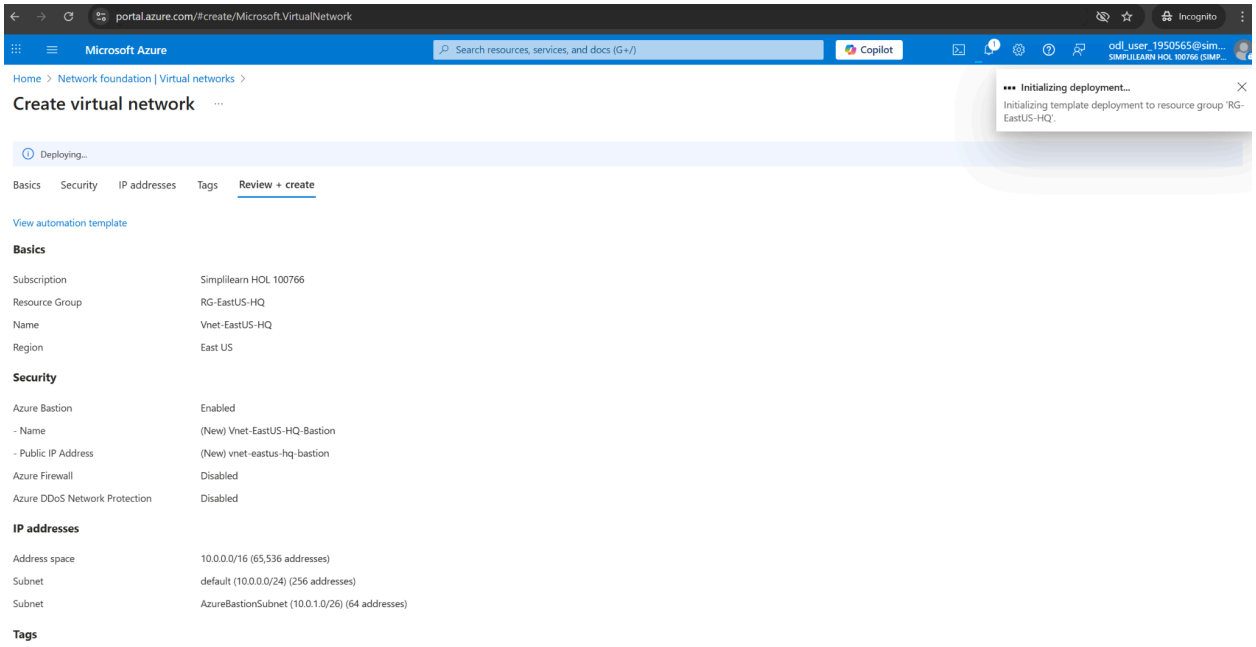
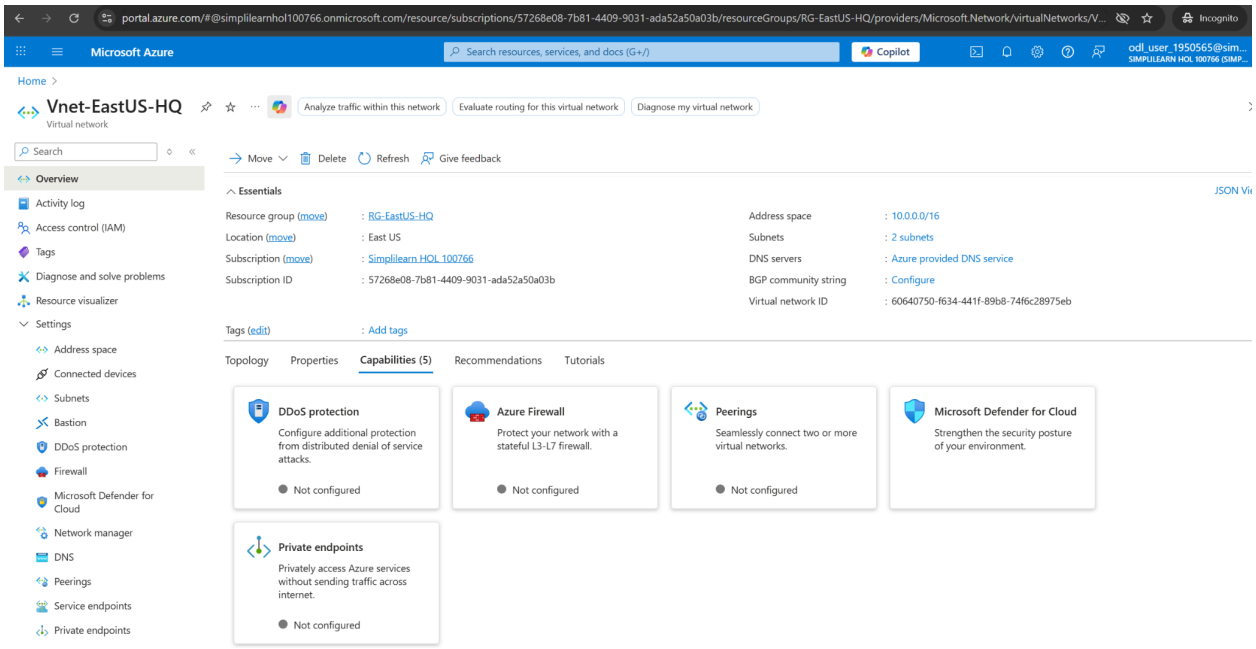
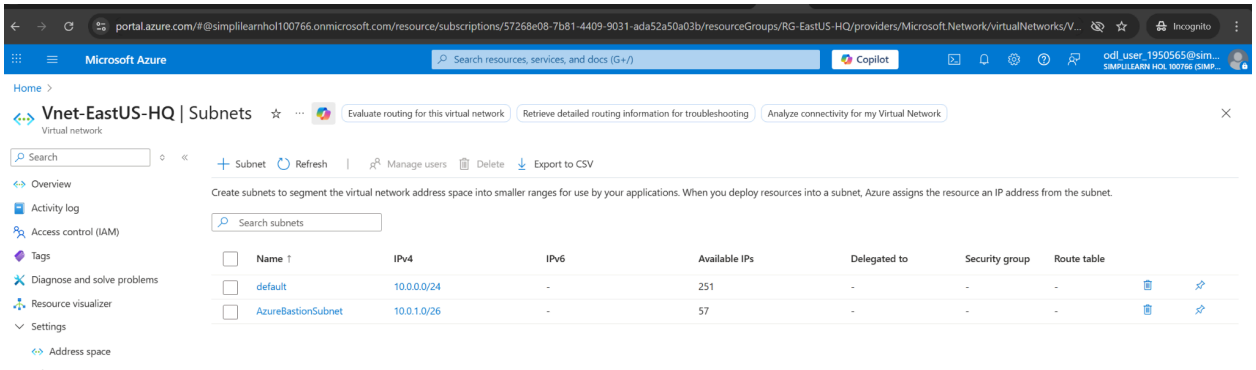
Screenshots

