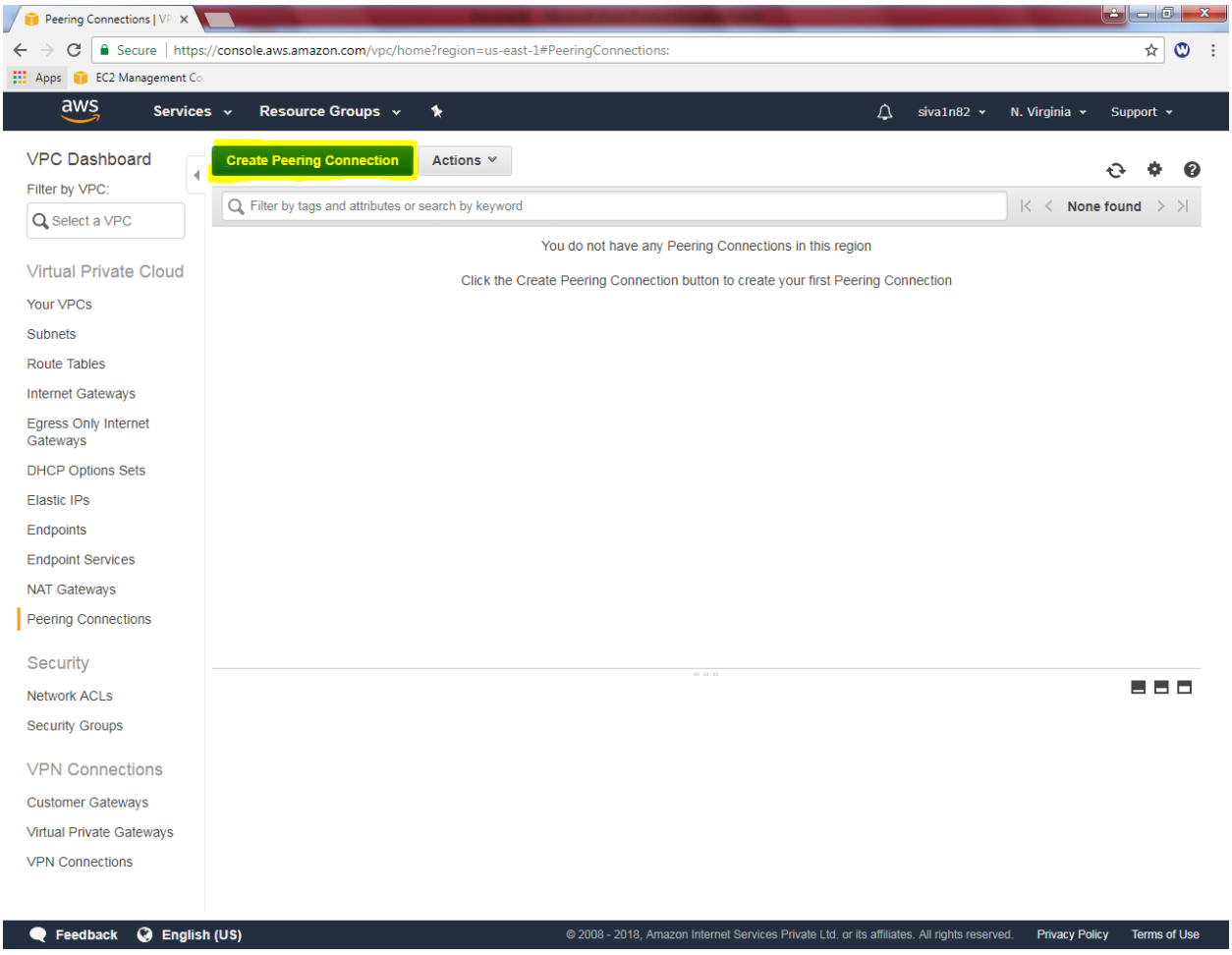
Lab 12

VPC Peering Lab – 3 of 3

Goto “N.Virginia”region,

Goto VPC Dashboard,

Click “Peering connections”



Click “Create Peering Connections”.

