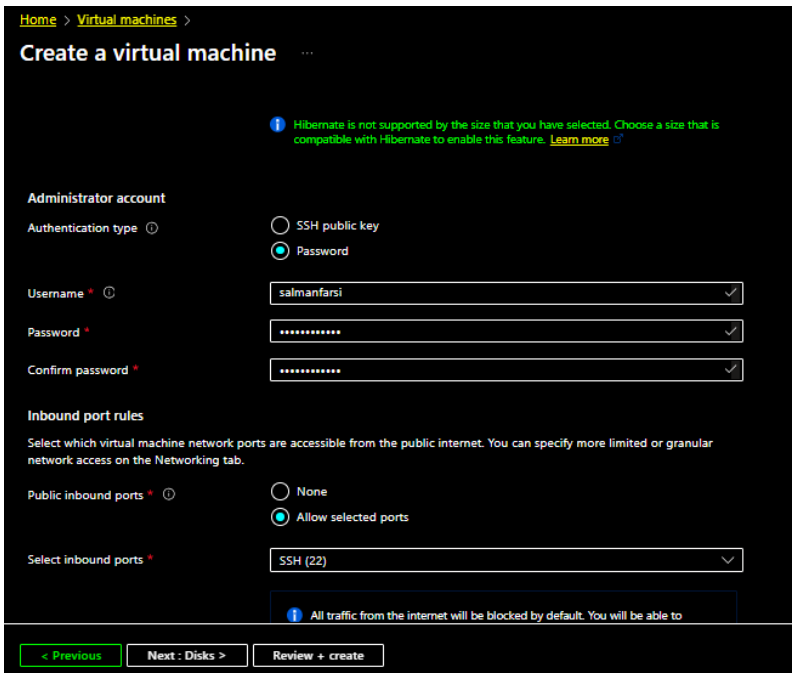
Tasks To Be Performed:

1. Create a virtual network in West US
2. Create another virtual network in South India
3. Deploy virtual machine in West US with the virtual network in West US
4. Deploy virtual machine in South India inside virtual network in South India
5. Create VNet-VNet peering to connect West US and South India VM
6. Check this by pinging VM1 to VM2 via ping command using private IP address

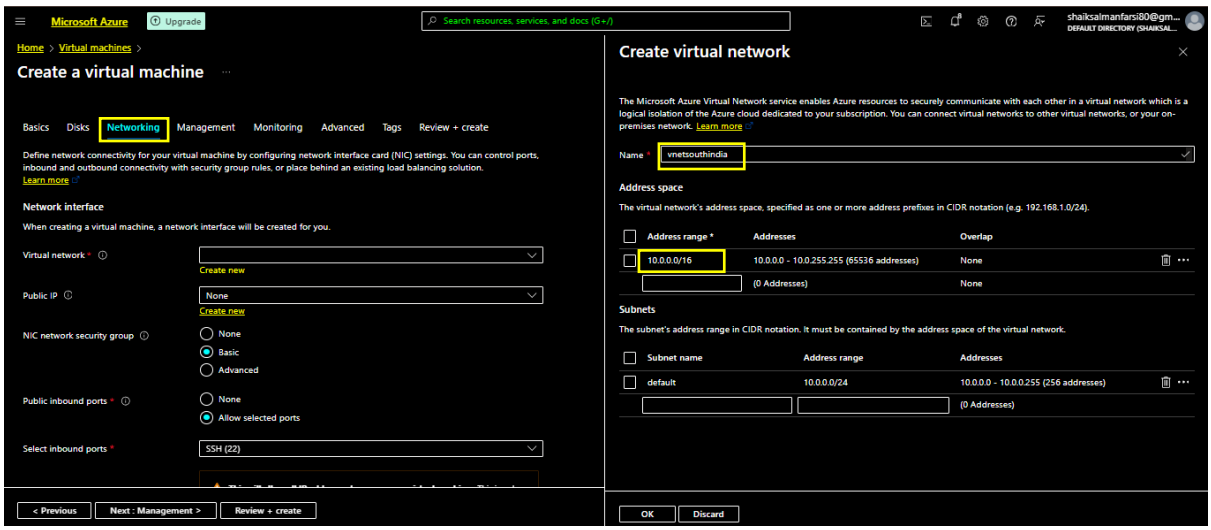
Launch VM on South India



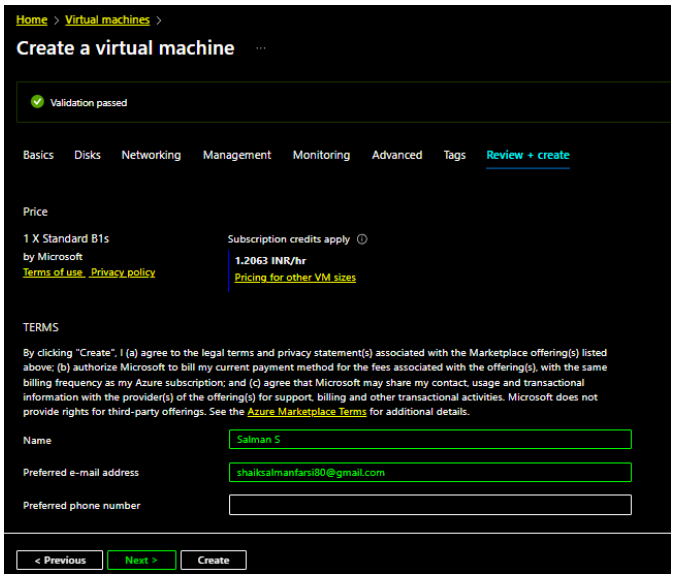




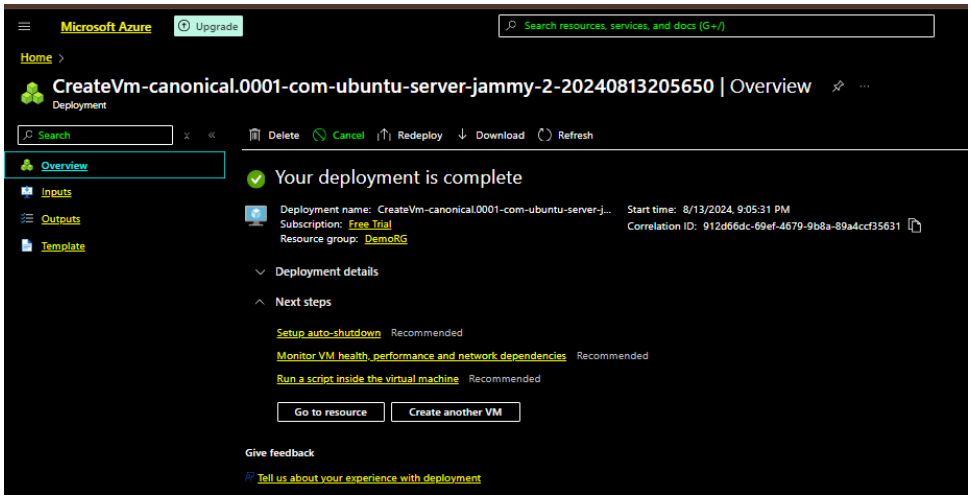
And Onething setup Vnet on while creating VM and Create it