Create virtual network for East US

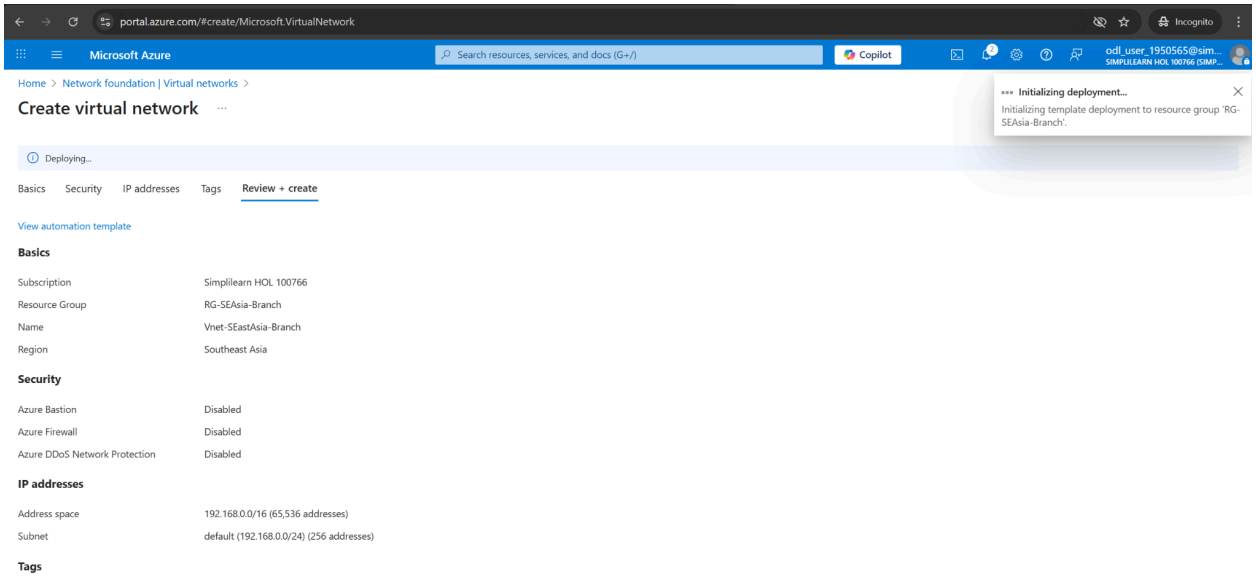


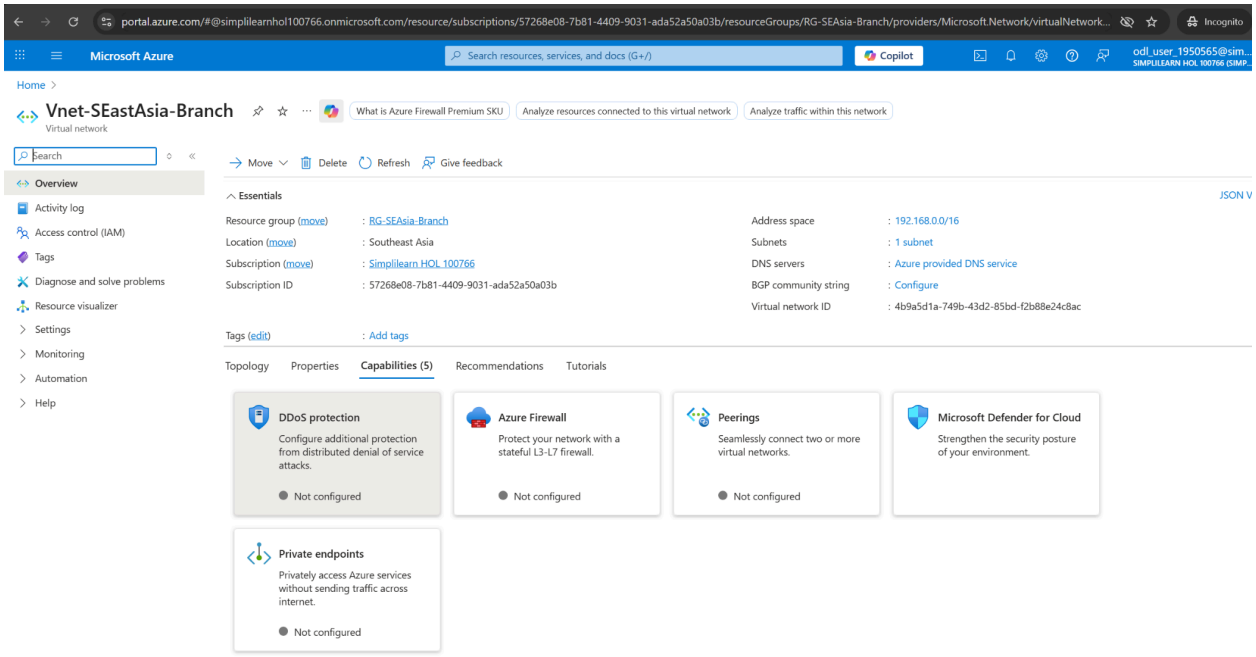


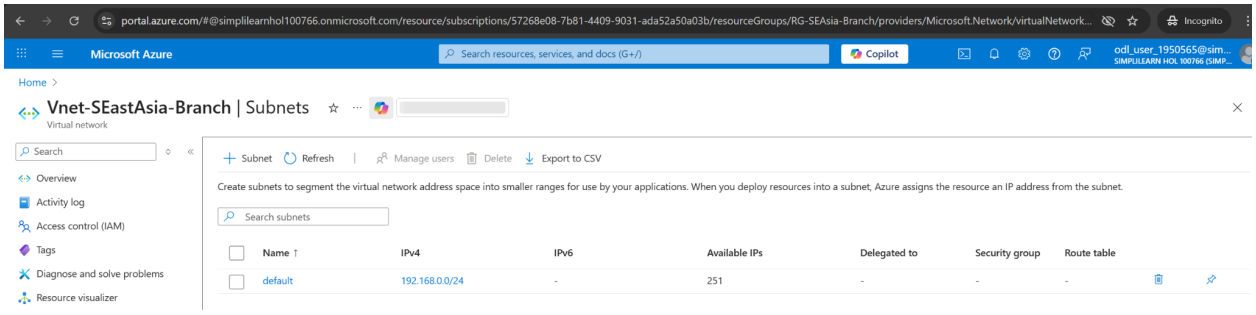


Bastian subnet for accessing the VM via bastian box as they will having only private ip’s

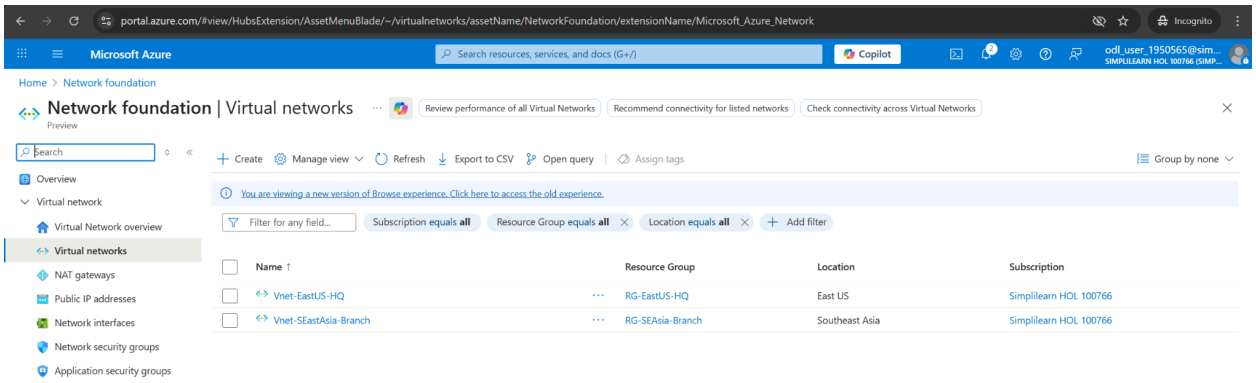
Create virtual network for South east asia



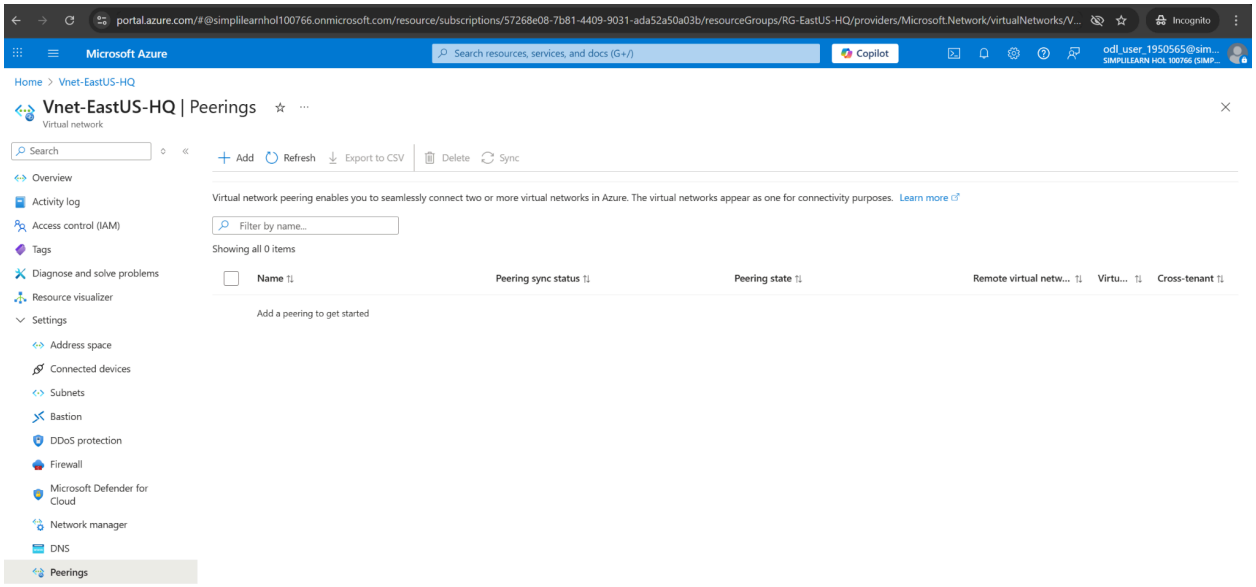




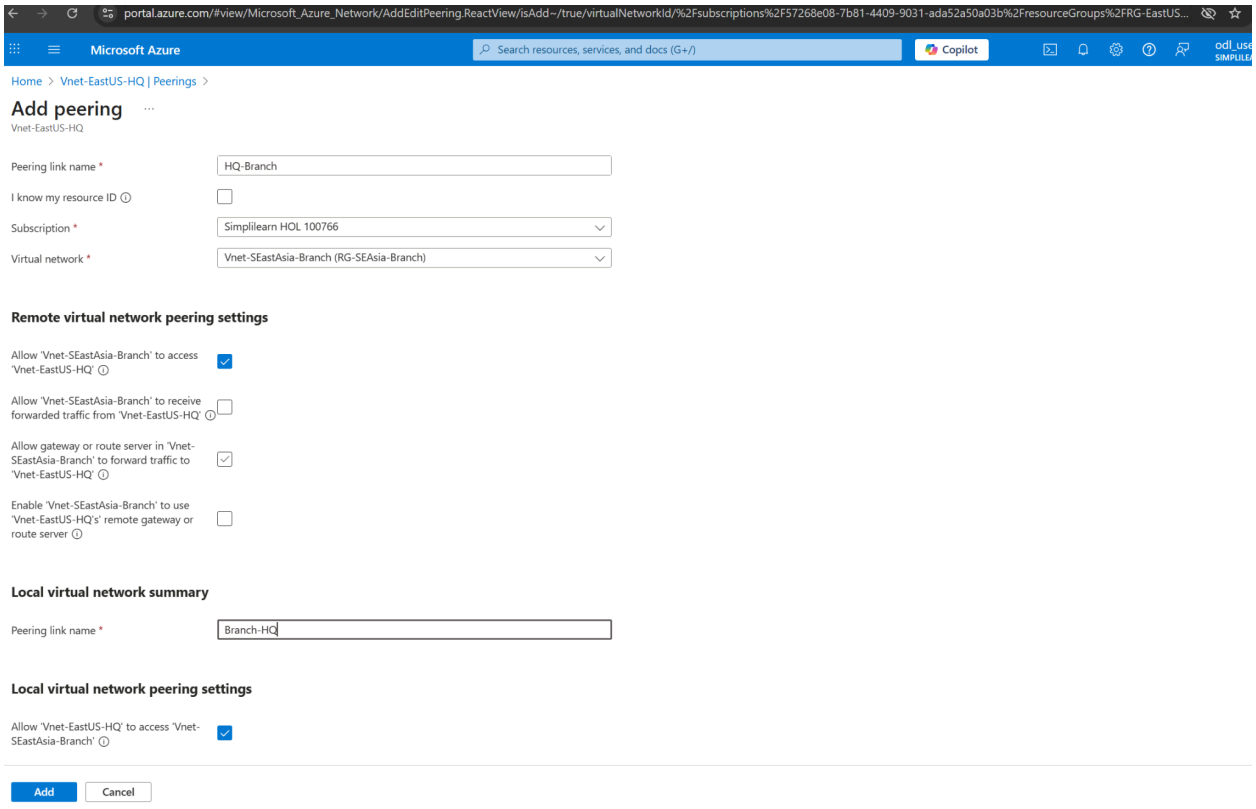
2 Virtual networks are created for respective regions