In peering Connection,

Peering Connection name tag: VPC Peer Ohio_NVG

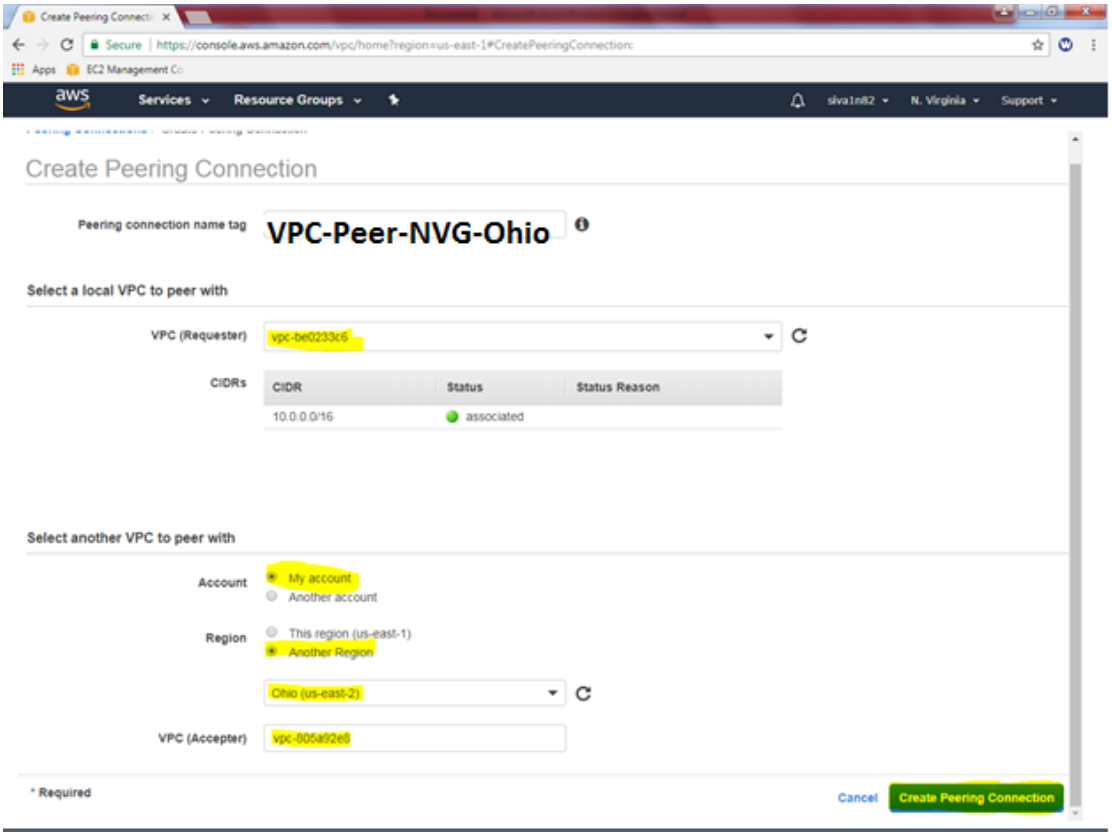
VPC Requestor : VPC_North Virginia

Account : MyAccount

Region : Another Region

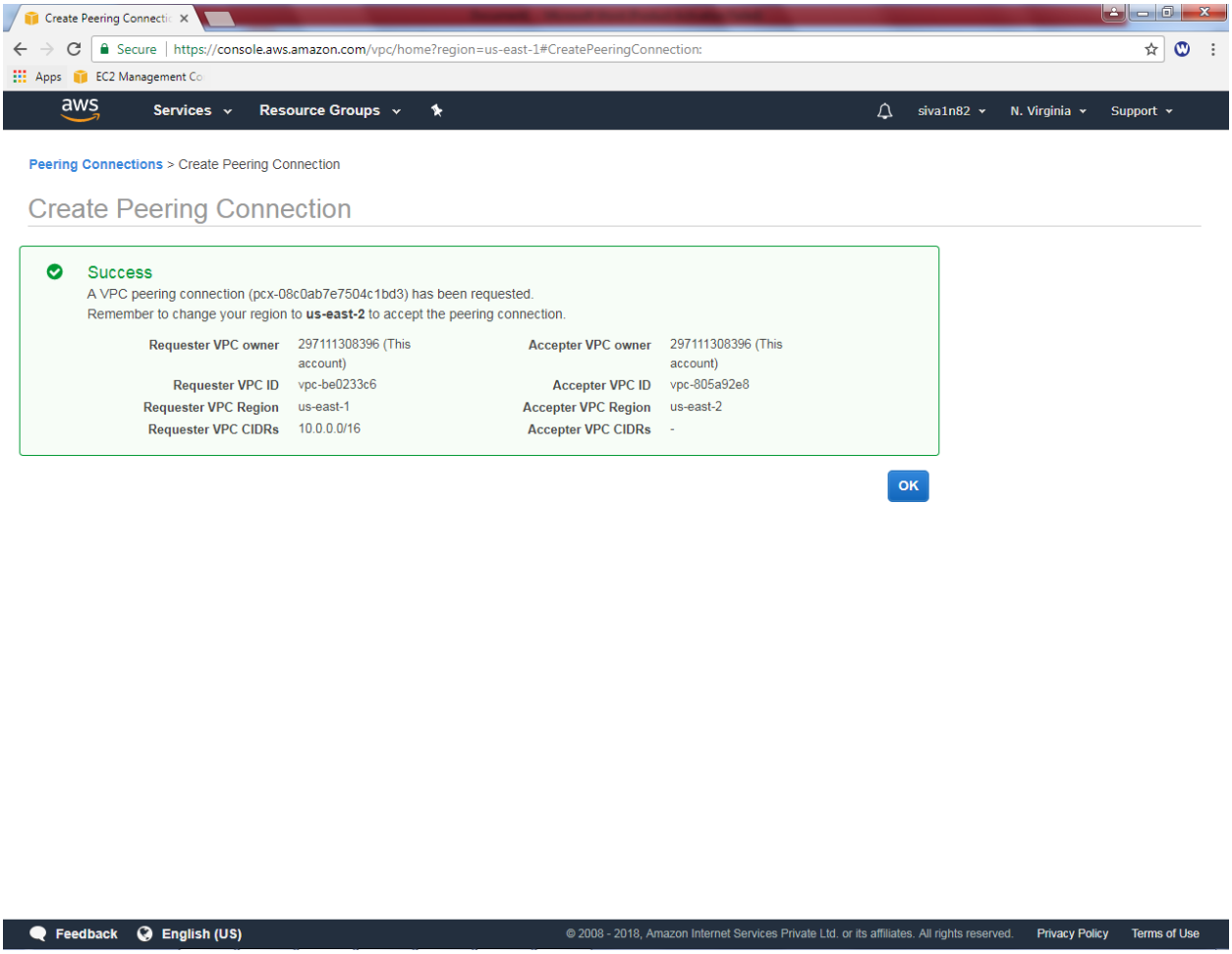
Select: Ohio

VPC Accepter : VPC_Ohio (type VPC ID of VPC Ohio).

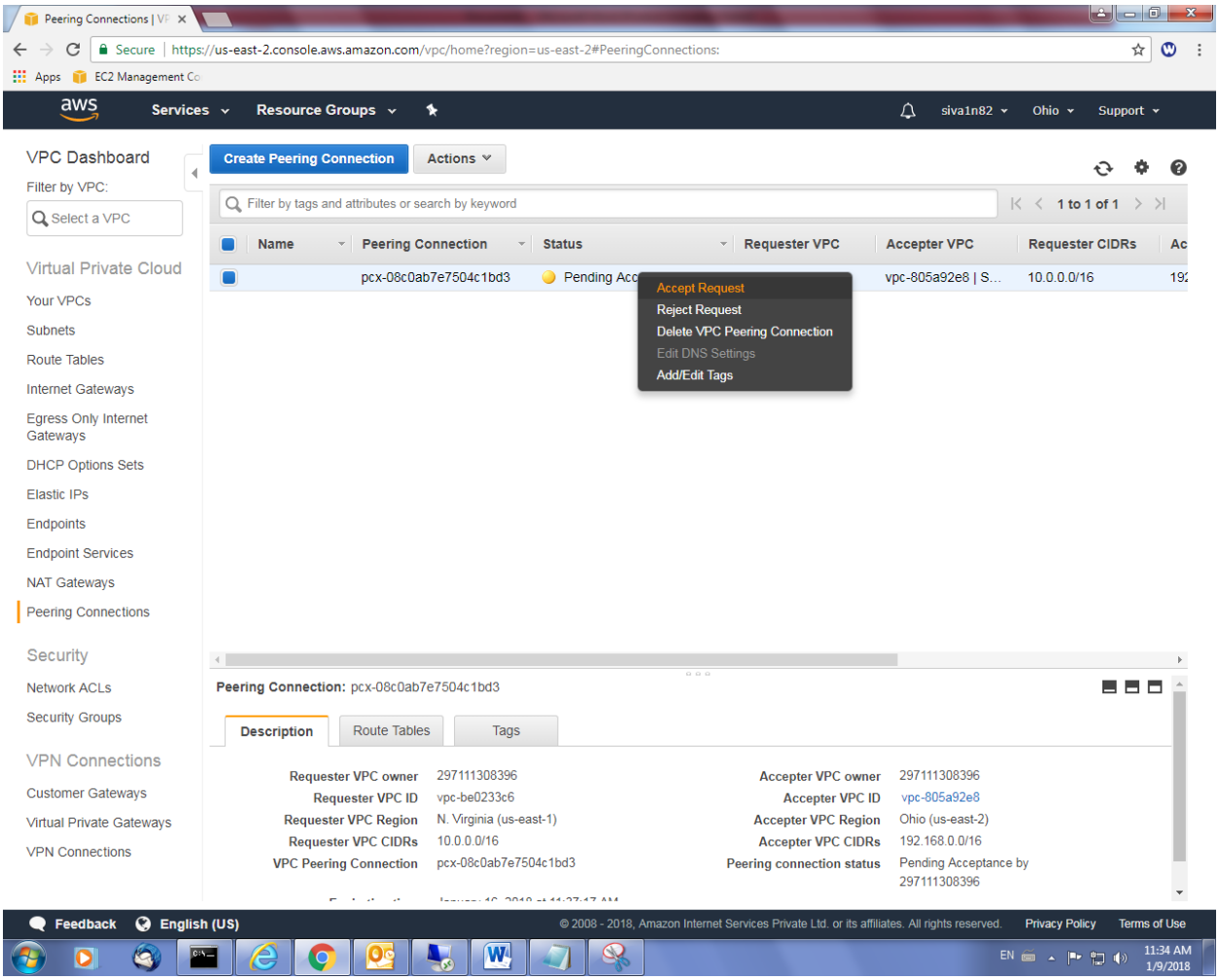


Click “Create Peering Connection”.