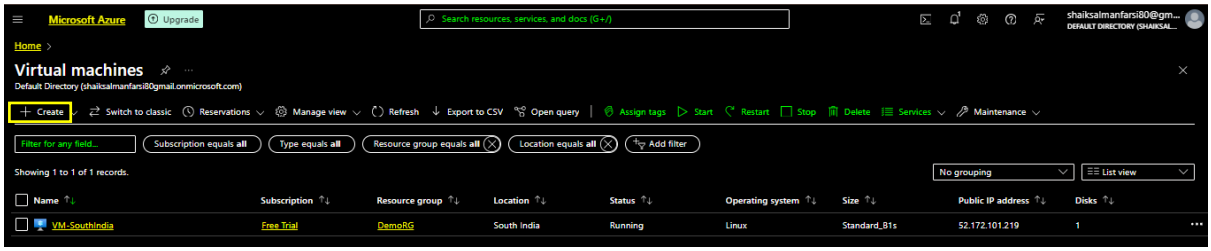
Review + Create



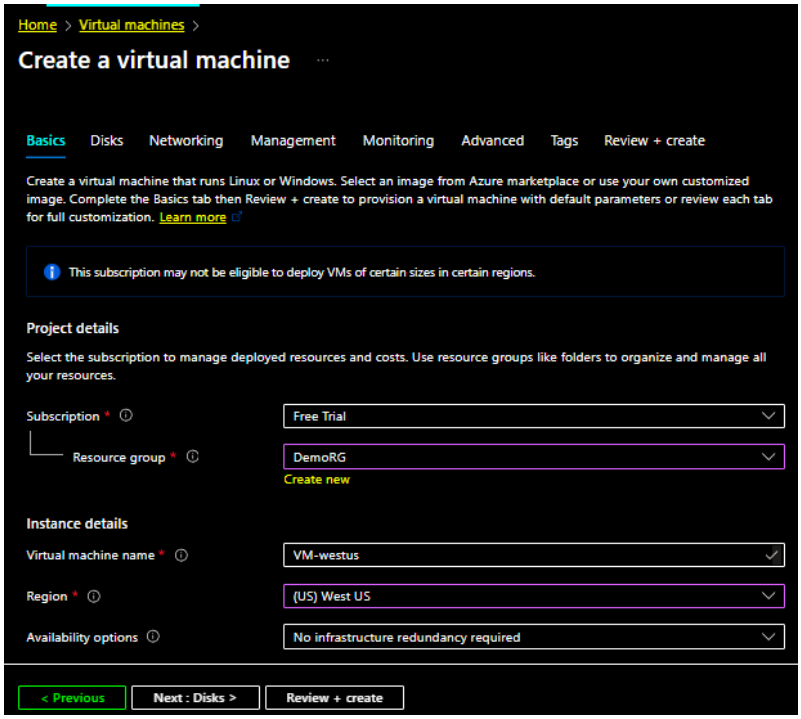
Deployed Successful

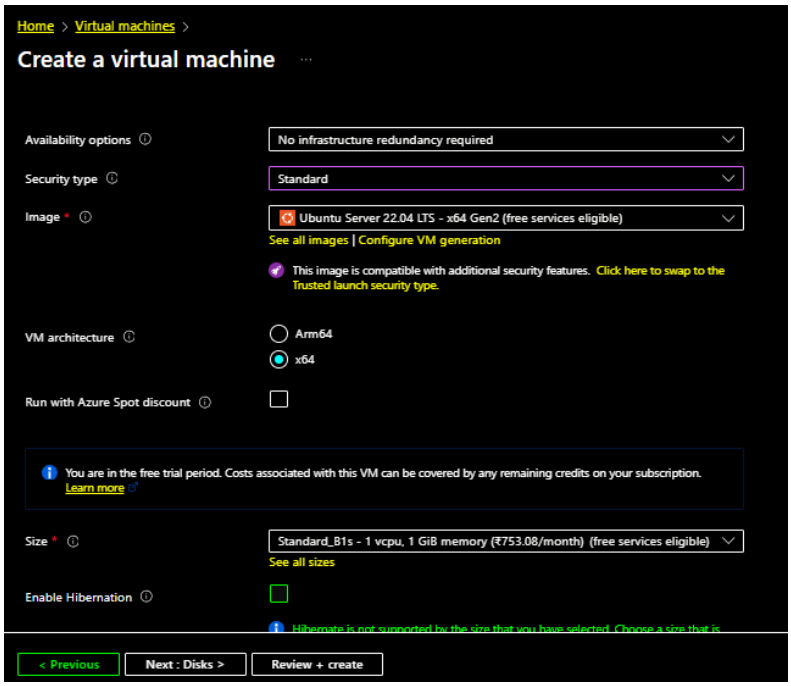


Now Creating another VM on West US

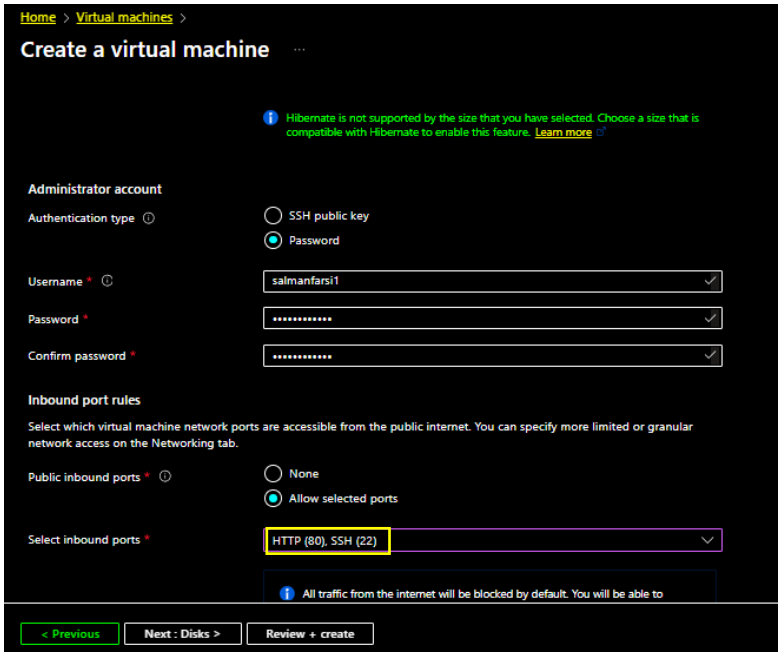


Now Creating another VM on West US

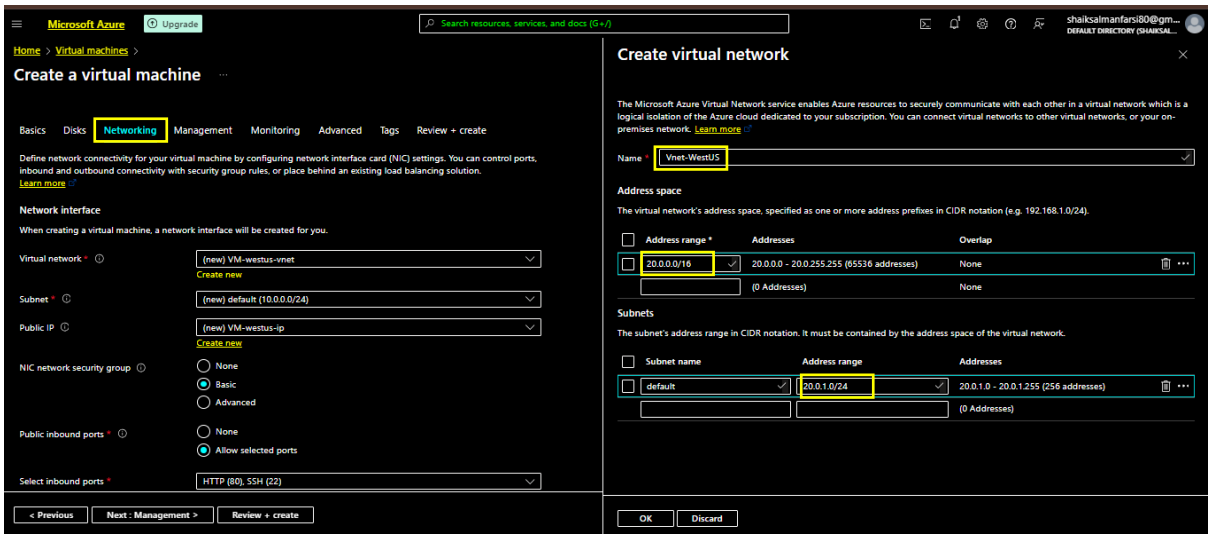


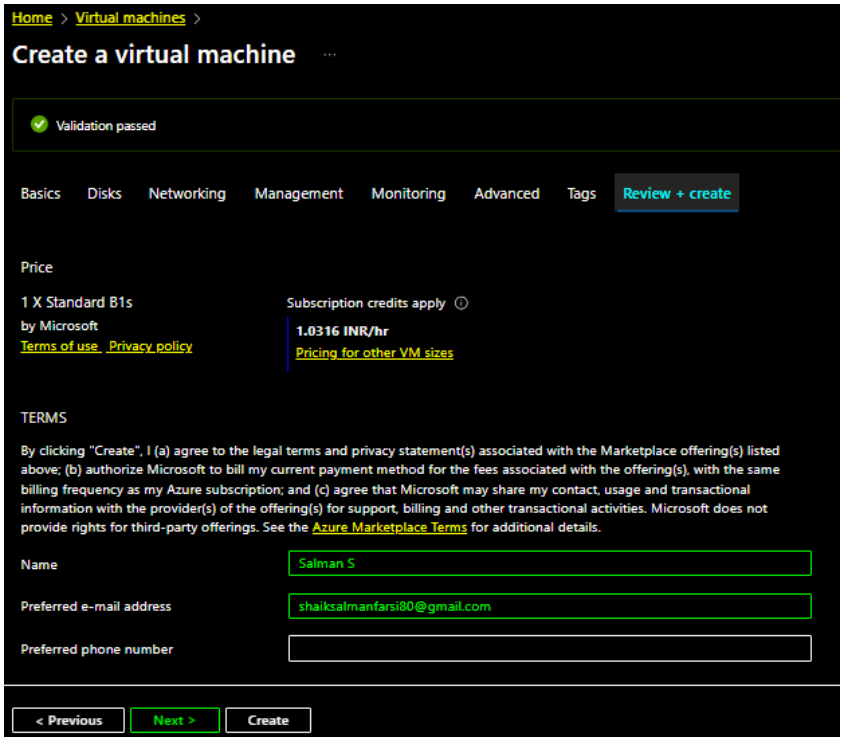


Here Allowing SSH for West US VM

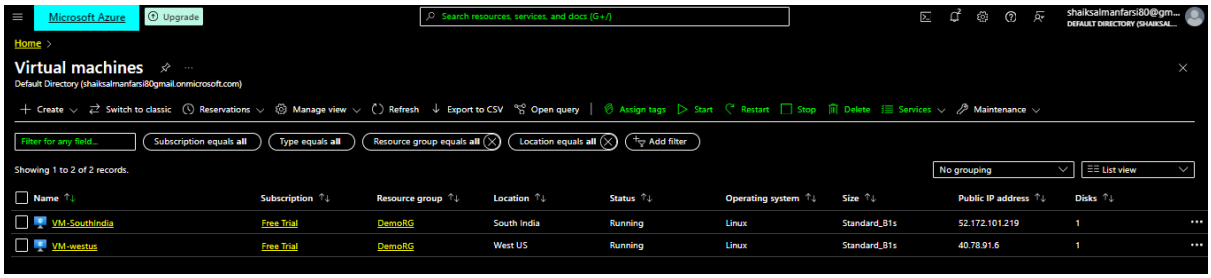