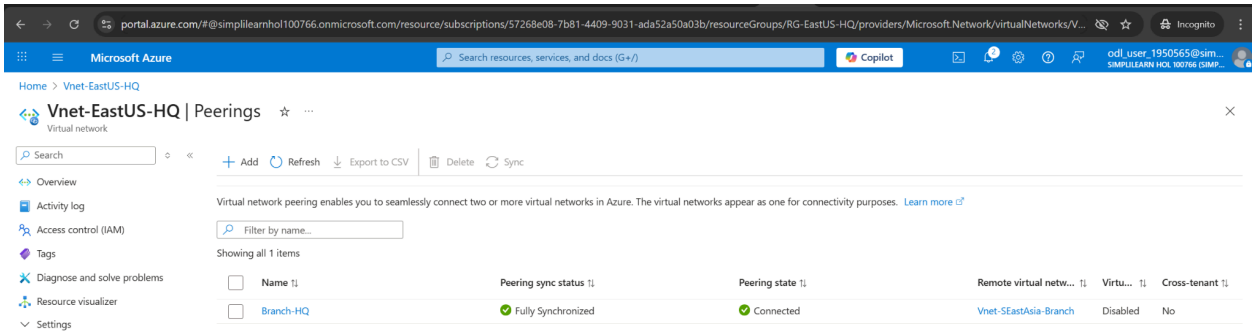
Vnet peering is the next step
Open the left hand side blade for the East US and click on peering



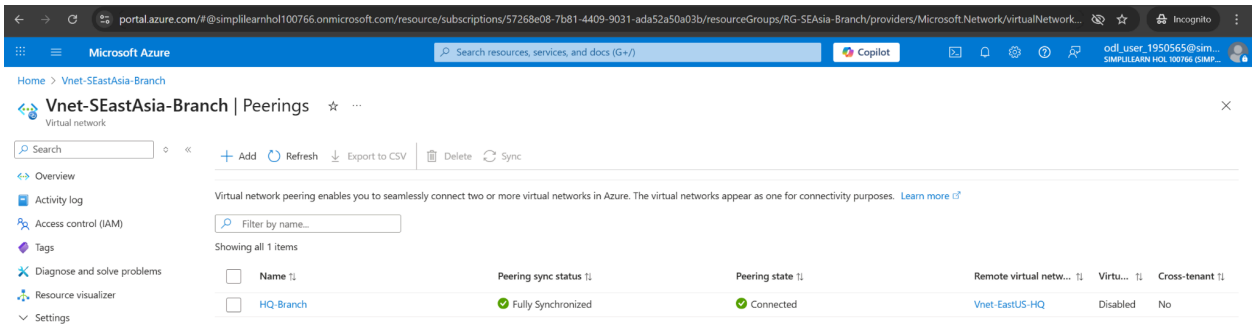
Add a peering to link south east asia branch



Peering is added successfully from HQ to Branch

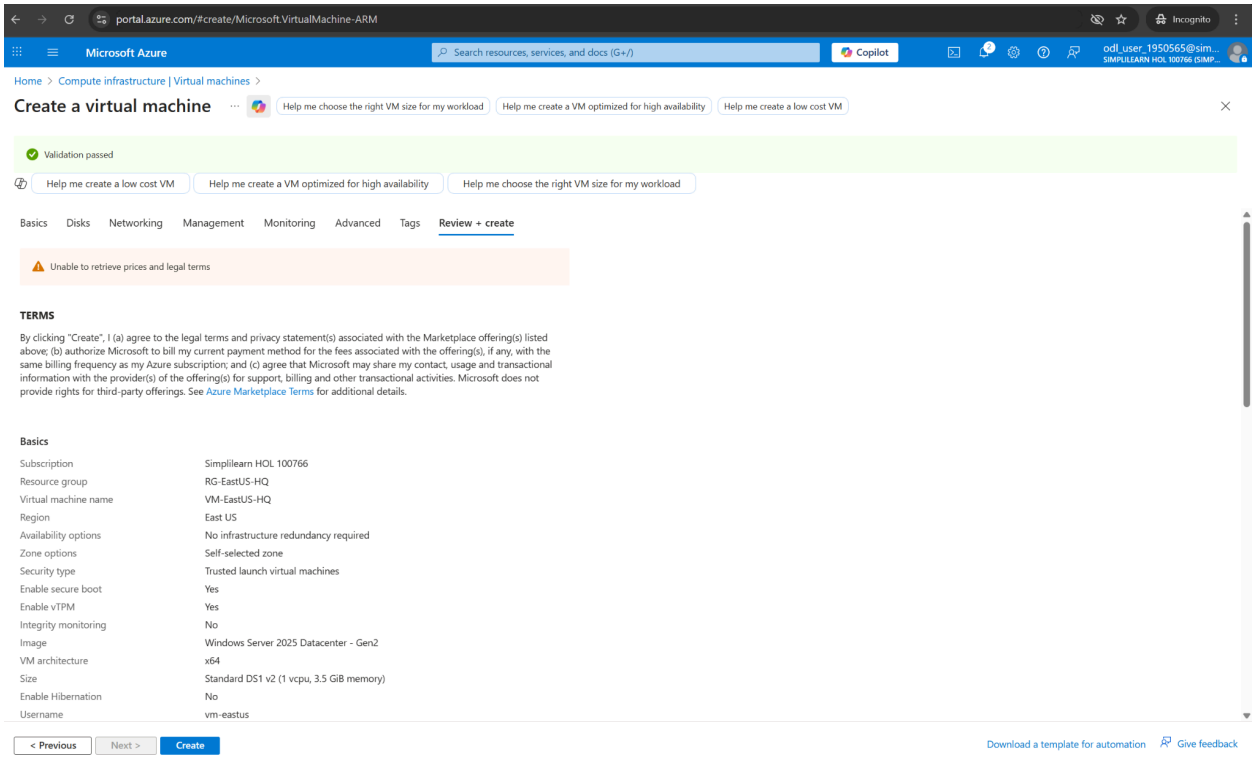


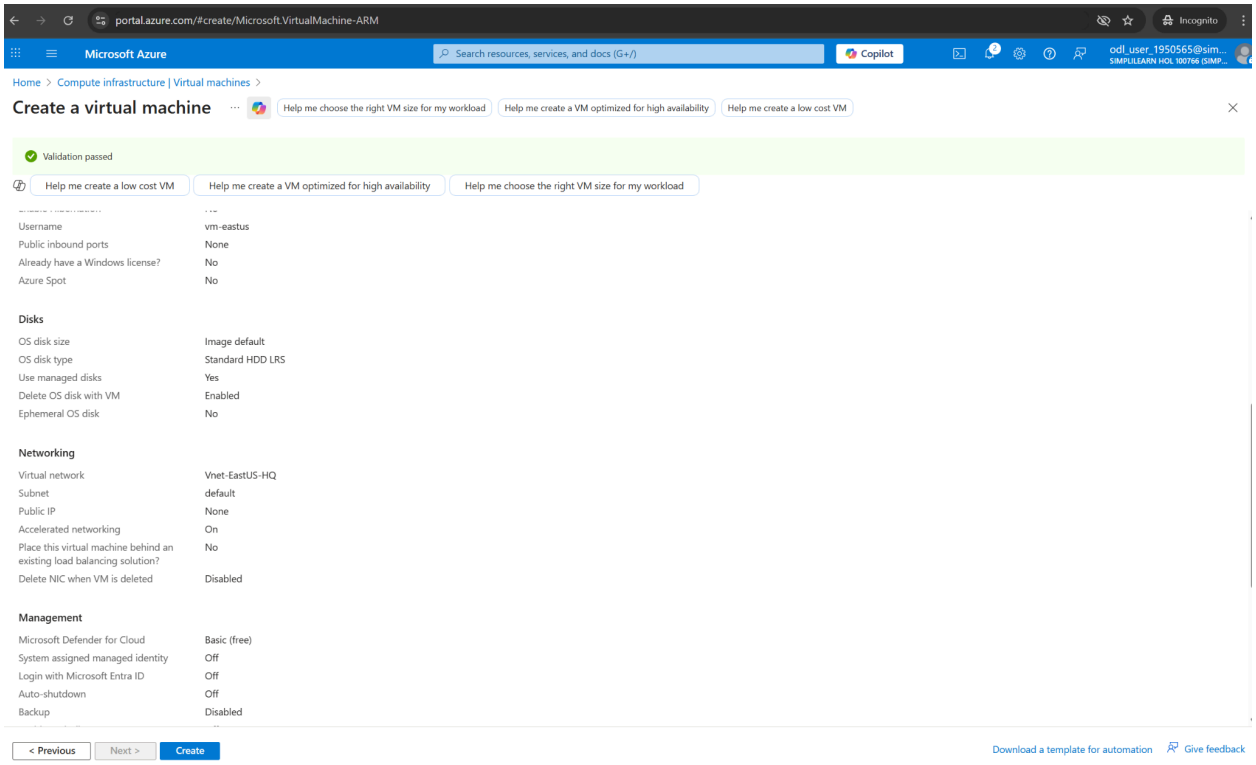
Reverse peer from Branch to HQ is also created