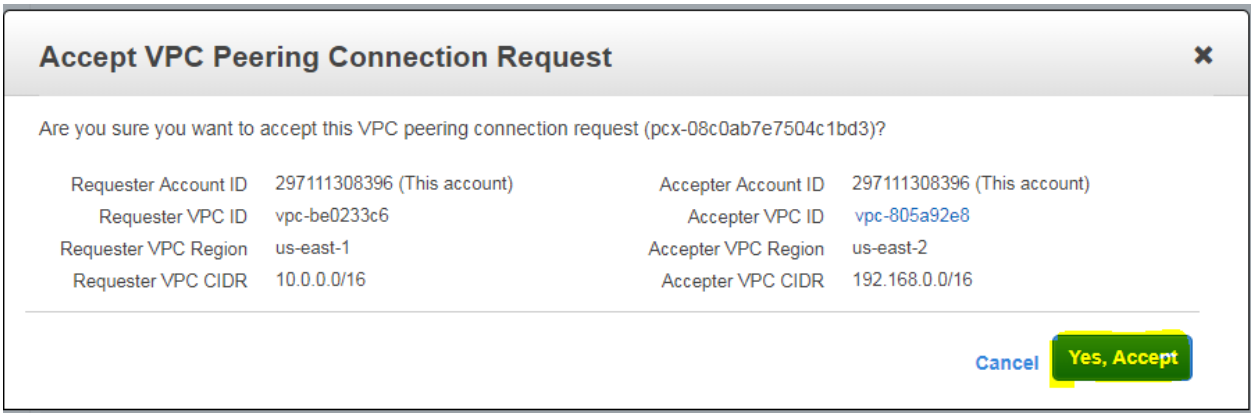
VPC Peering Created successfully.



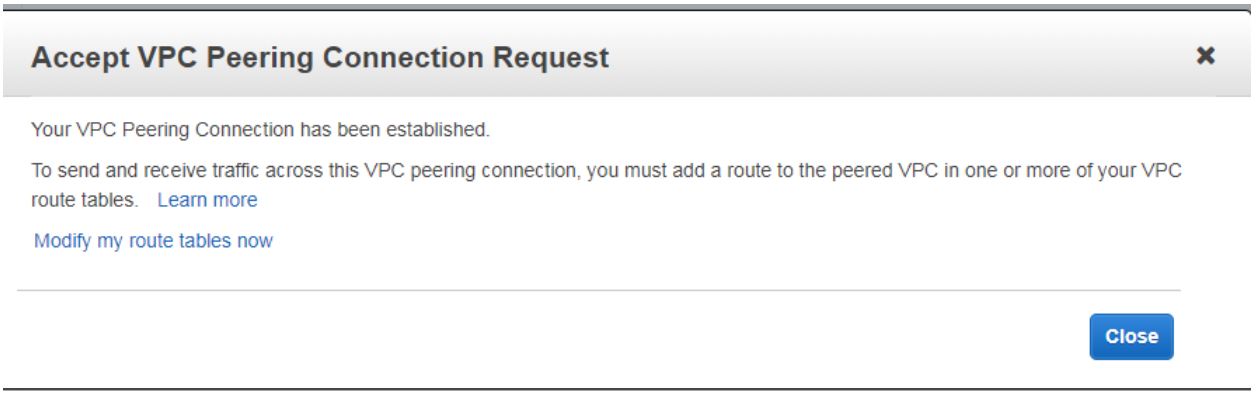
Go to Ohio region, Peering connections



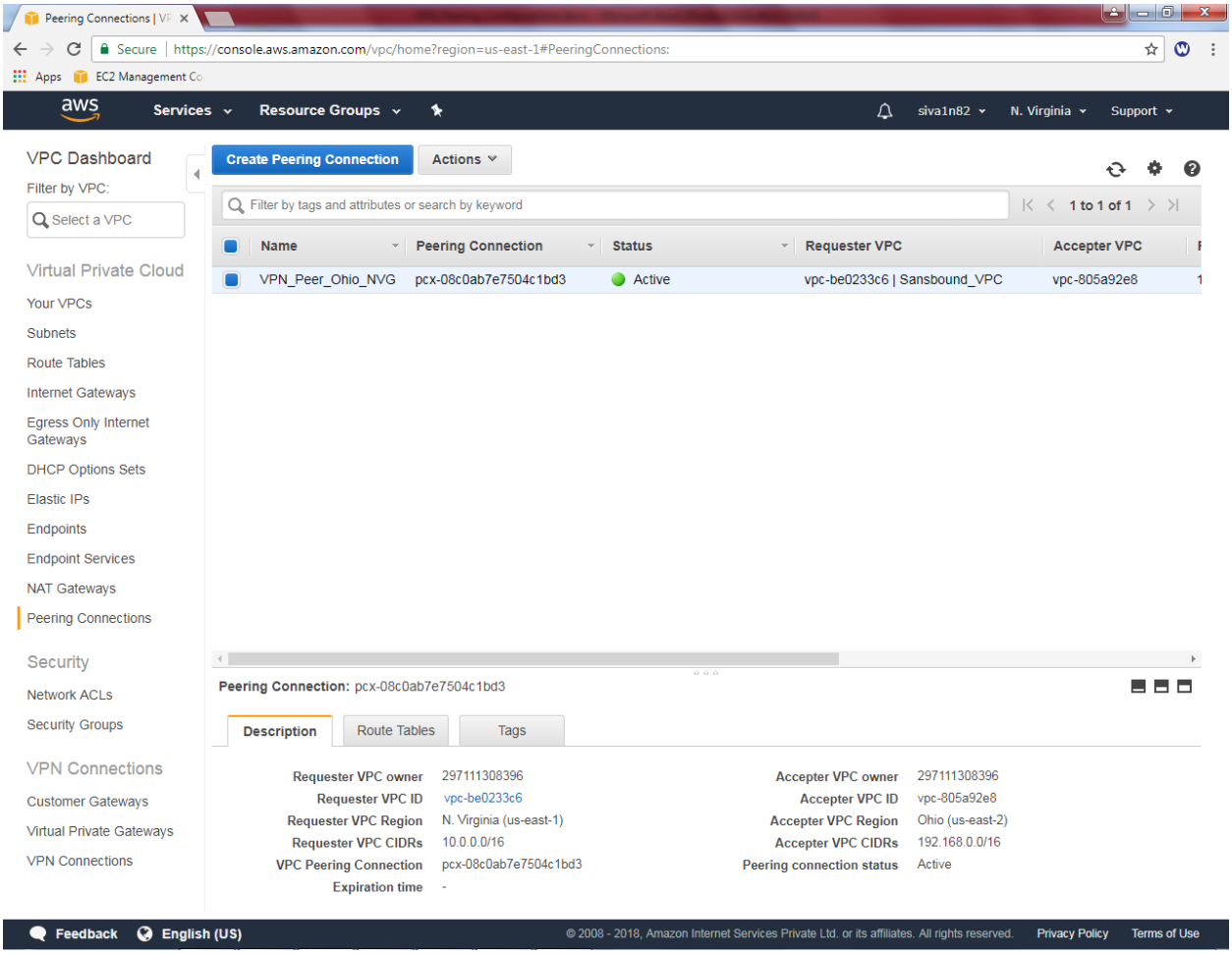
Click “Accept Request”.