Follow the Same Step for West US Region Also

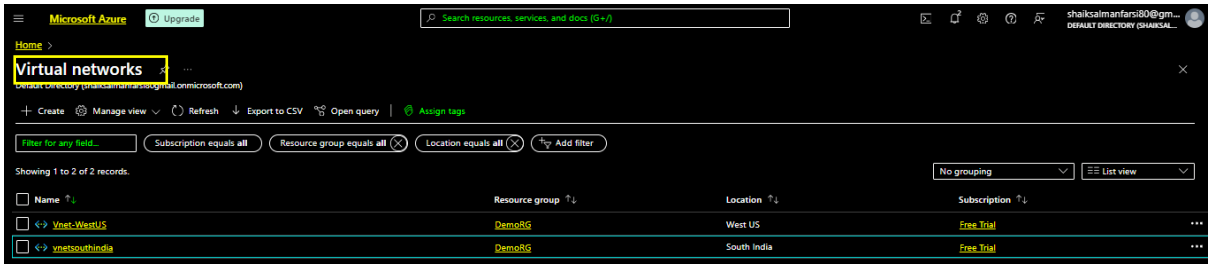




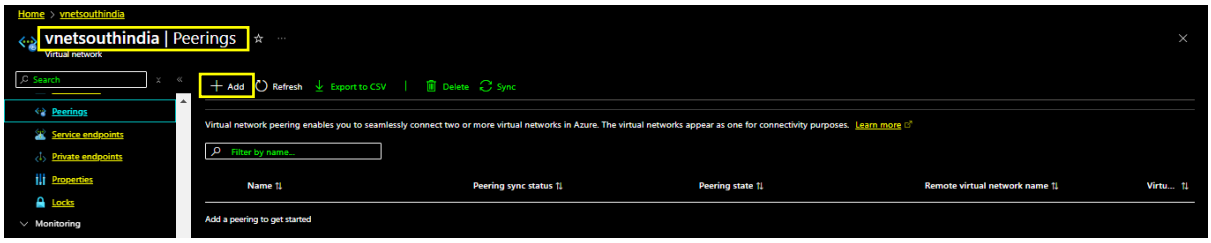
Both VM's Launched Successfully



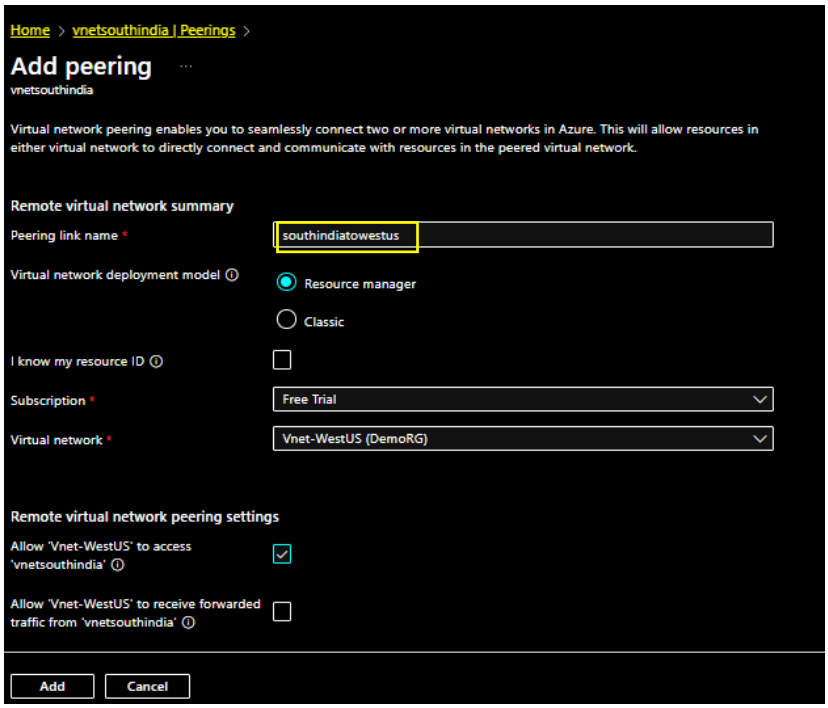
Now going Virtual Networks



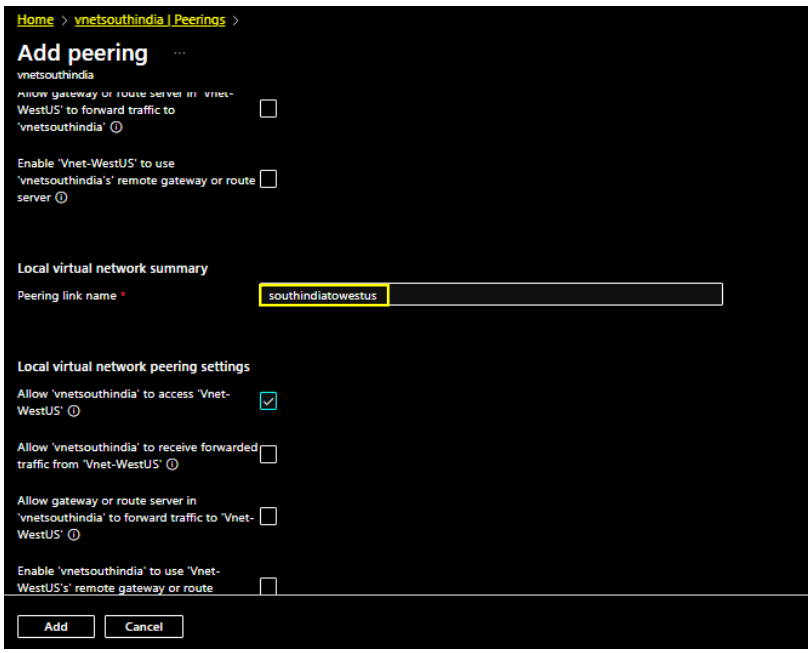
And Searching Peerings



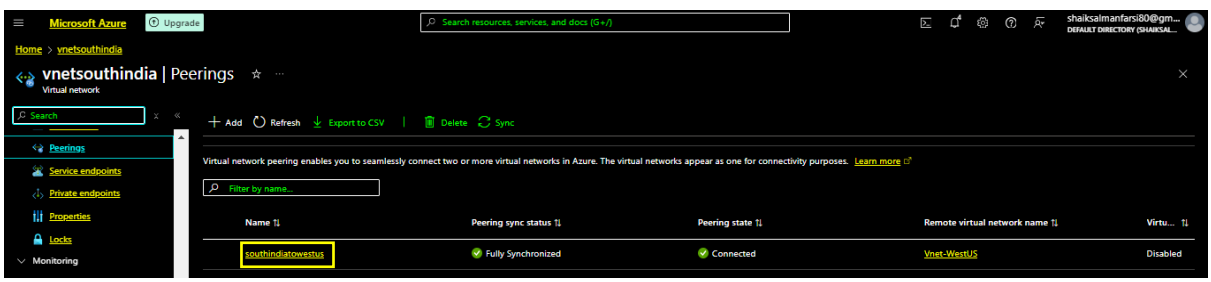
And Adding Peering Connection to southindiatowestus