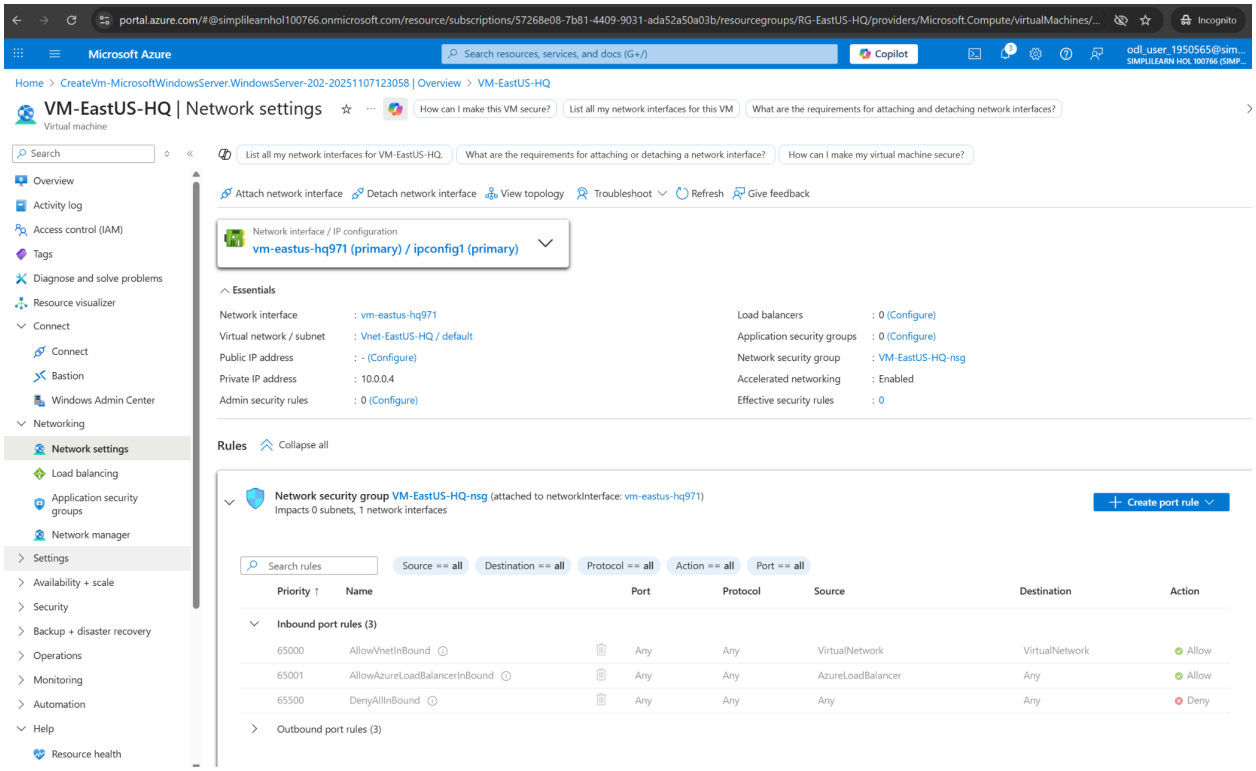
Both the virtual networks are not peered successfully. Next step is VM creation with no public ip’s