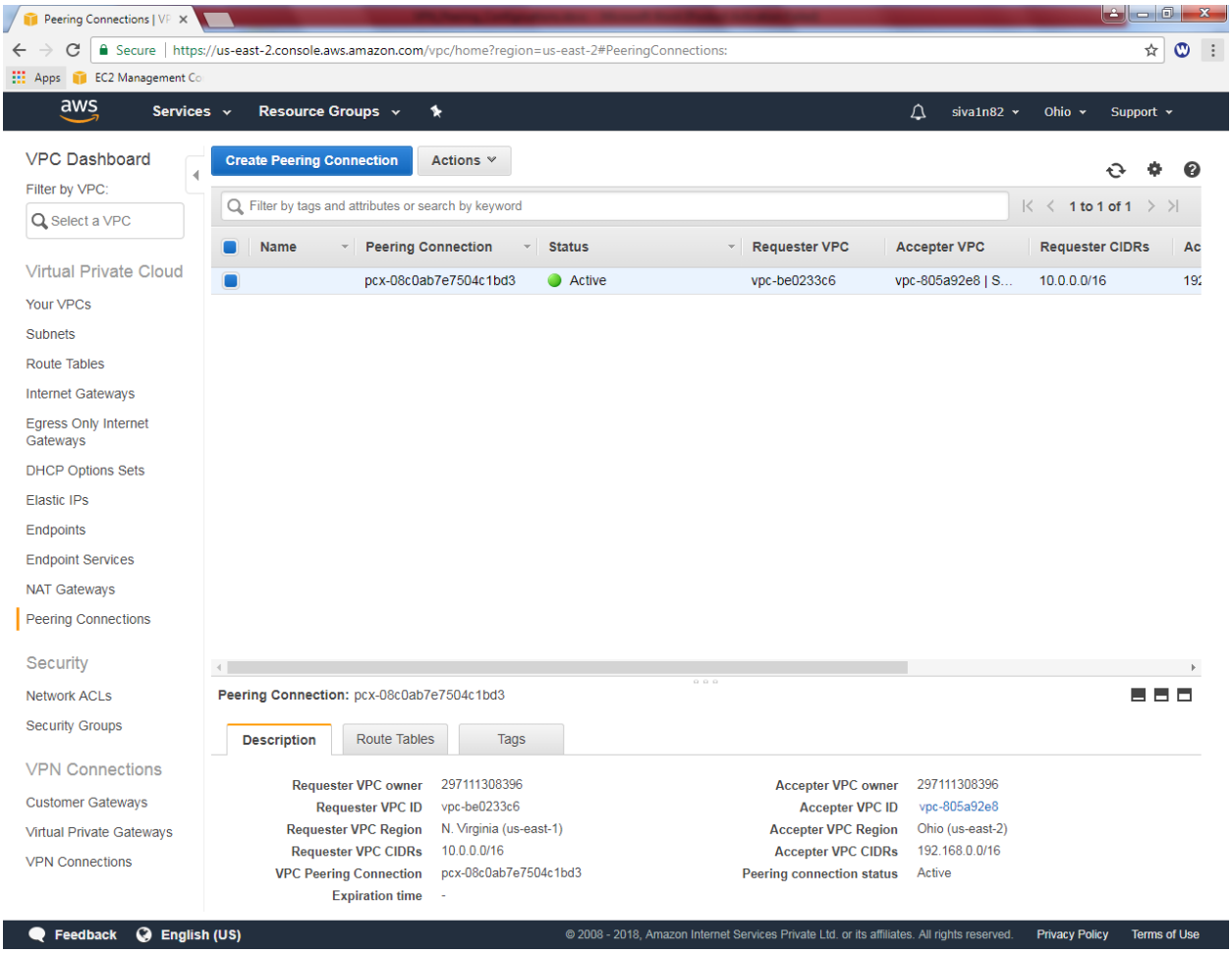
Click “Yes Acccept”.



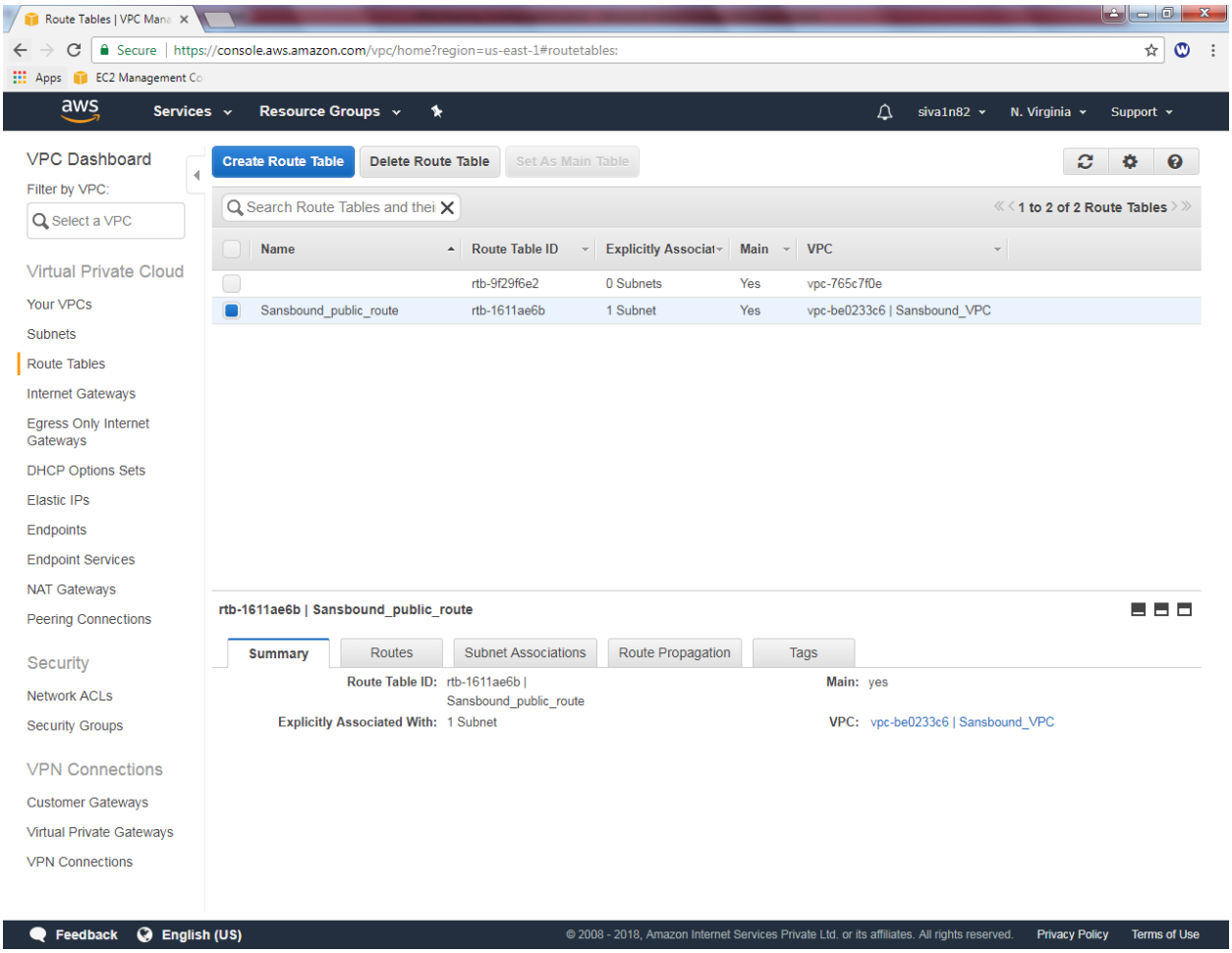
VPC Status of N.Virginia is active.