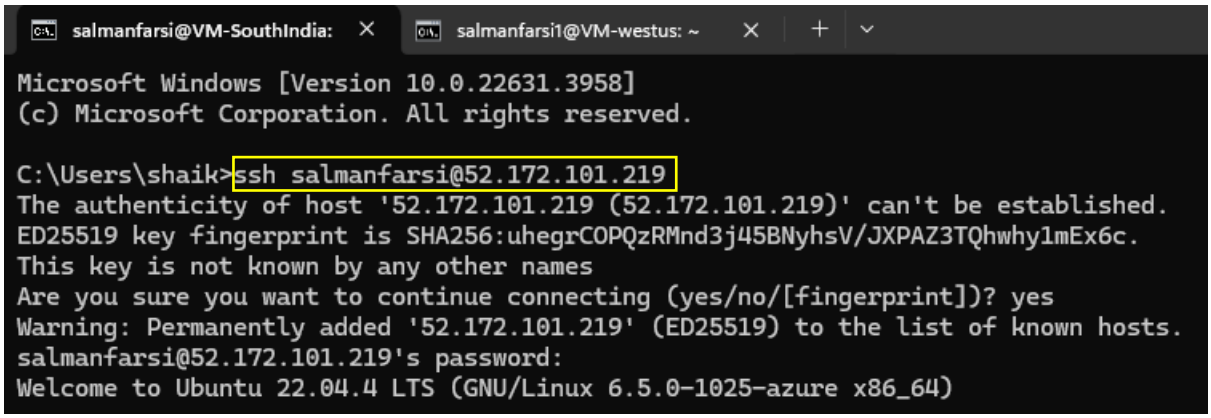
Same in the Below

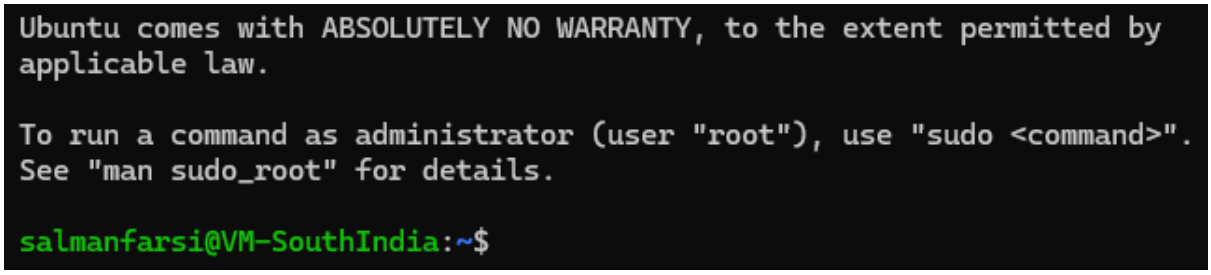


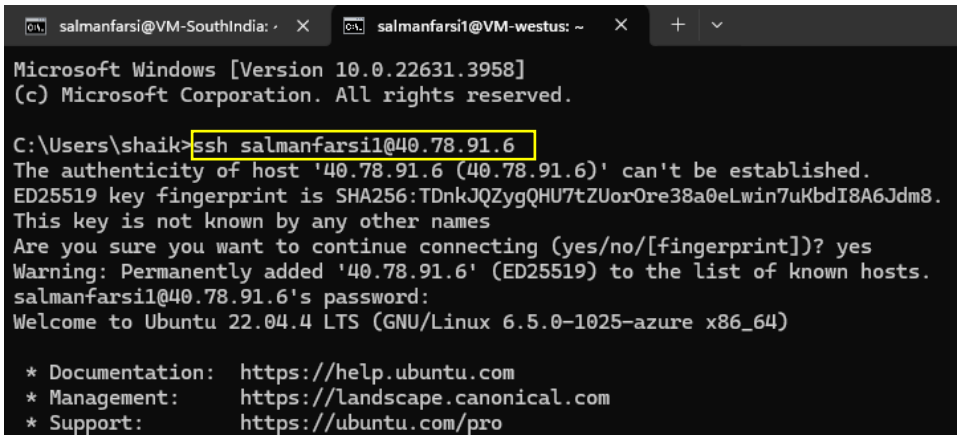
Peering Created Successfully

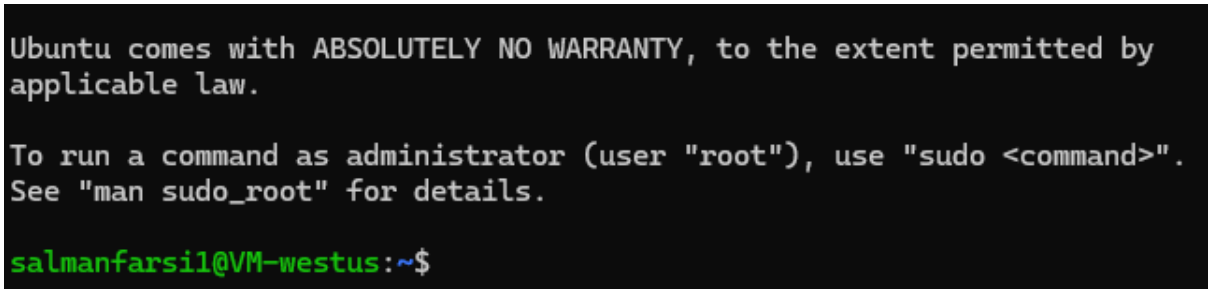


Now Login both the VM's

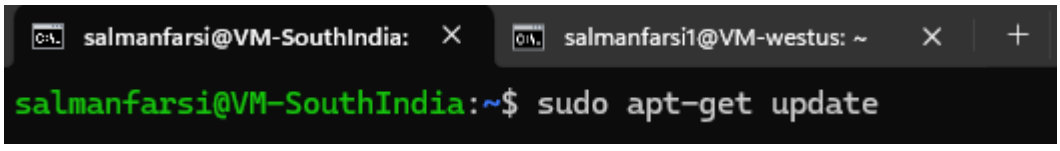






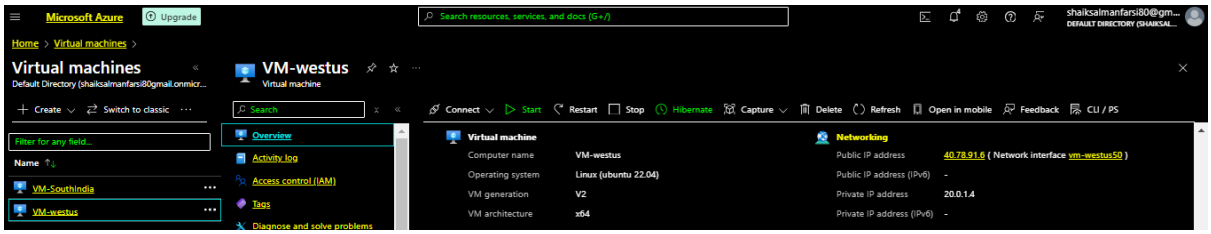


Update Both VM's



```
salmanfarsi@VM-SouthIndia: ~   salmanfarsi1@VM-westus: ~
salmanfarsi1@VM-westus:~$ sudo apt-get update
```

Copy the public ip of West Us

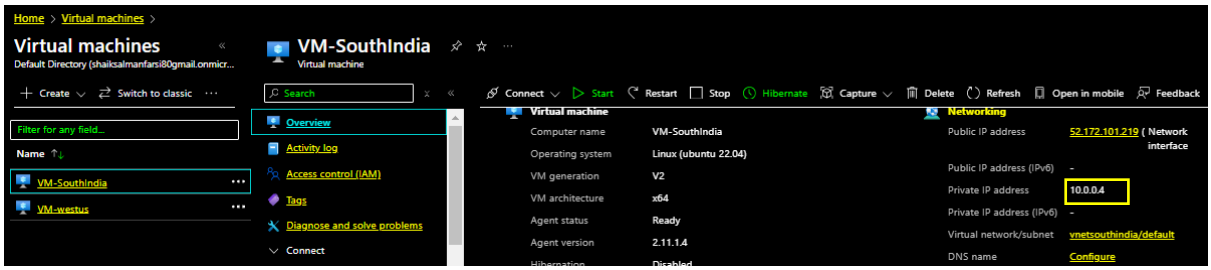


And ping in southindia and its Successfully pinging the server

```
salmanfarsi@VM-SouthIndia:   salmanfarsi1@VM-westus: ~
salmanfarsi@VM-SouthIndia:~$ ping 20.0.1.4
PING 20.0.1.4 (20.0.1.4) 56(84) bytes of data.
64 bytes from 20.0.1.4: icmp_seq=1 ttl=64 time=206 ms
64 bytes from 20.0.1.4: icmp_seq=2 ttl=64 time=202 ms
64 bytes from 20.0.1.4: icmp_seq=3 ttl=64 time=202 ms
64 bytes from 20.0.1.4: icmp_seq=4 ttl=64 time=204 ms
64 bytes from 20.0.1.4: icmp_seq=5 ttl=64 time=202 ms
```

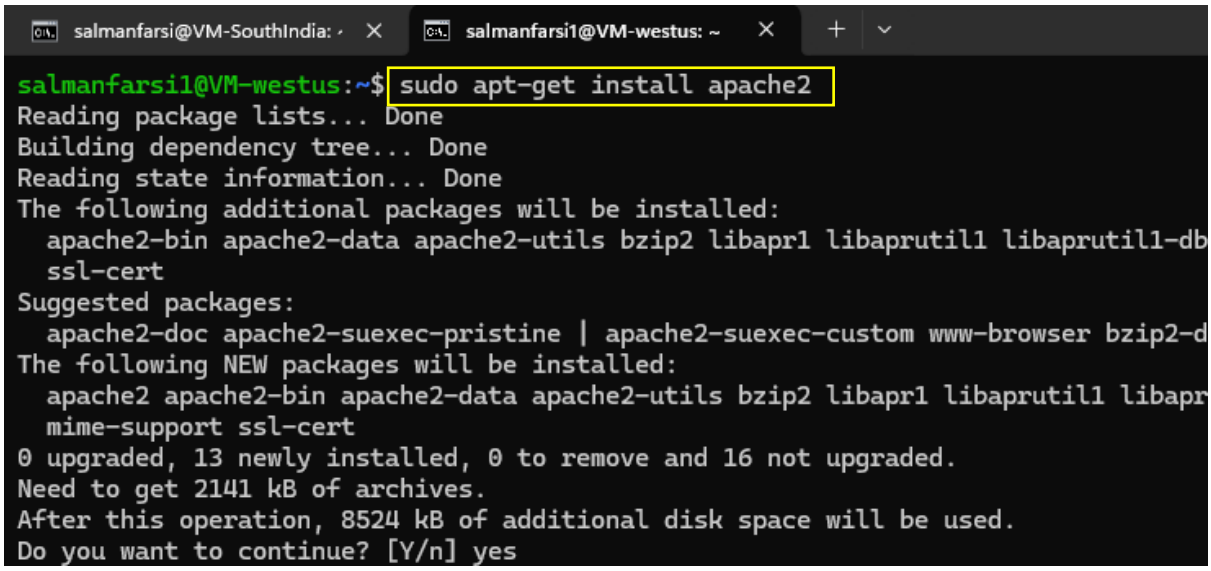
```
--- 20.0.1.4 ping statistics ---
127 packets transmitted, 127 received, 0% packet loss, time 126040ms
rtt min/avg/max/mdev = 201.570/202.223/206.159/0.694 ms
salmanfarsi@VM-SouthIndia:~$
```

Same As for WestUS

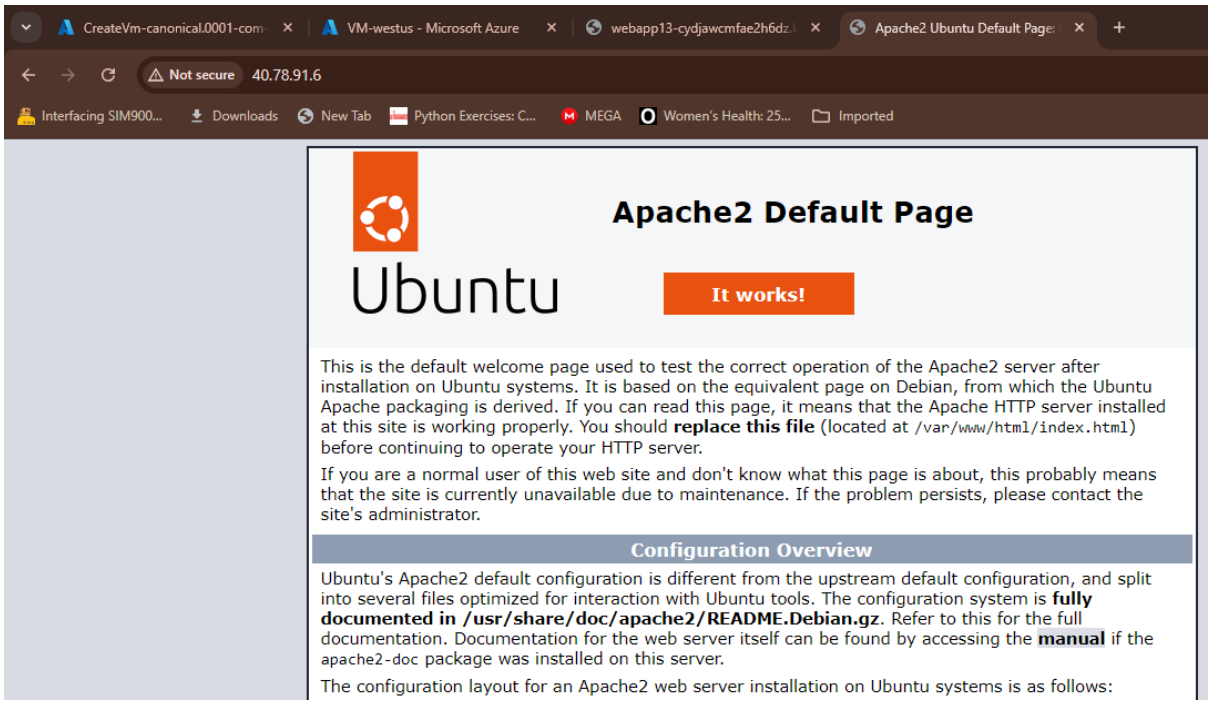



```
salmanfarsi@VM-SouthIndia:   salmanfarsi1@VM-westus: ~
salmanfarsi1@VM-westus:~$ ping 10.0.0.4
PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4: icmp_seq=1 ttl=64 time=202 ms
64 bytes from 10.0.0.4: icmp_seq=2 ttl=64 time=202 ms
64 bytes from 10.0.0.4: icmp_seq=3 ttl=64 time=202 ms
64 bytes from 10.0.0.4: icmp_seq=4 ttl=64 time=202 ms
64 bytes from 10.0.0.4: icmp_seq=5 ttl=64 time=202 ms
64 bytes from 10.0.0.4: icmp_seq=6 ttl=64 time=202 ms
```