Creation of HQ - VM

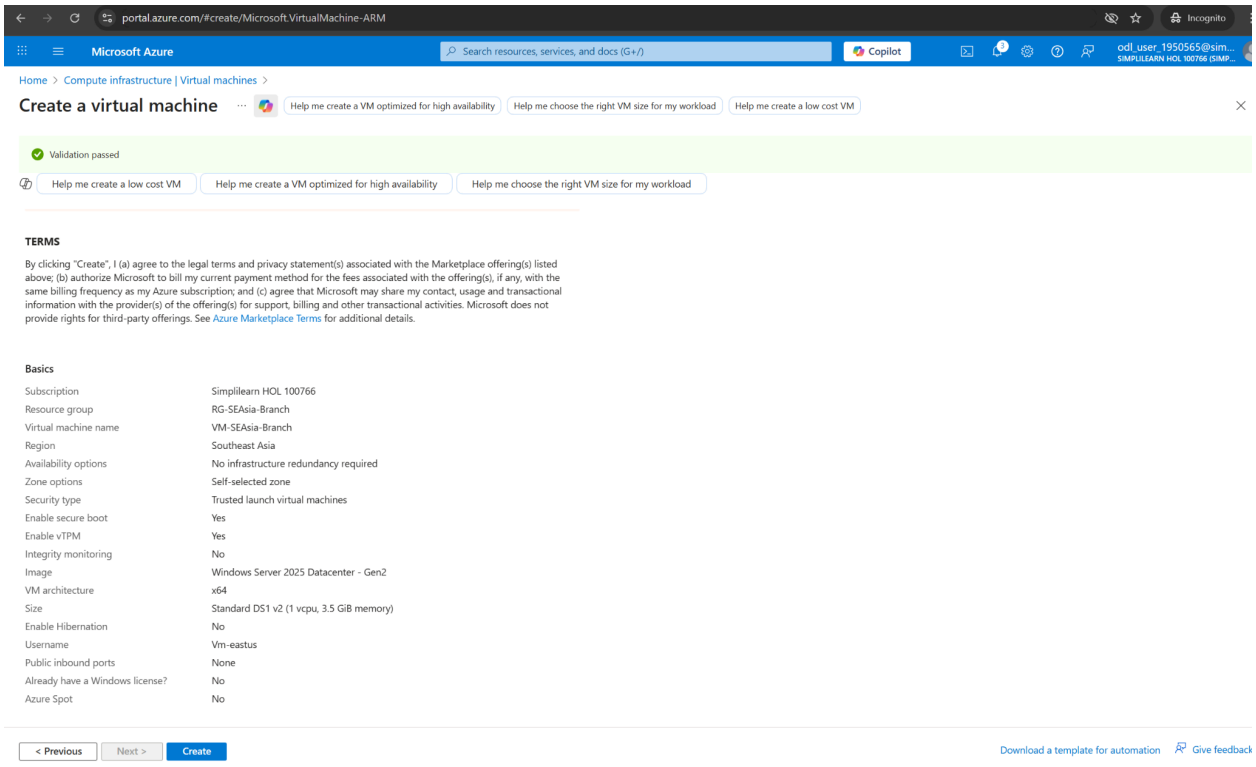


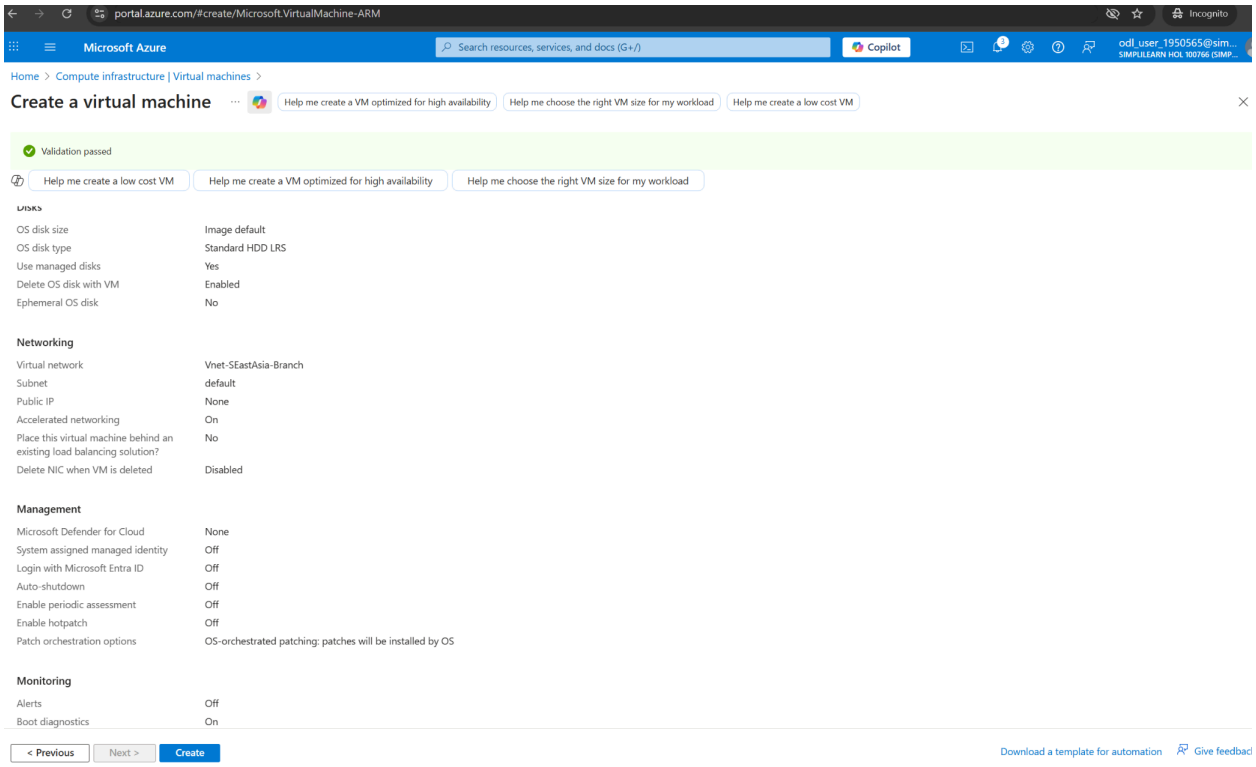


Deployment is successful . Note down the private ip - 10.0.0.4

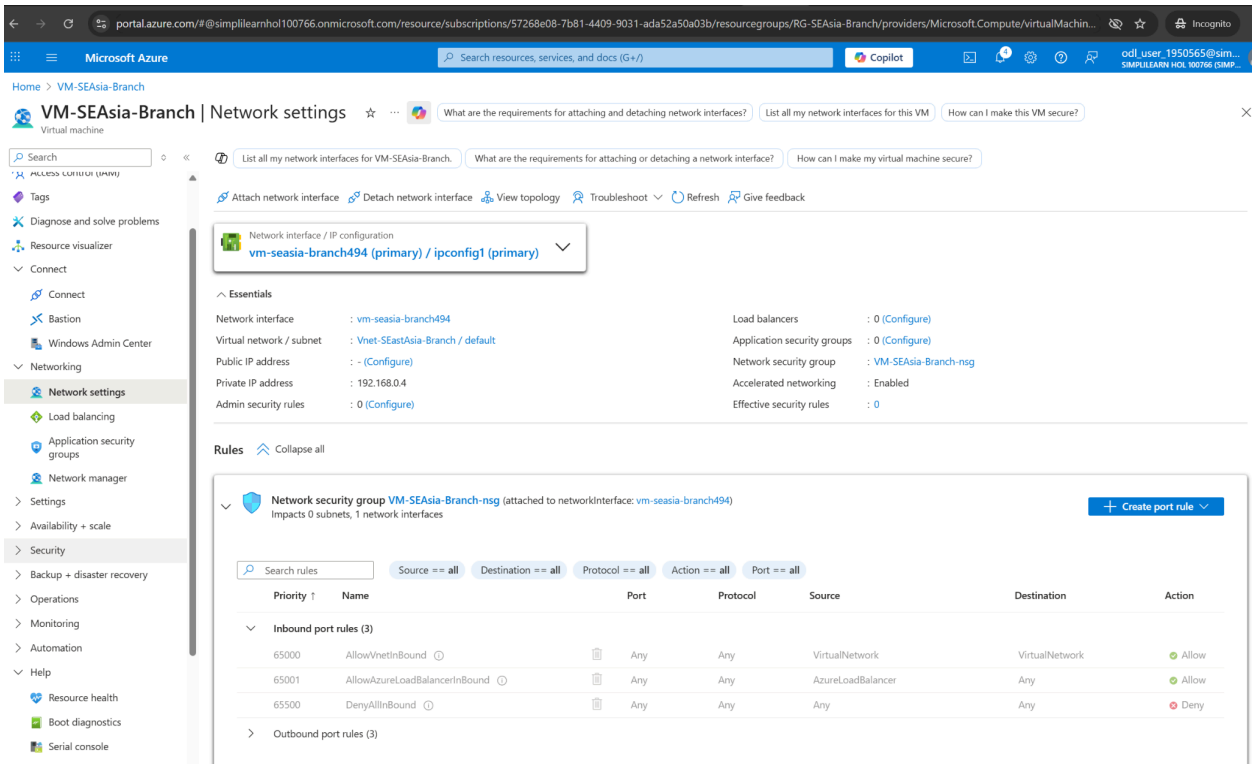


Creation of branch - VM

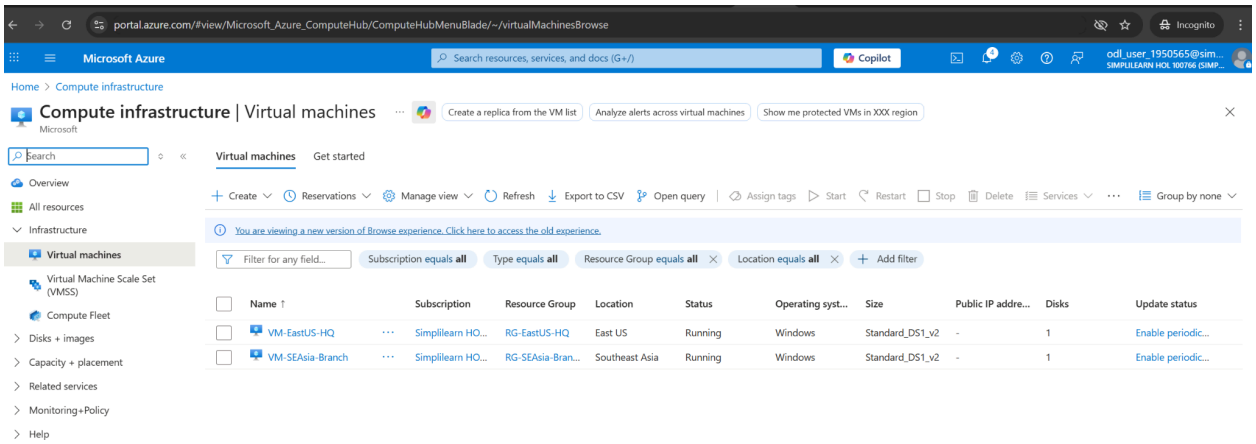




Deployment is successful . Note down the private ip 192.168.0.4

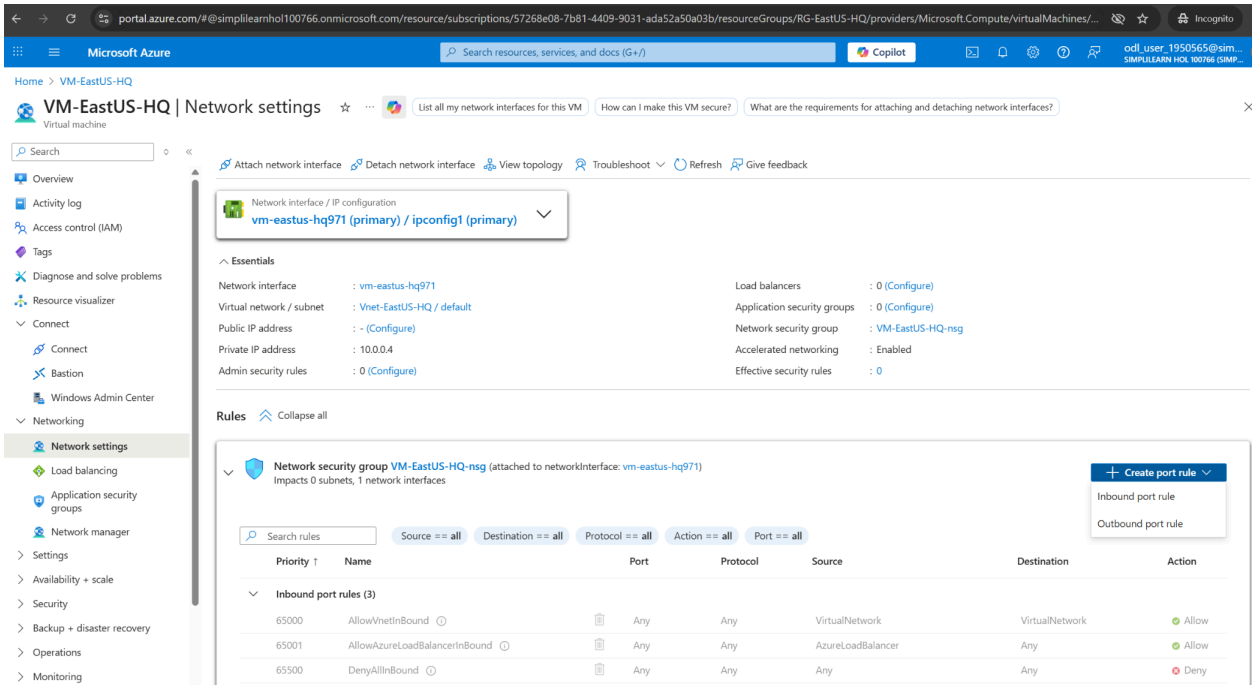


Both VM's are now created

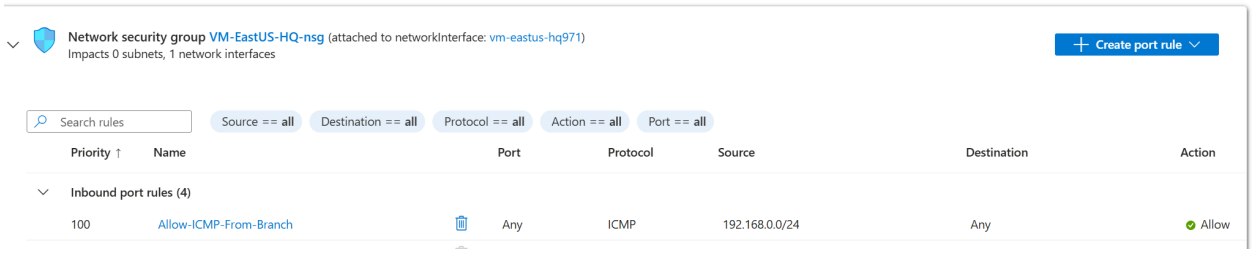


Set the NSG rule in HQ-VM for ICMP

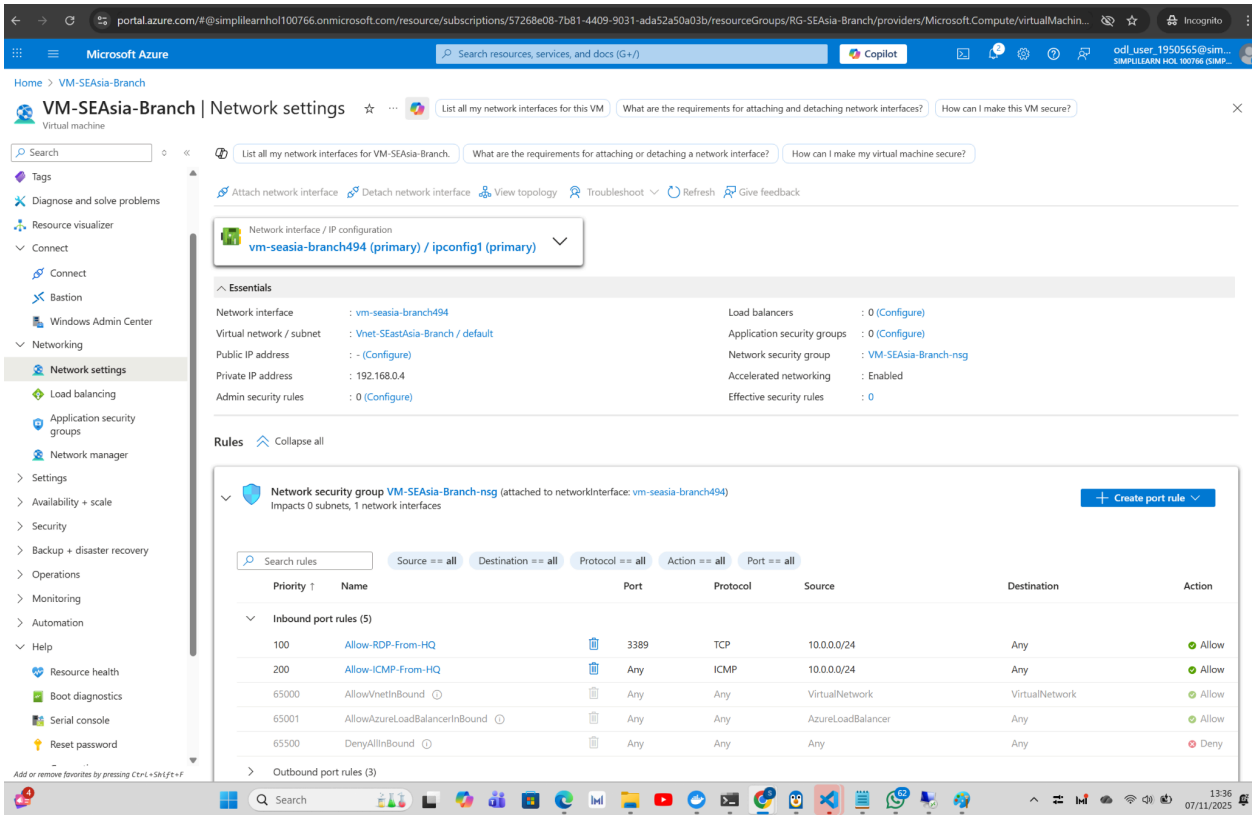
Go to Networking -> Network settings and go to create inbound port rule