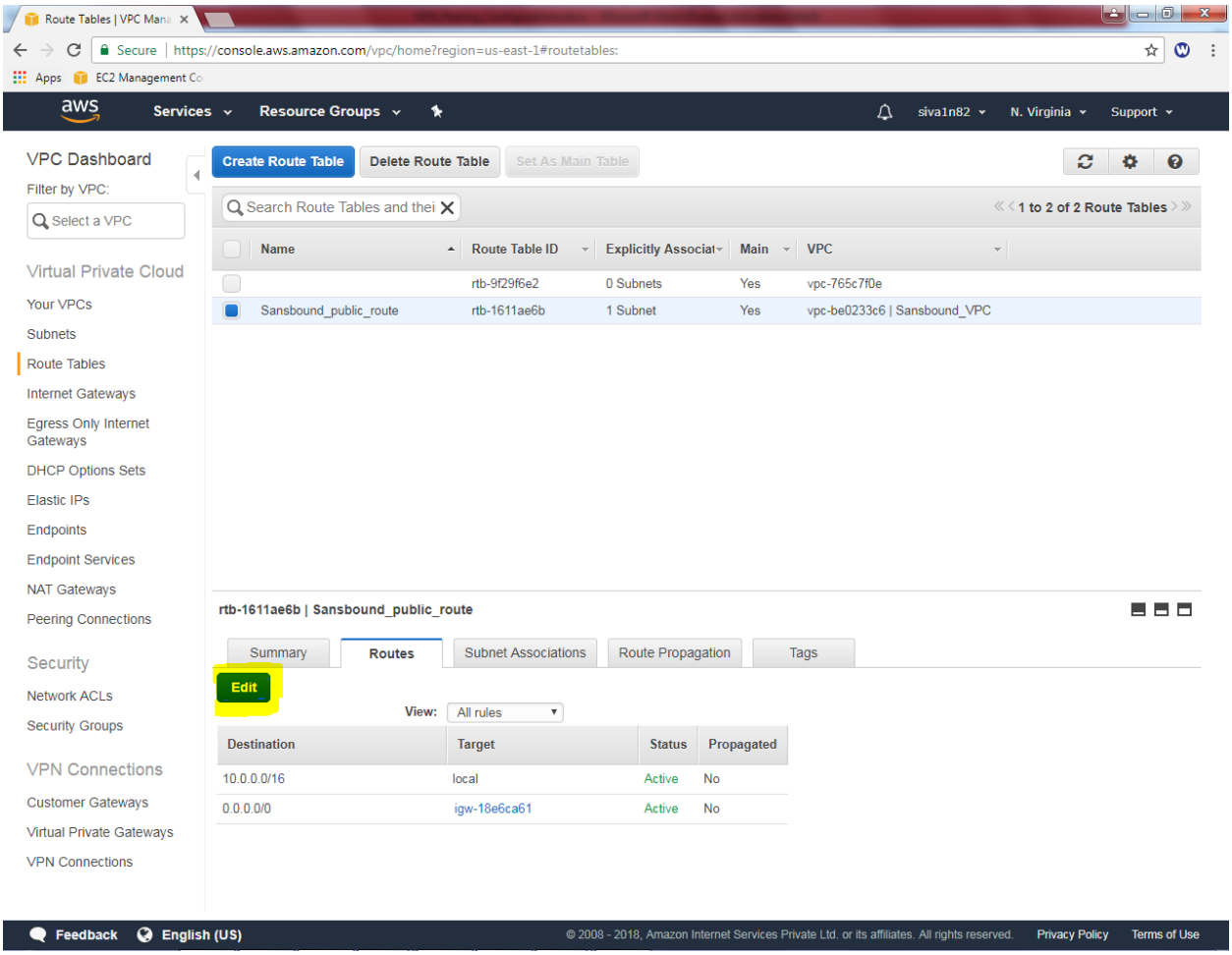
VPC Status of Ohiio is active.



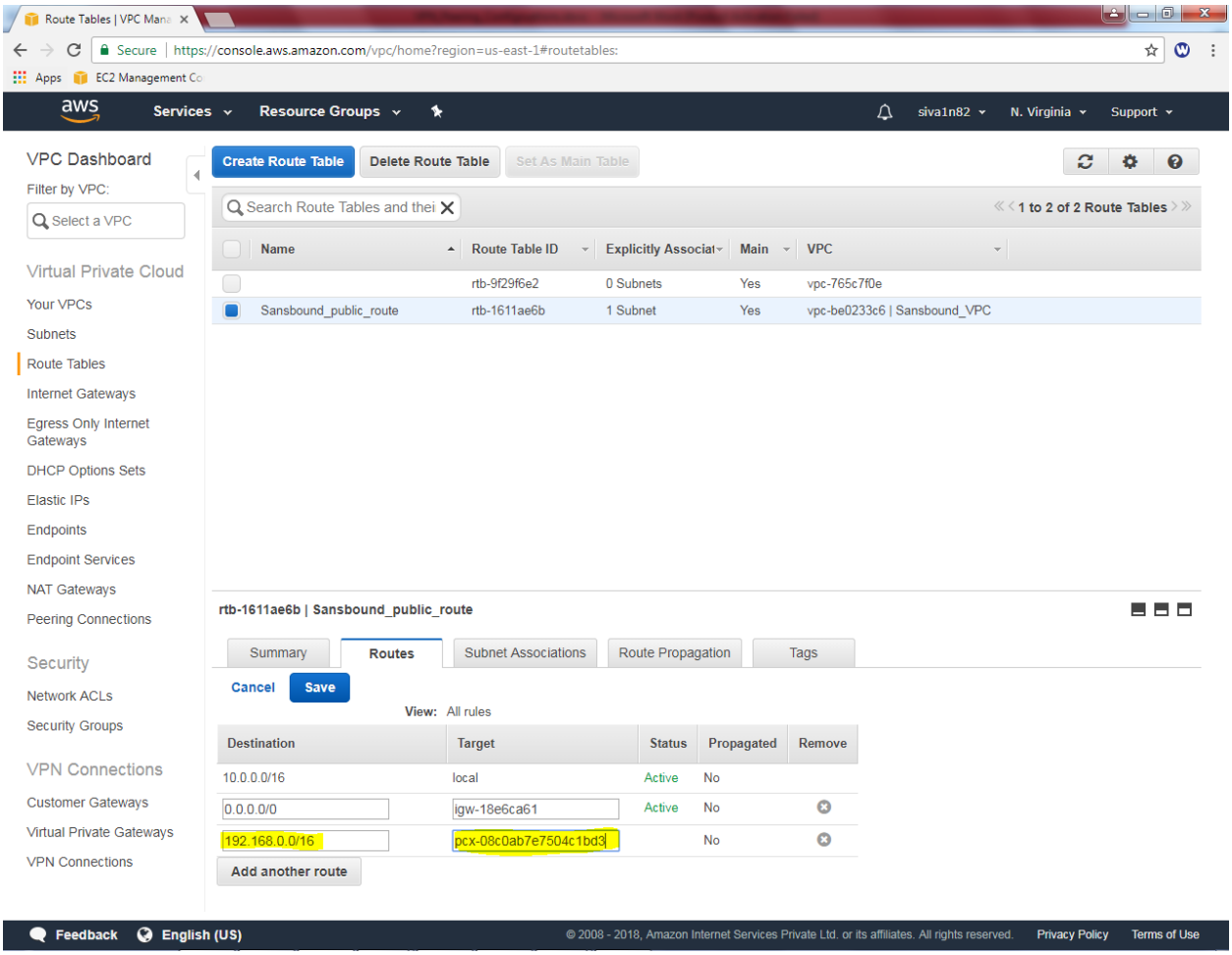
If you try to connect the LAN Segment through RDP will not connect. Because we need to add route table for Ohio subnet in N.Virginia public route table.



In Sansbound public route, select route and click “Edit”.