Now Installing Apache Server on WestUS



Working Because we enabled 80 port also



Module 6: Assignment - 2

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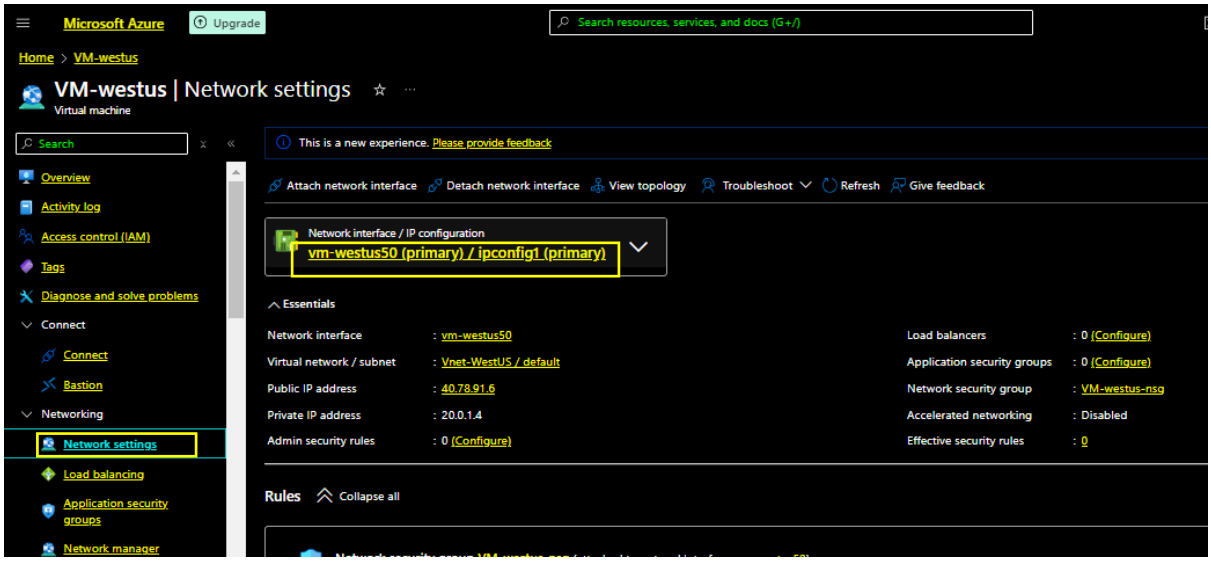
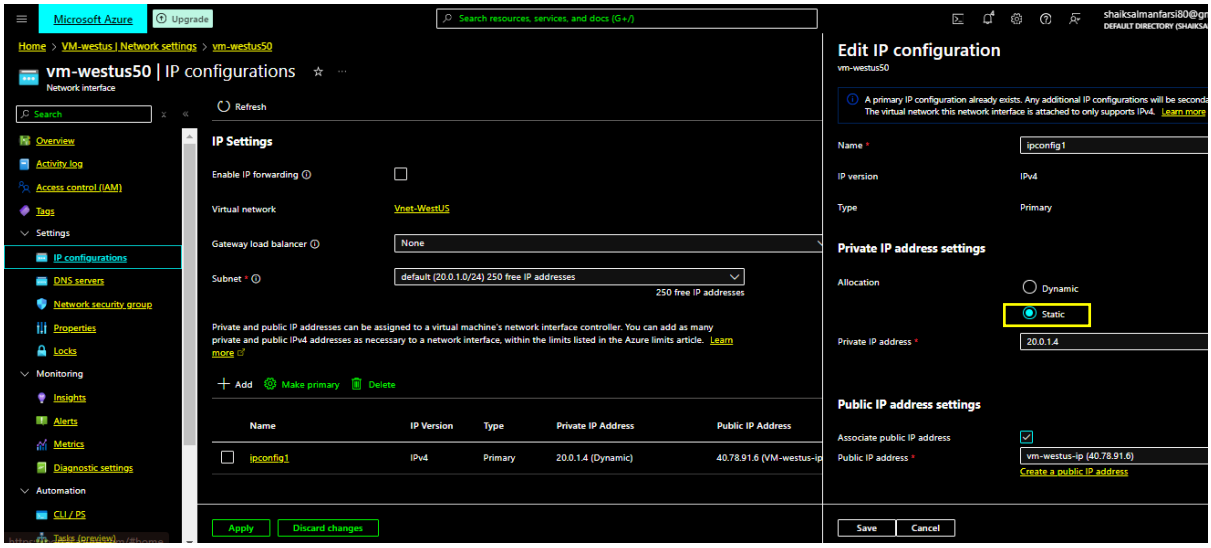
Tasks To Be Performed:

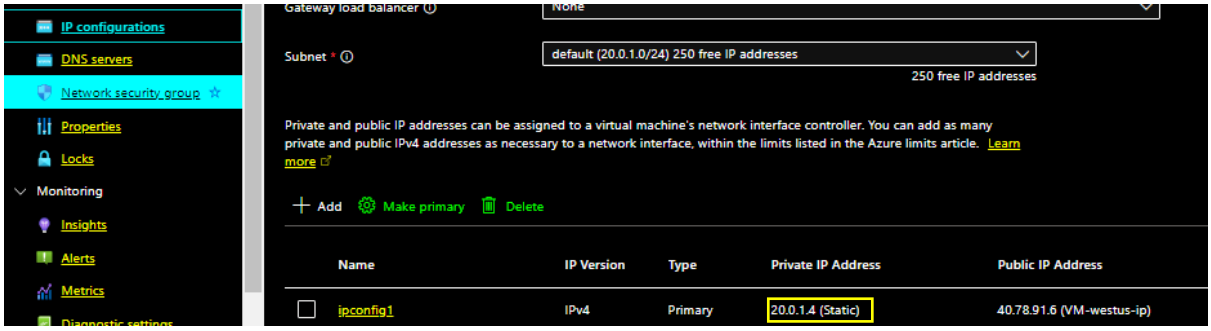
1. Create a VM in West US
2. Assign a Static IP address to the VM



Now Changing Private IP Dynamic to Static



Changed Successfully



Module 6: Assignment - 3

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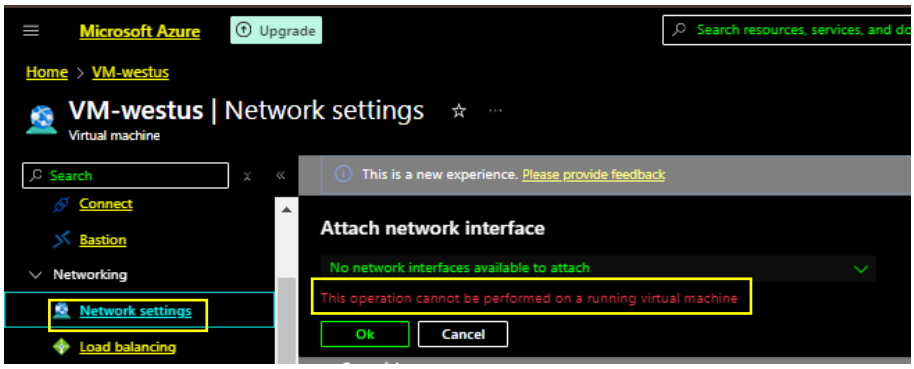
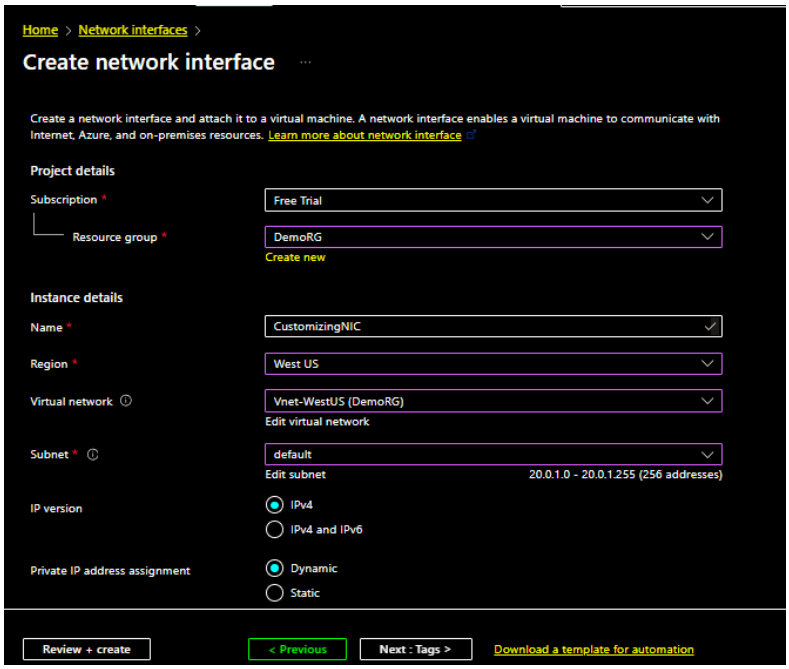
Tasks To Be Performed:

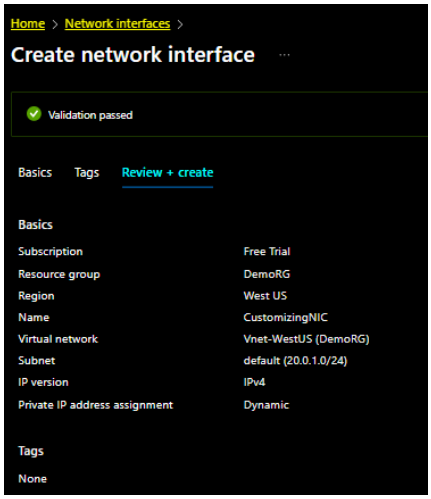
1. Use the previously created VM
2. Created a NIC
3. Attach NIC to the previously created VM



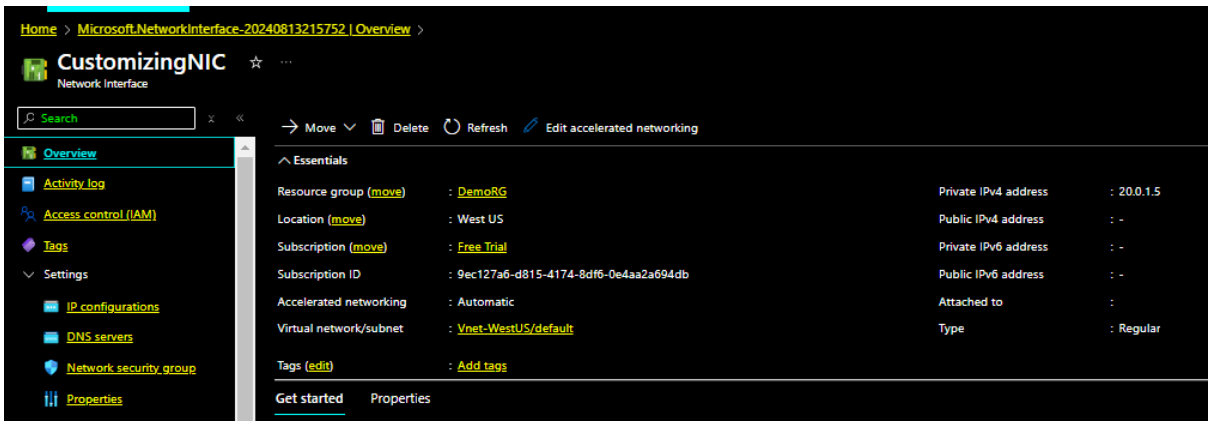
Creating NIC(Network Interfaces Card)