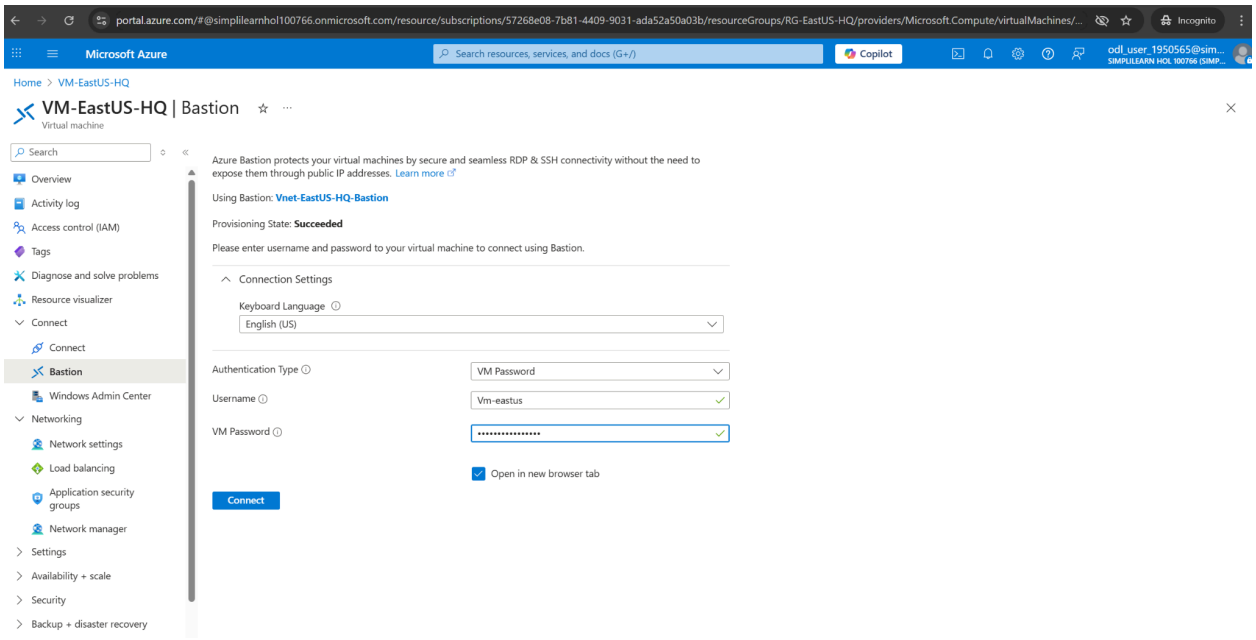
ICMP (to enable pinging)



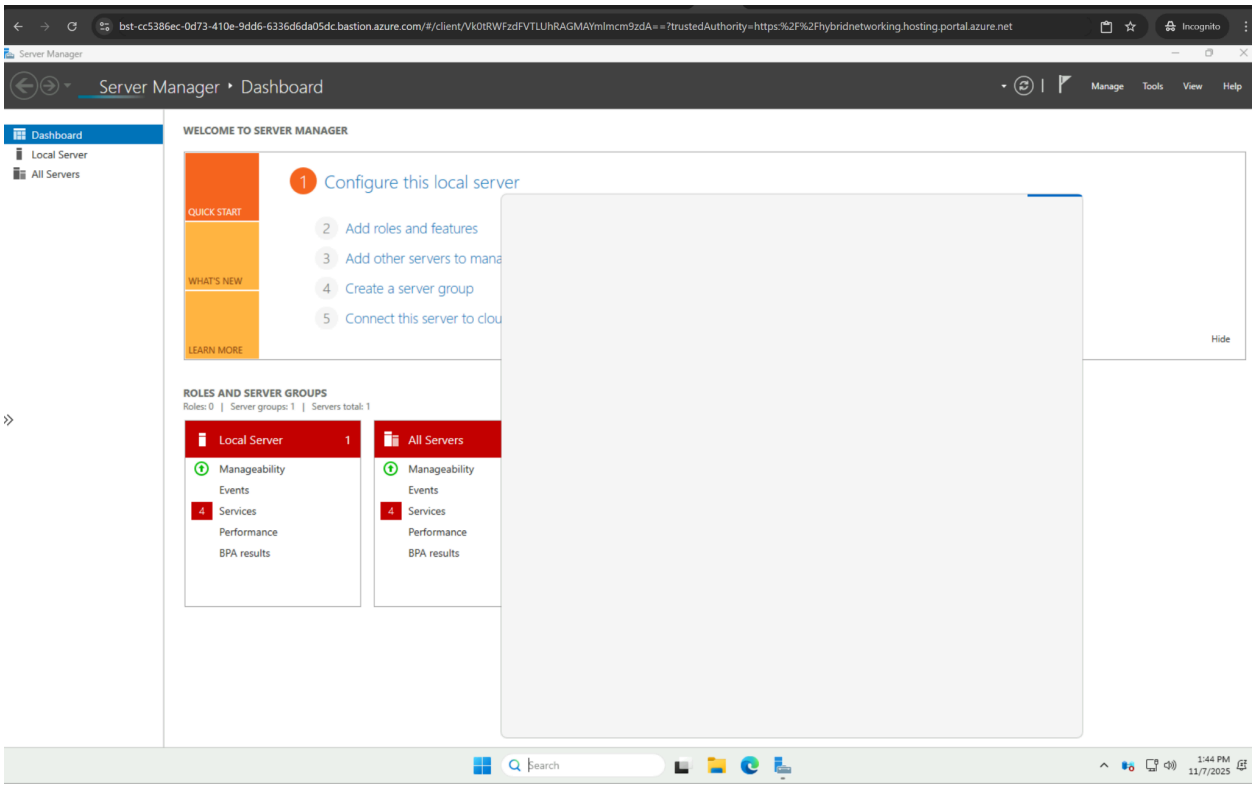
Set the NSG rule in Branch-VM for ICMP and to allow RDP from HQ to Branch