Click “Add another route” and type 192.168.0.0/16 ohio subnet and select **“pcx-*” as target.**

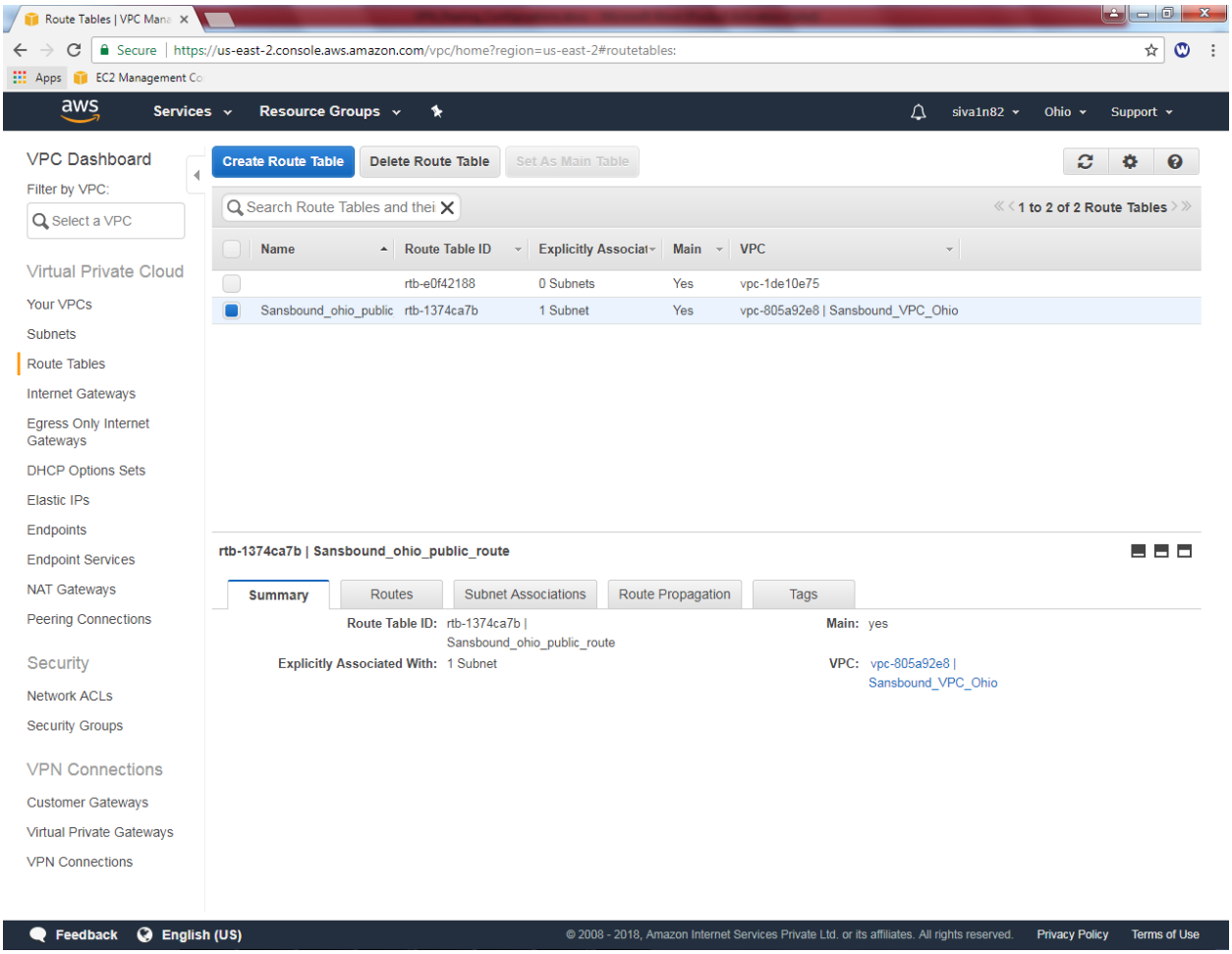


Then click save.