Name = CustomizingNIC Launching at West US Region

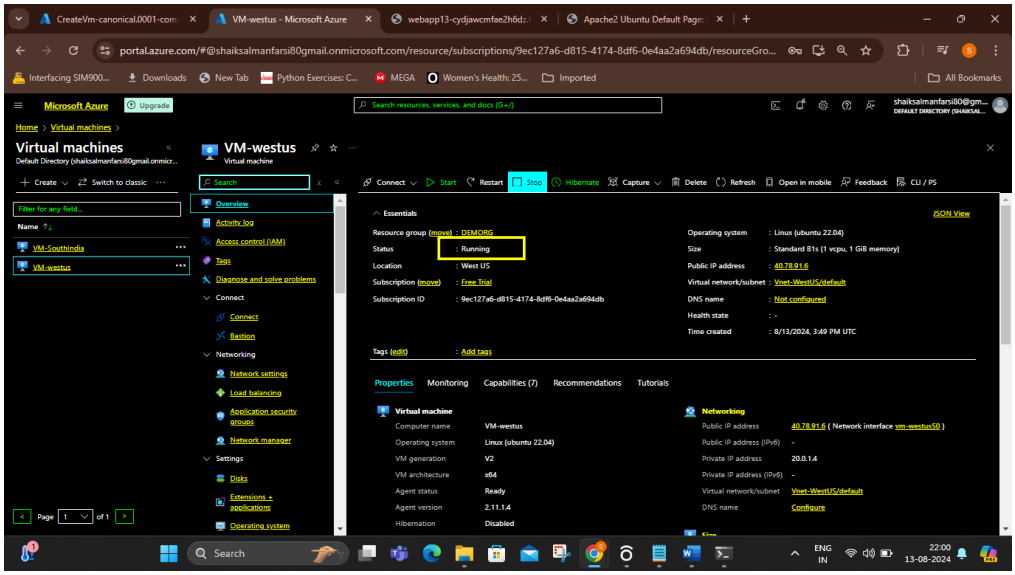




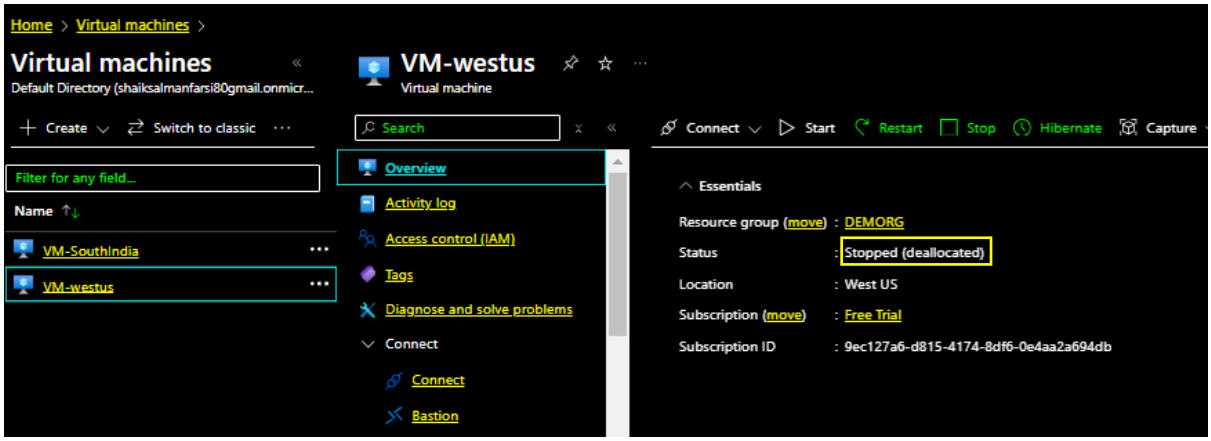
Created



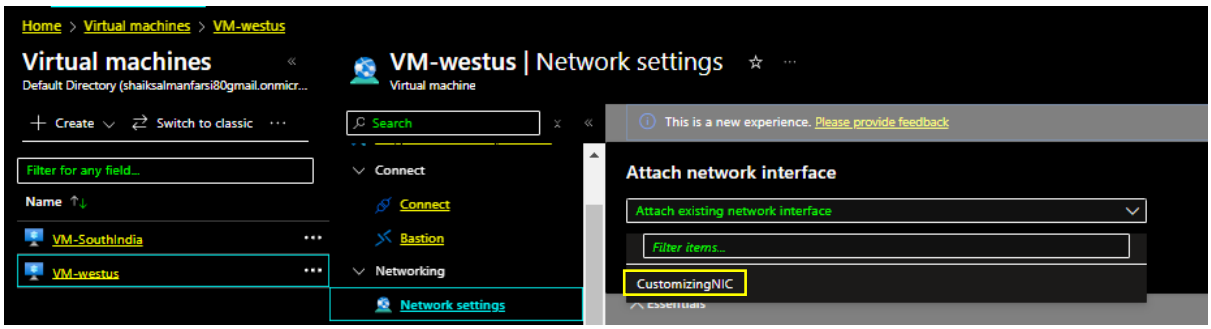
We Need to Attach so Stop the VM and then only we can attach