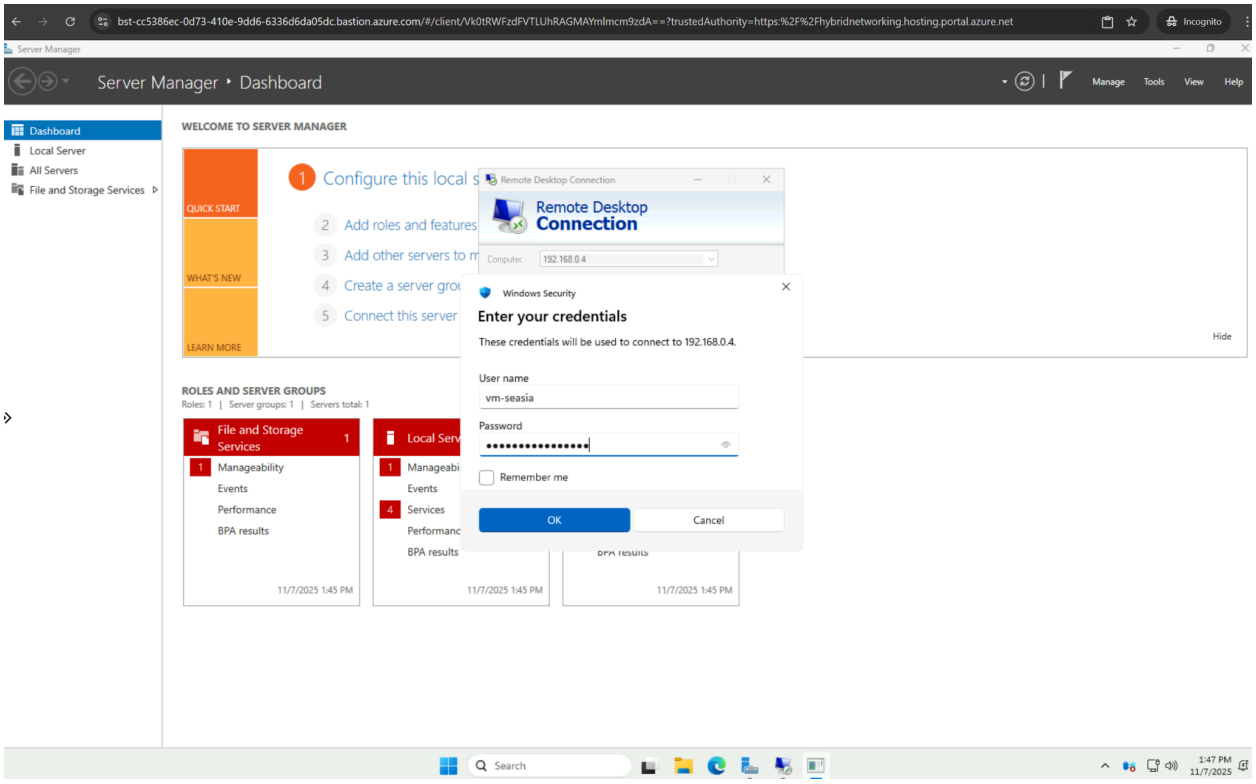
Login to HQ VM Bastion

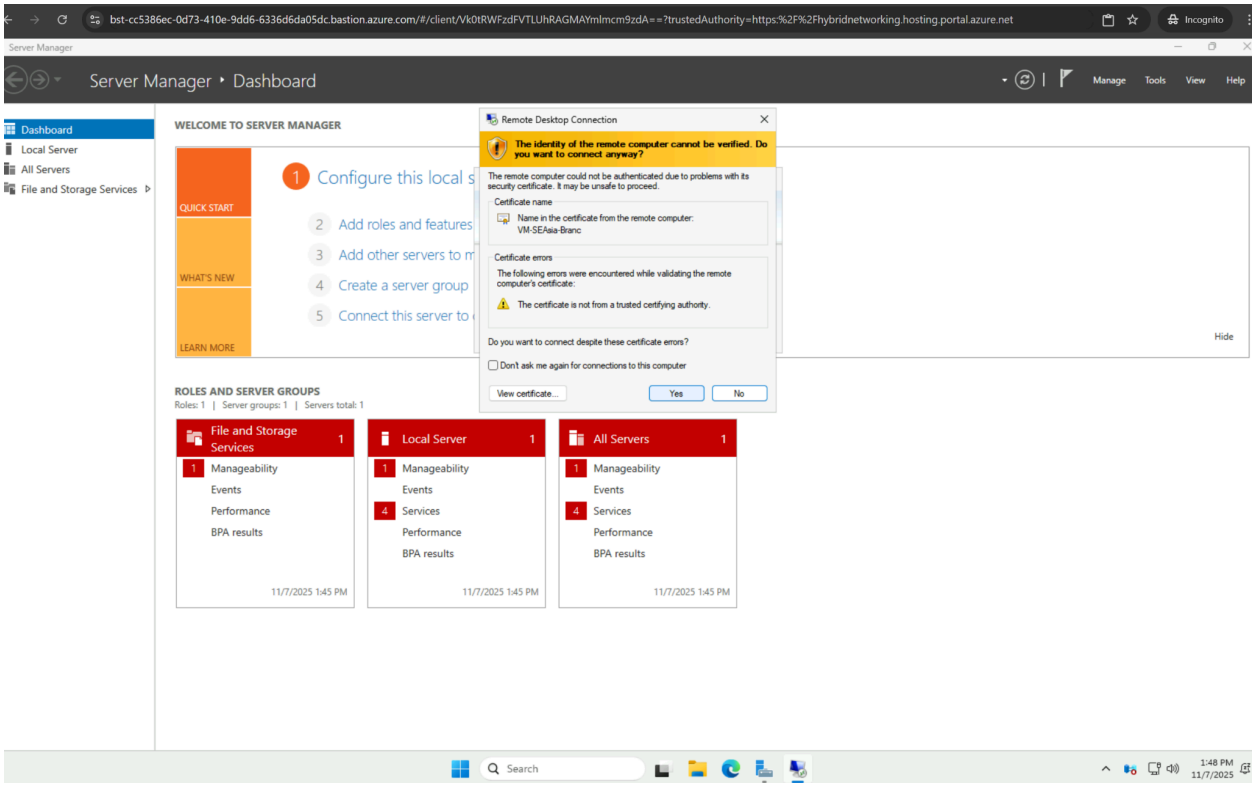


Bastion Login

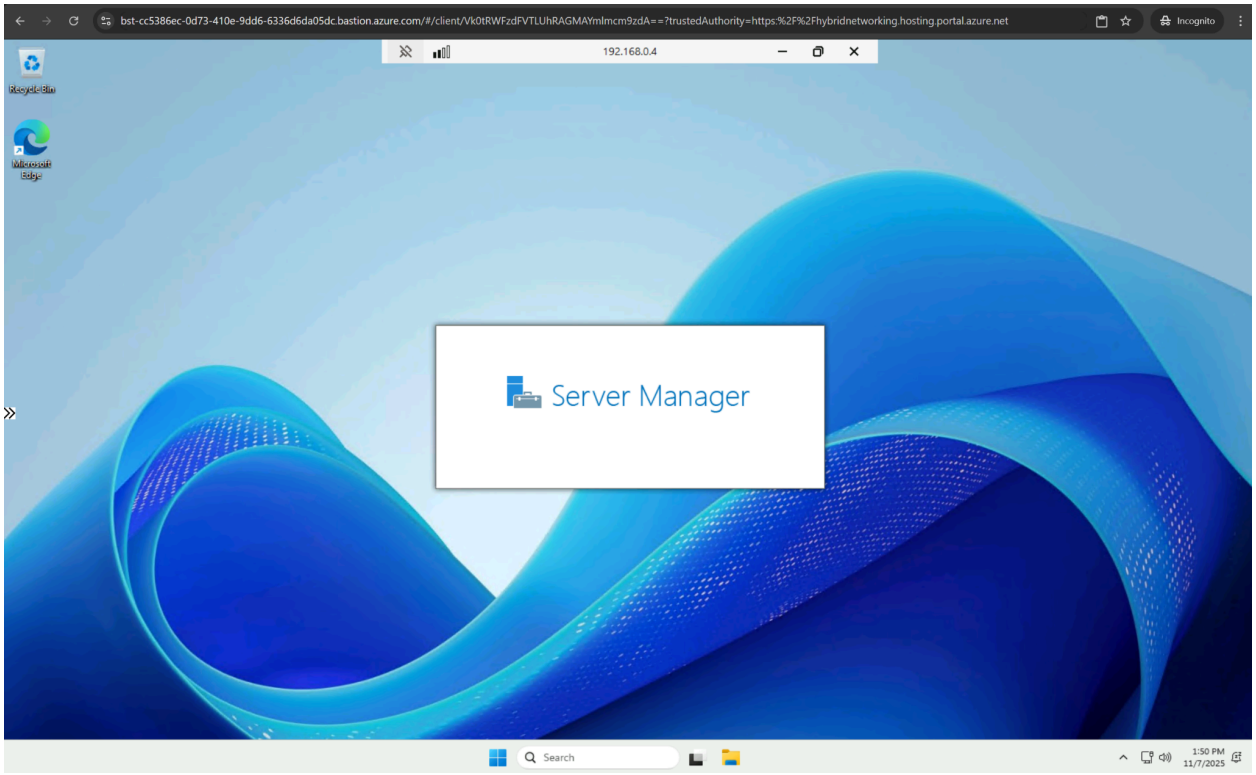


RDP from HQ bastion to Branch machine by using private ip of the branch

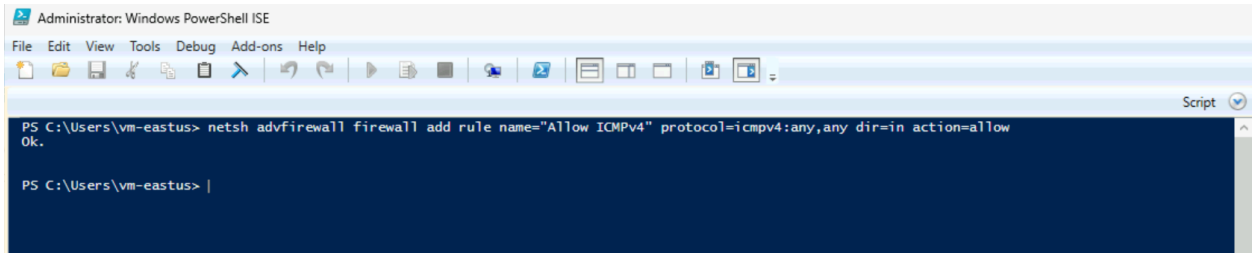


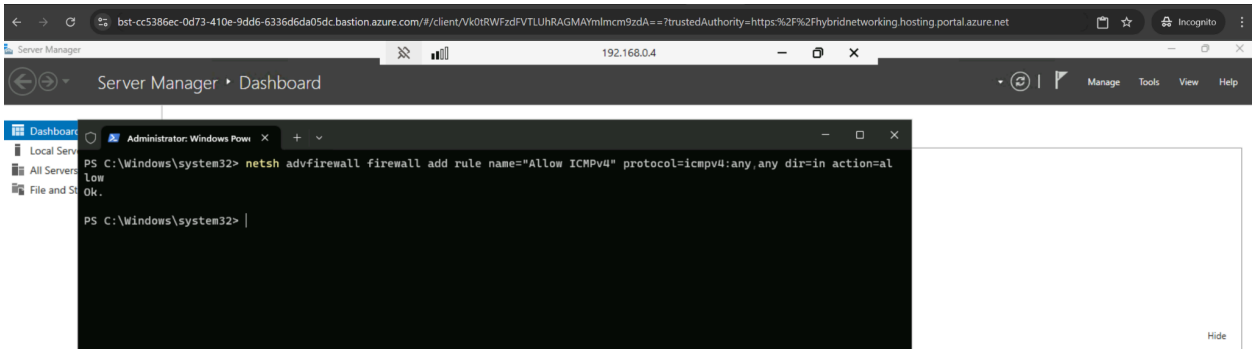


Connection established . Peering has worked successfully as HQ is now able to connect to branch where both are in different virtual machines