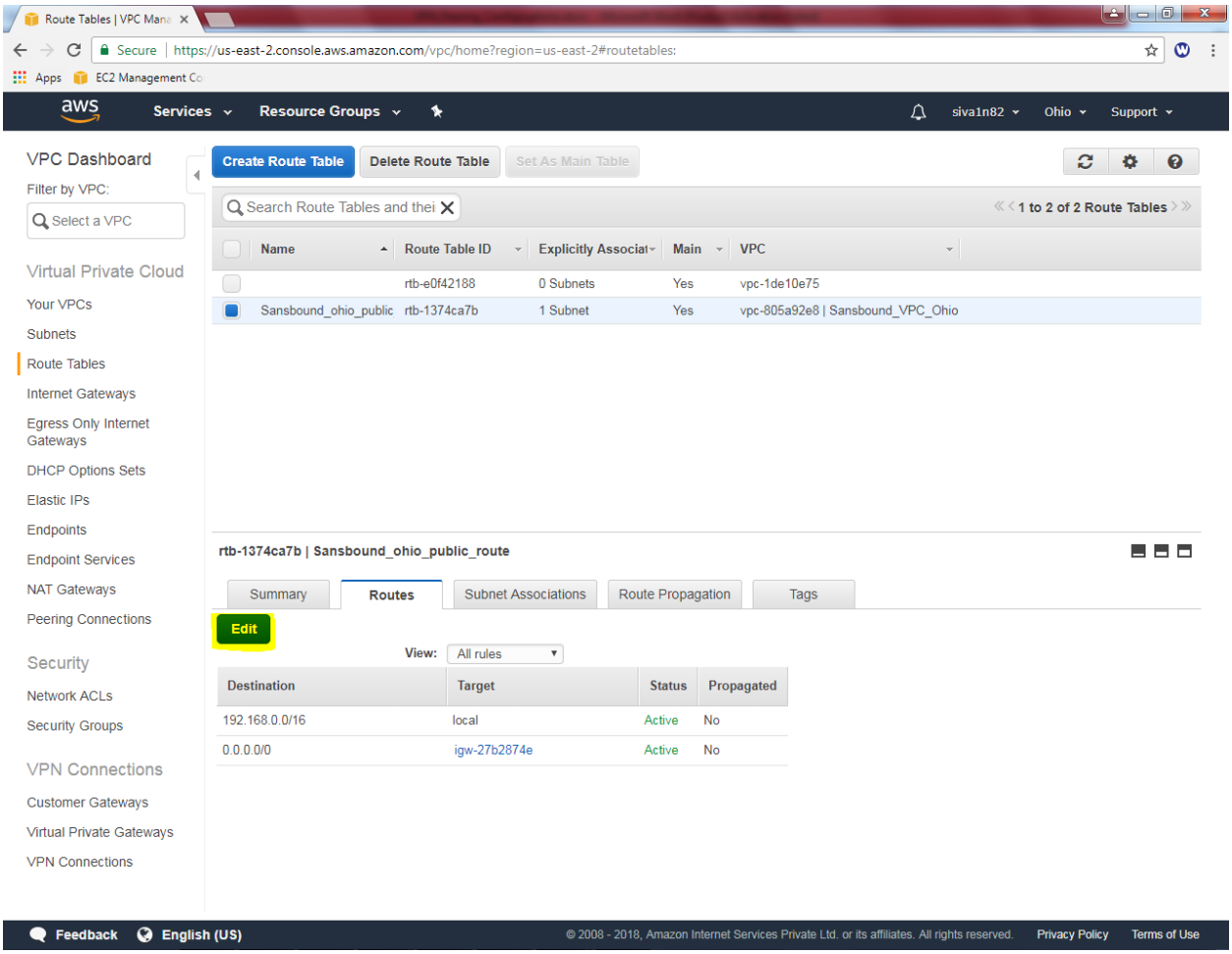
Goto ohio region,

Goto VPC Dashboard,

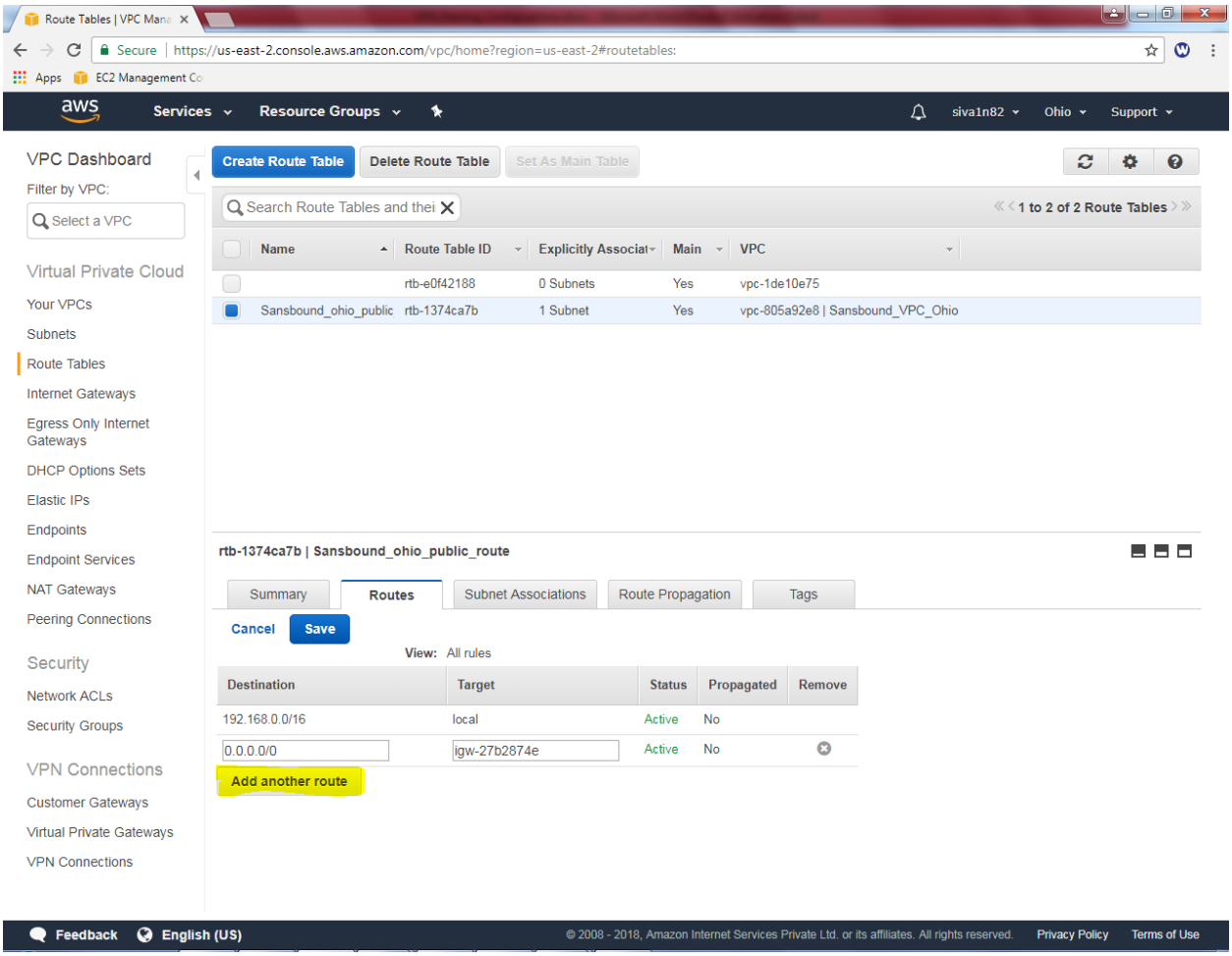
Click route table, then select “Sansbound_Ohio_public”



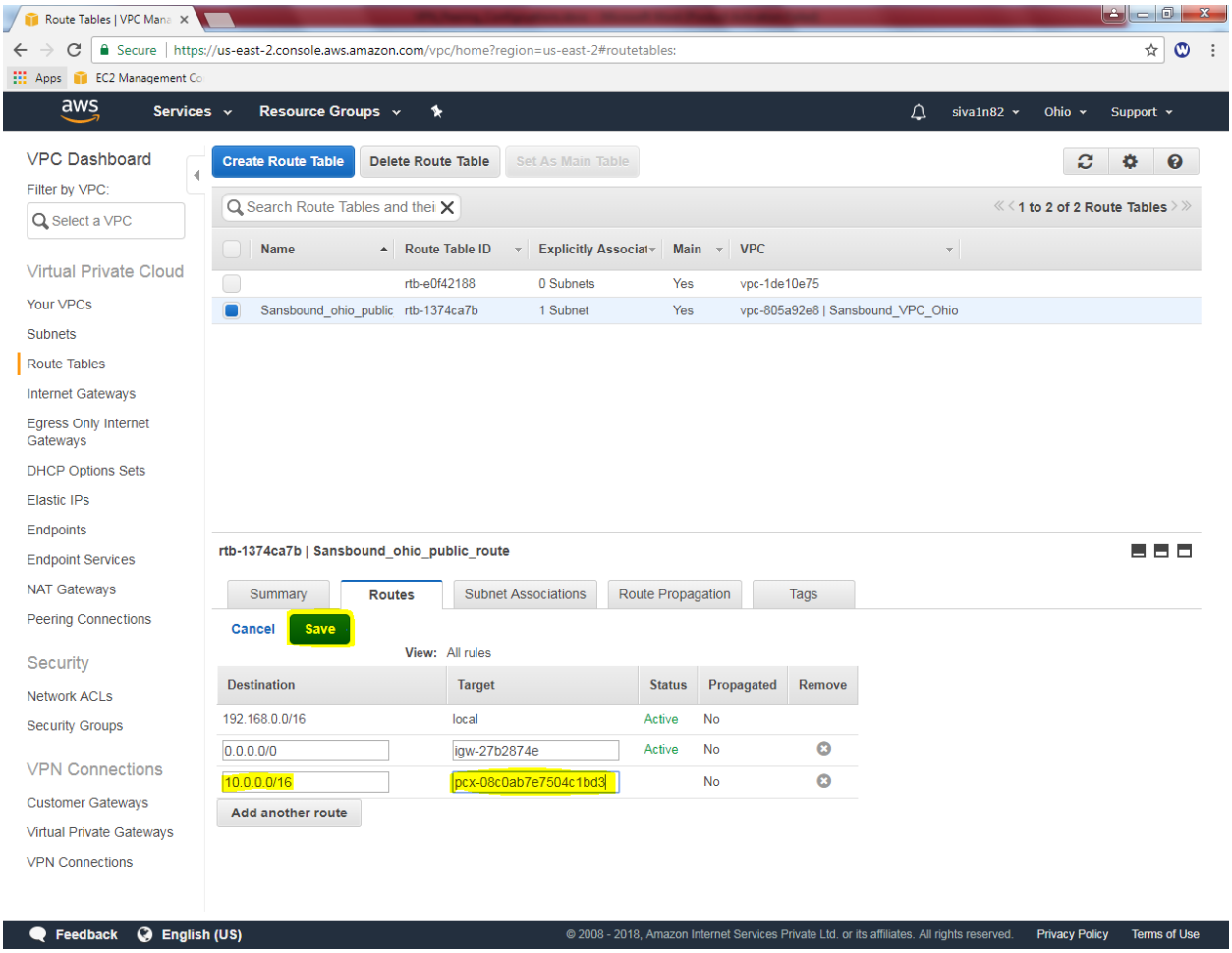
In Sansbound_ohio_public routing table, route option and then click “Edit”