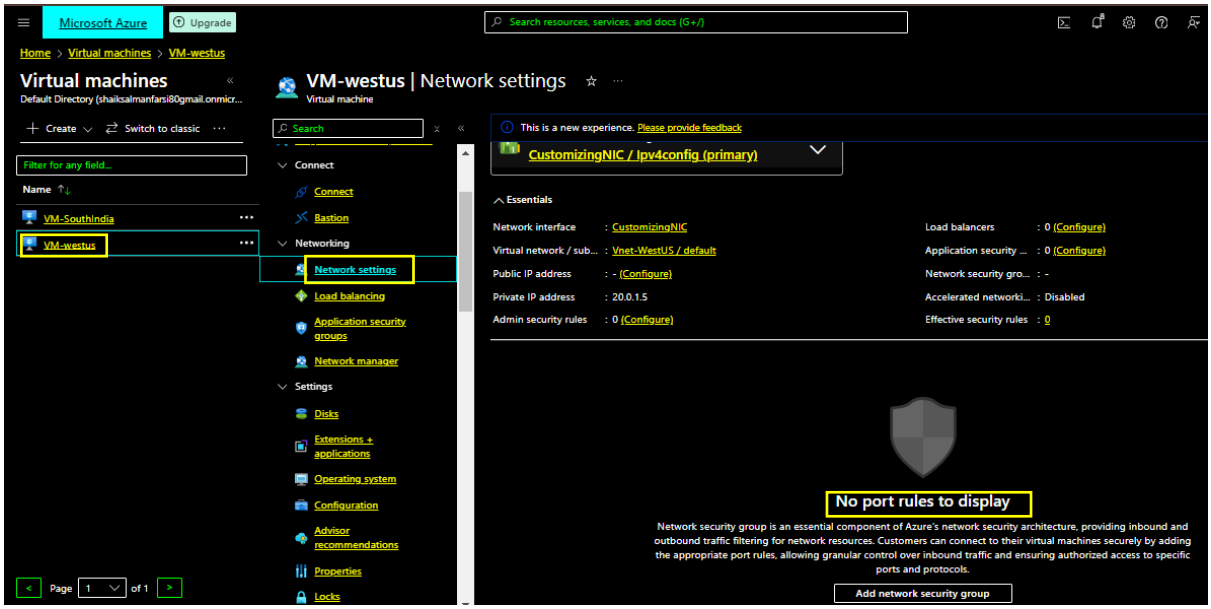
Deallocated



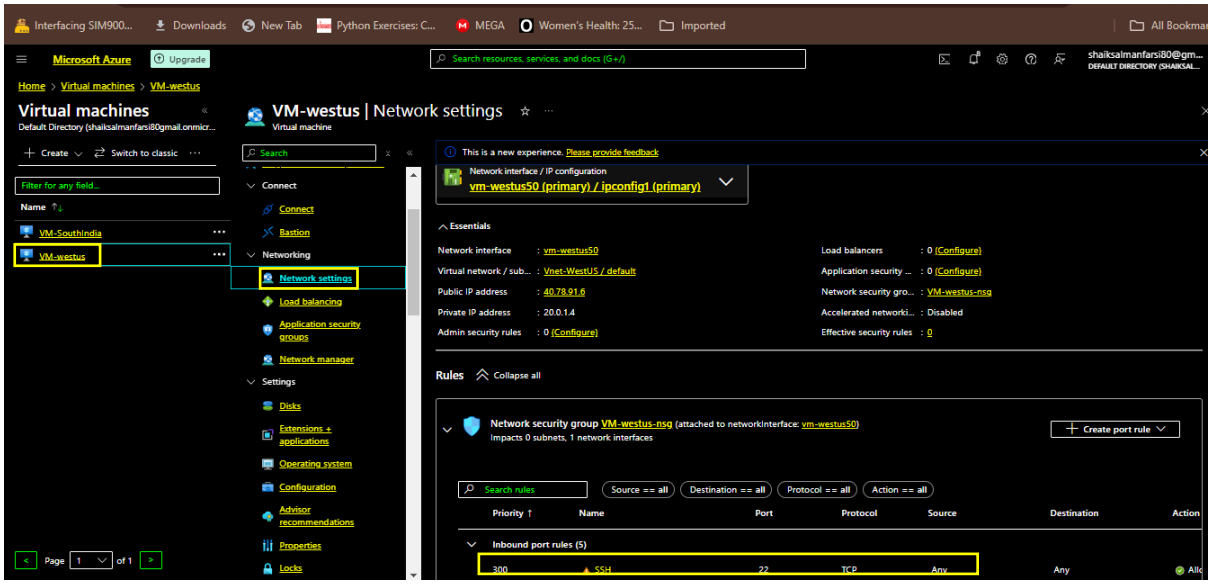
Now Attaching Customizing NIC



Attached to WestUS VM But There is No NSG Rules



Like This Primary VM we need to Associate to NSG for Created NIC

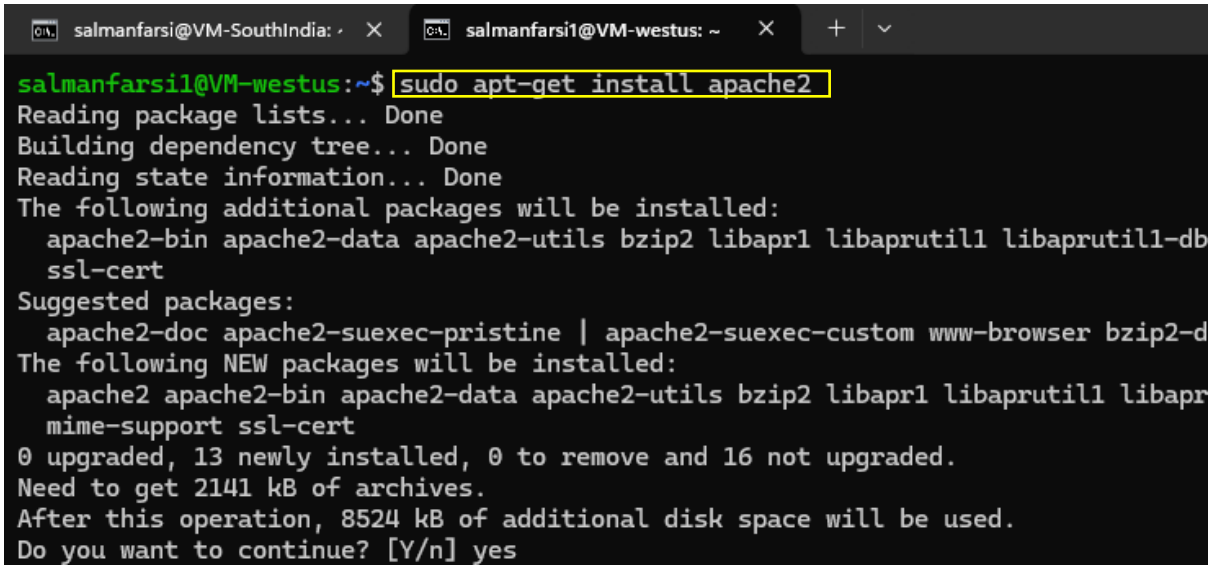


Module 6: Assignment - 4

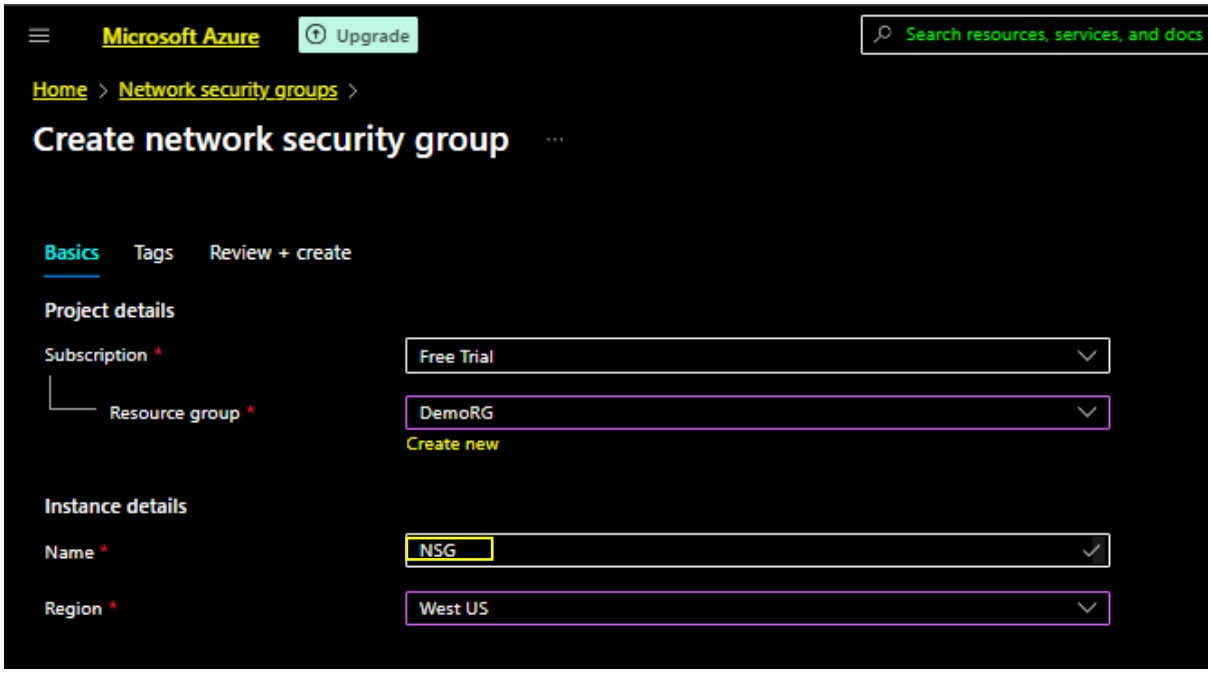
Tasks To Be Performed:

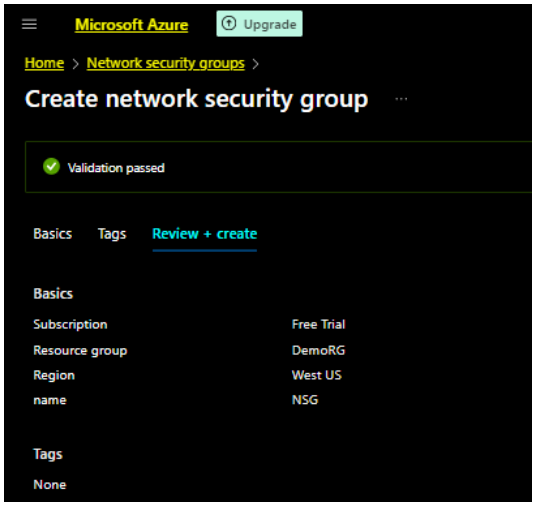
1. Use the previously created Linux VM
2. Install Apache2 on this VM
3. Create a Network Security Group to the subnet in which VM has been deployed
4. Open NSG rules for subnet and VM on port 80
5. Verify if you can see the Apache2 page

Installed Apache2 on 2nd Assignment

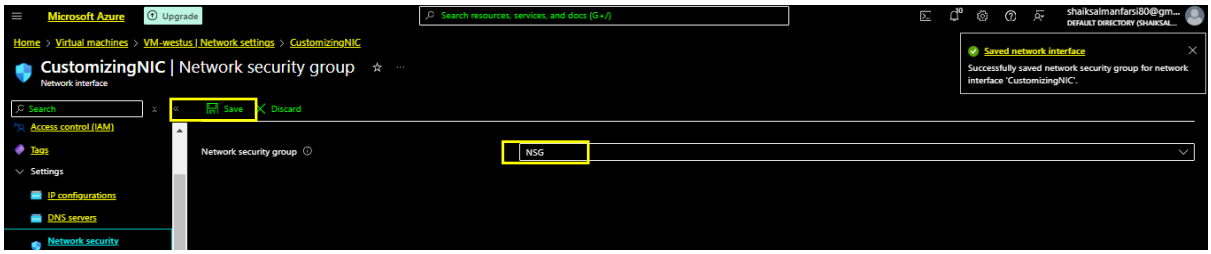


Now Creating NSG



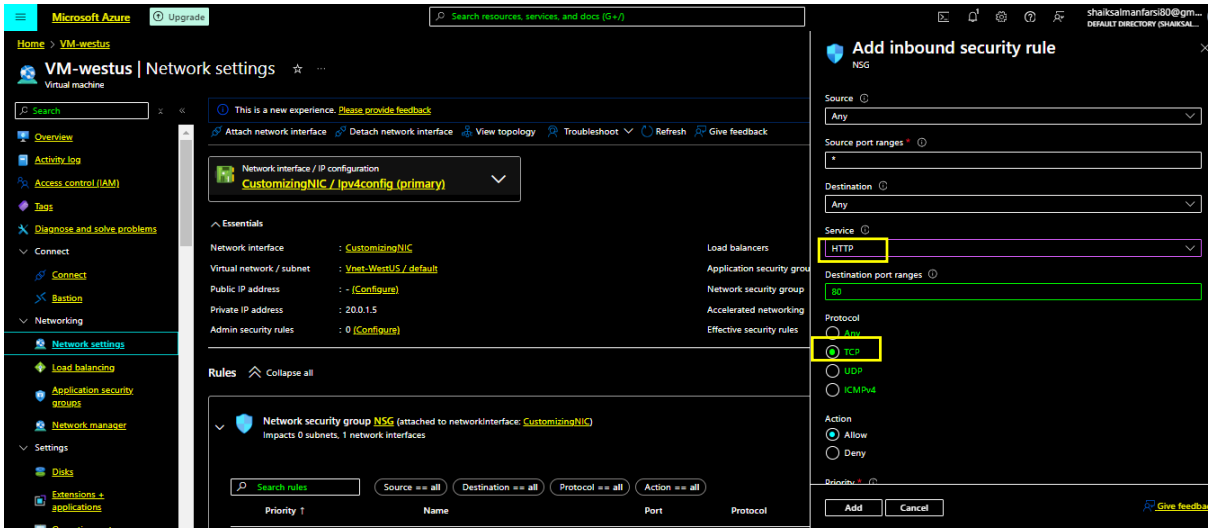


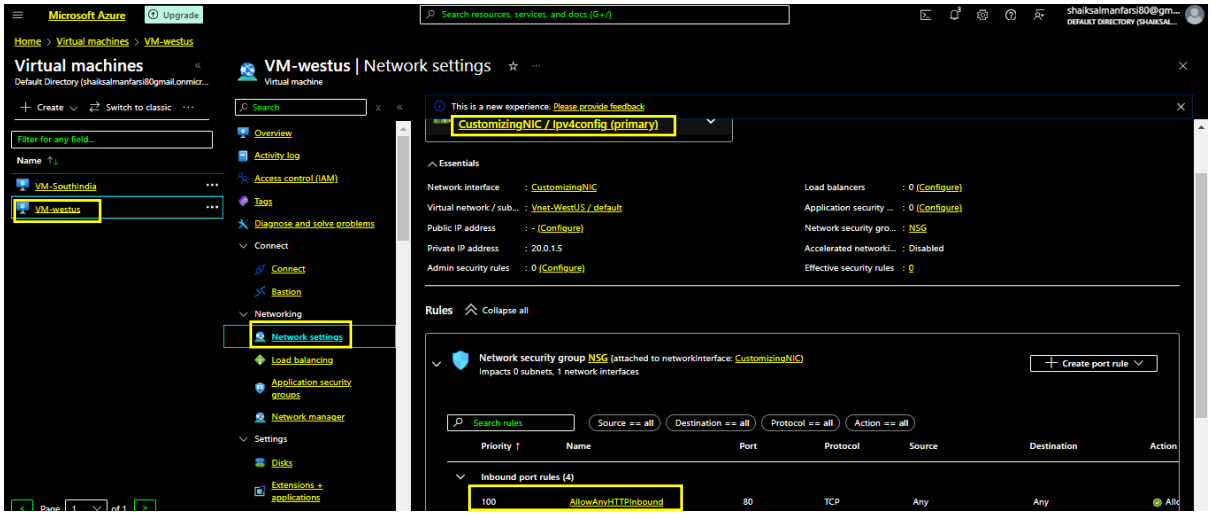
Now in the Customizing NIC need to Associate NSG and Save it