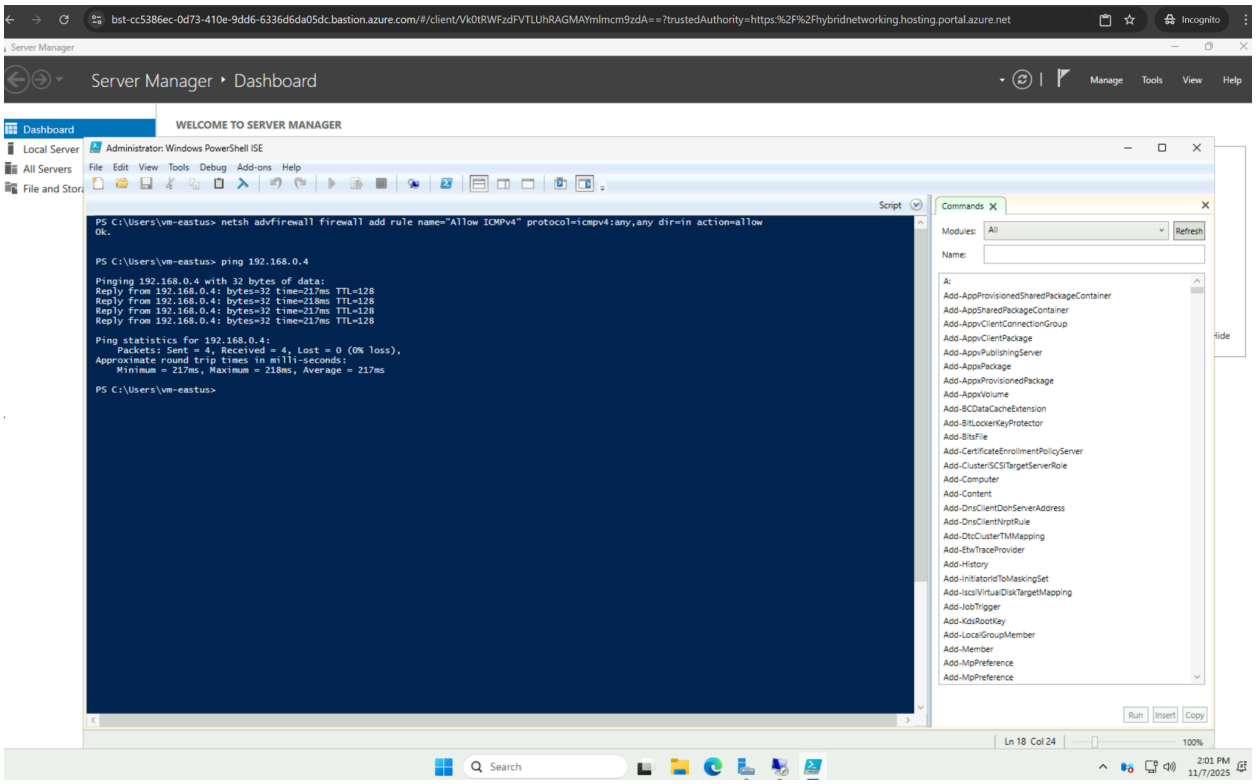


Run the command for windowsfirewall in HQ

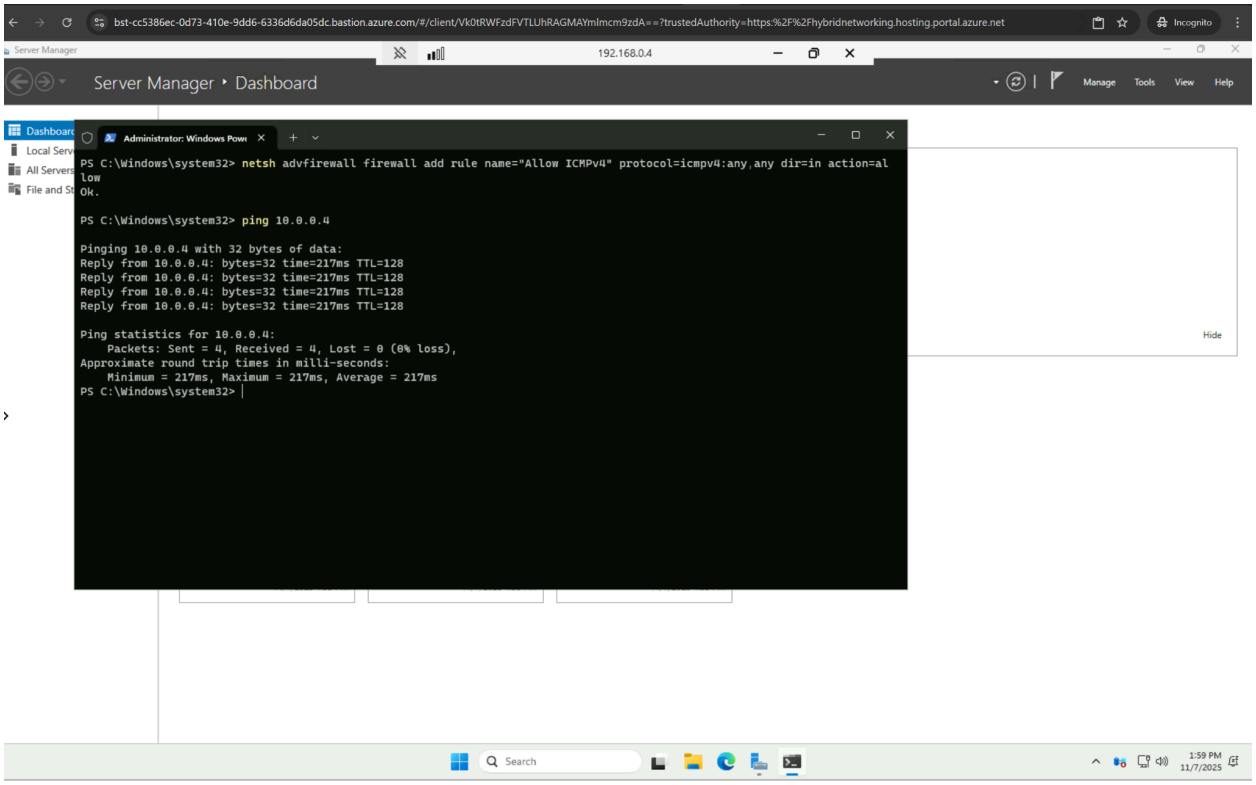




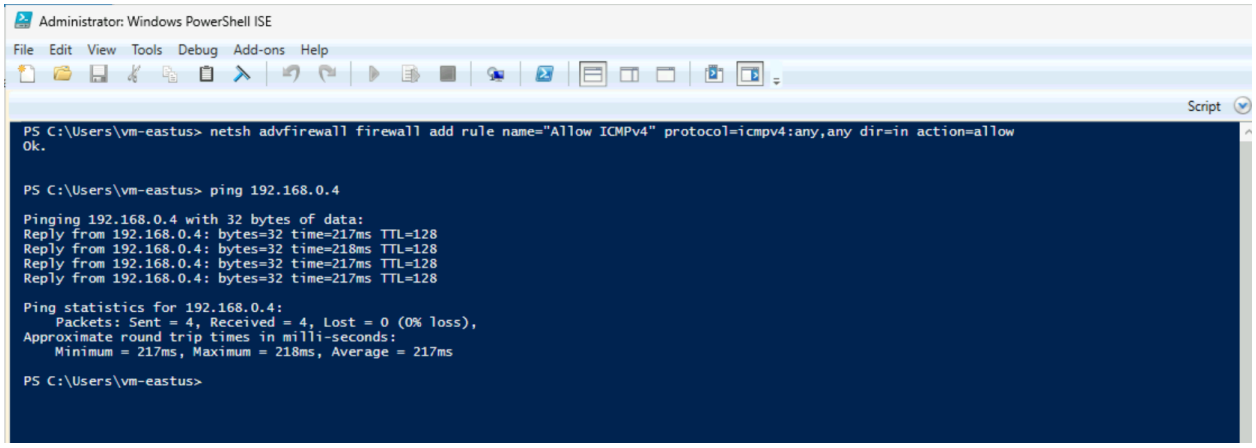
Ping from HQ to the private ip of Branch(192.168.0.4) is successful



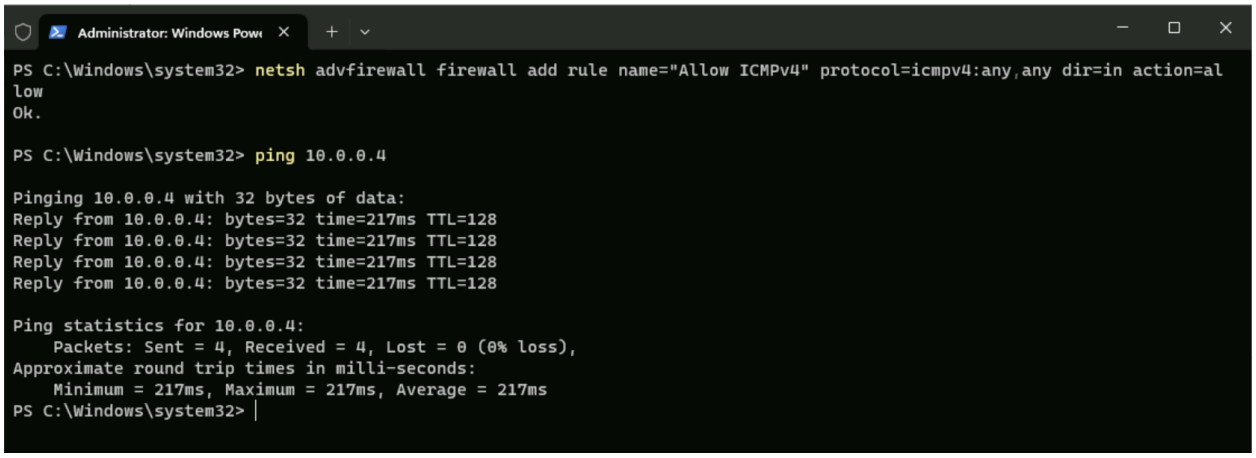
Ping from Branch to the private ip of HQ(10.0.0.4) is successful



HQ-> Branch ping



Branch-> HQ ping



End Note -

✅ VNet-EastUS-HQ ↔ VNet-SEAsia-Branch peering works both ways
✅ NSG rules allow ICMP between the two VMs
✅ Windows Firewall ICMP rules applied successfully
✅ Private-to-private communication over Azure backbone verified
✅ Topology meets the business requirement (private channel only)