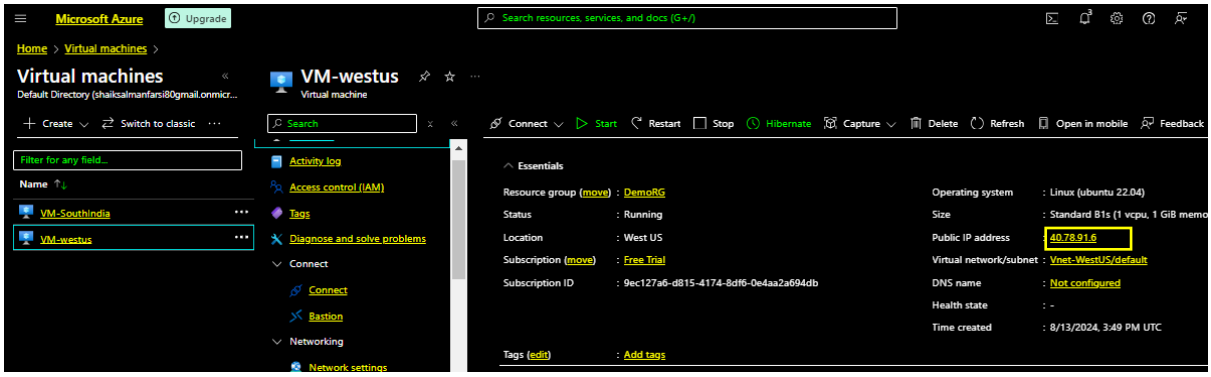
We Can see the Default port rules of NSG

Now Allowing Port 80 Created NIC and Associated NSG

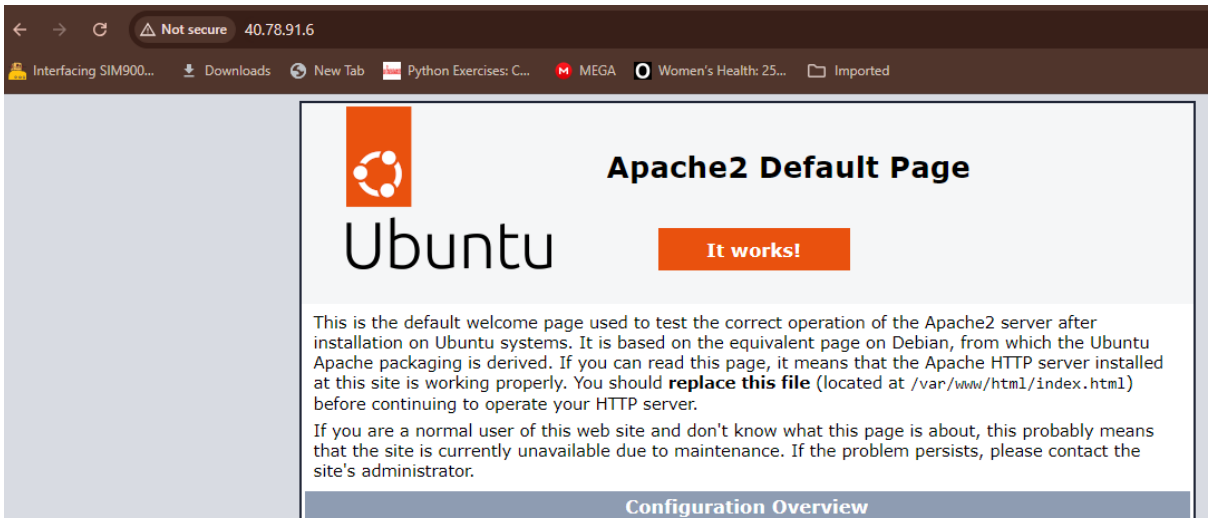




Copy the Public IP



Worked Successfully



Module 6: Assignment - 5

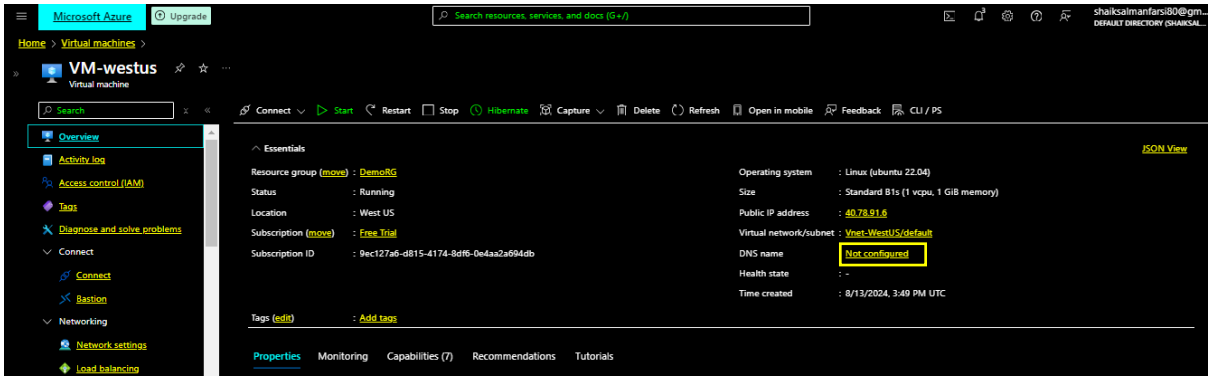
Azure 104 Certification Course

IntelliPaat

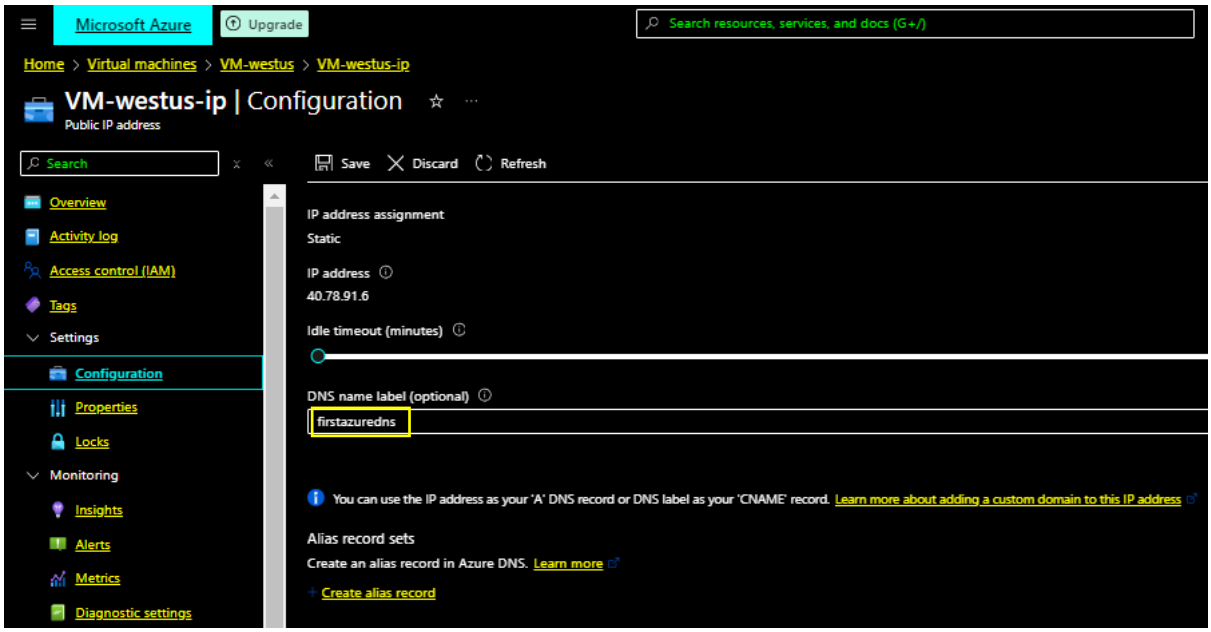
Tasks To Be Performed:

1. Use the previously created Apache2 VM
2. Get a free domain from freenom.com
3. Use Azure DNS to point this free domain to your VMs IP

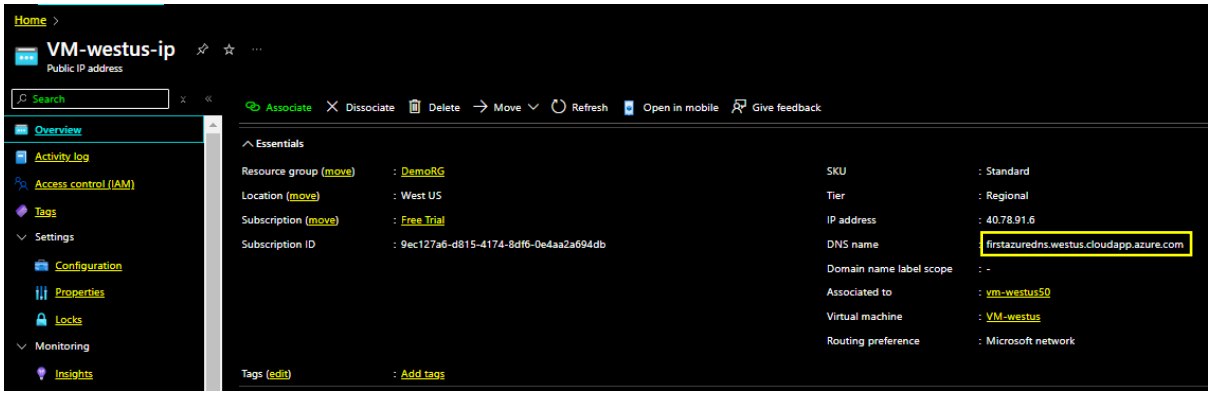
Click on DNS Name and Do Configure



Now Giving DNS Label Name



Copy the DNS Name



Paste on Browser, Now we can able to see apache2