Click “Add another route”

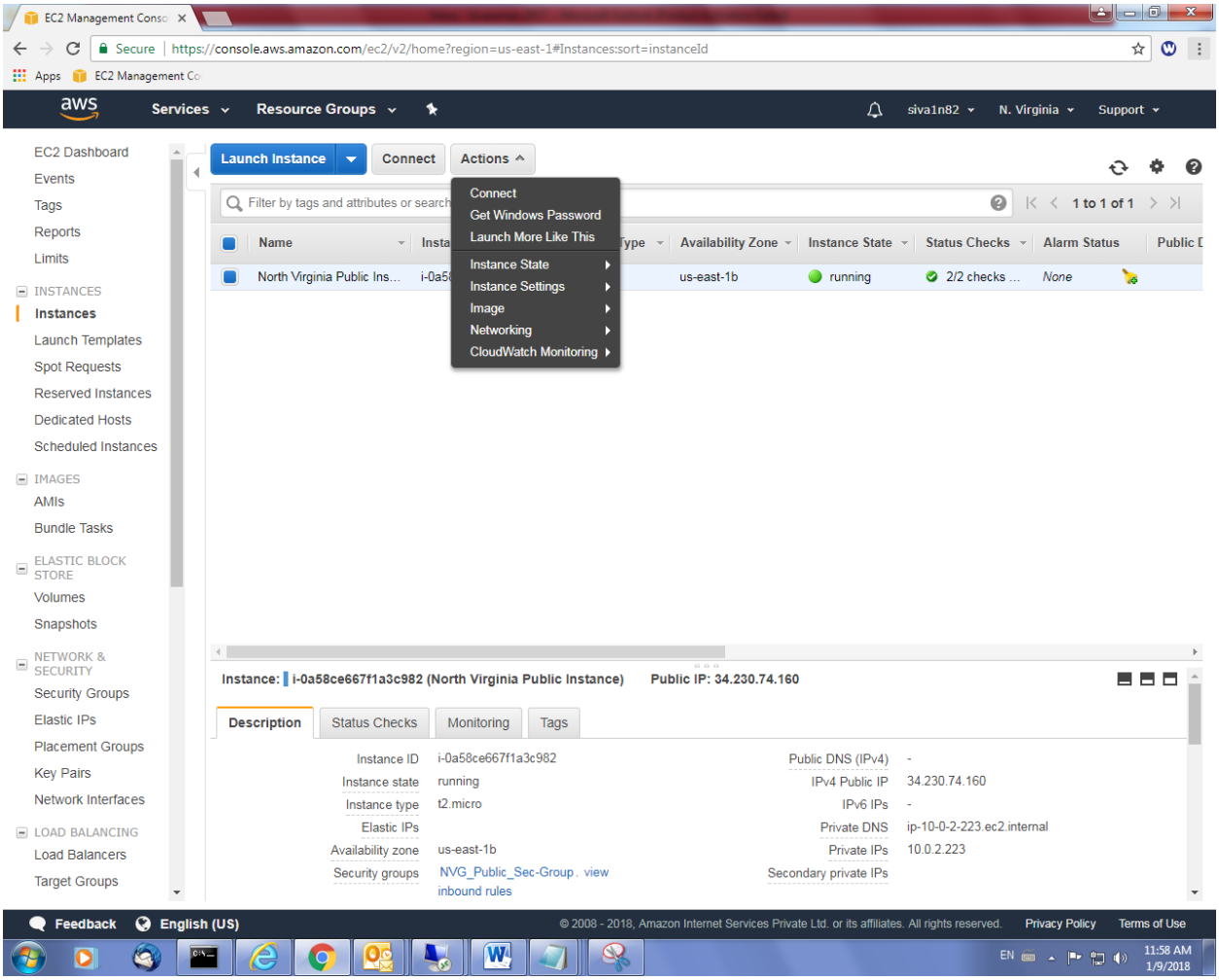


In Sansbound_Ohio_public_route table type N.Virginia subnet 10.0.0.0/16 and select target as **“pcx-*”**

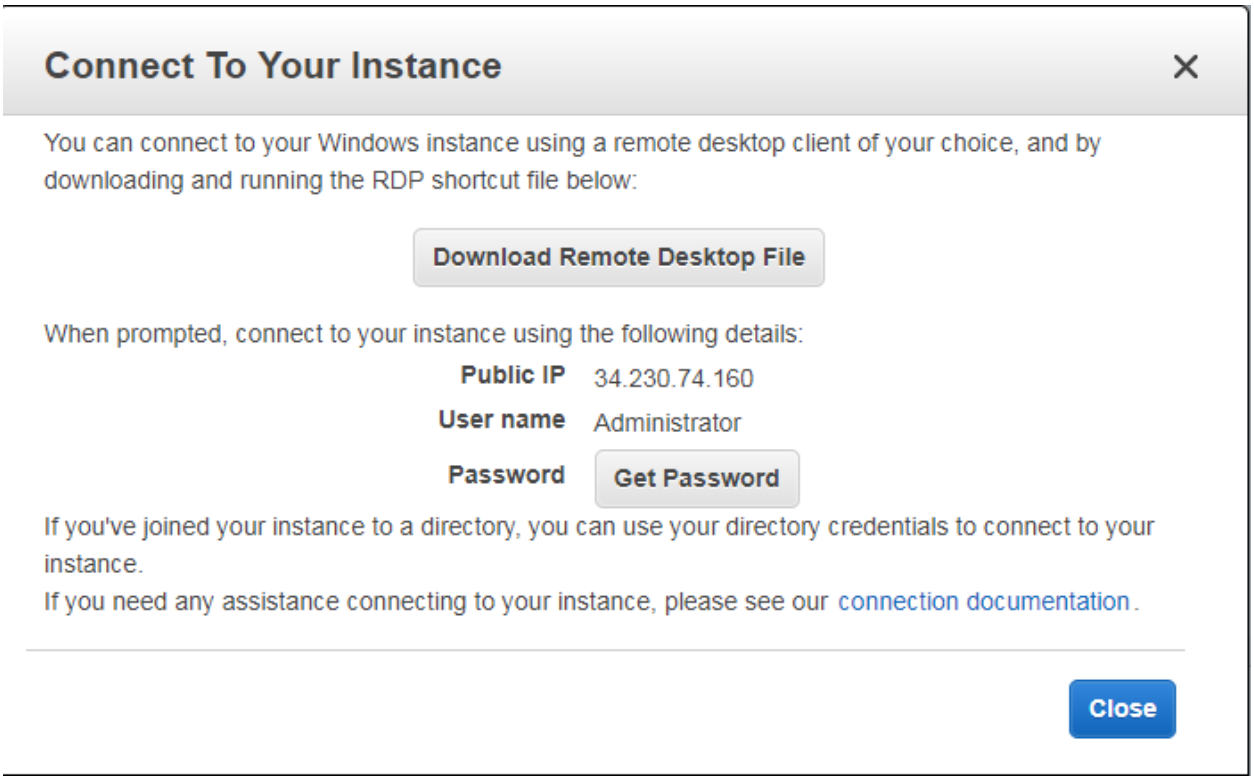


Goto North virgnia, click EC2 service to get login credentials.

Actions → Connect

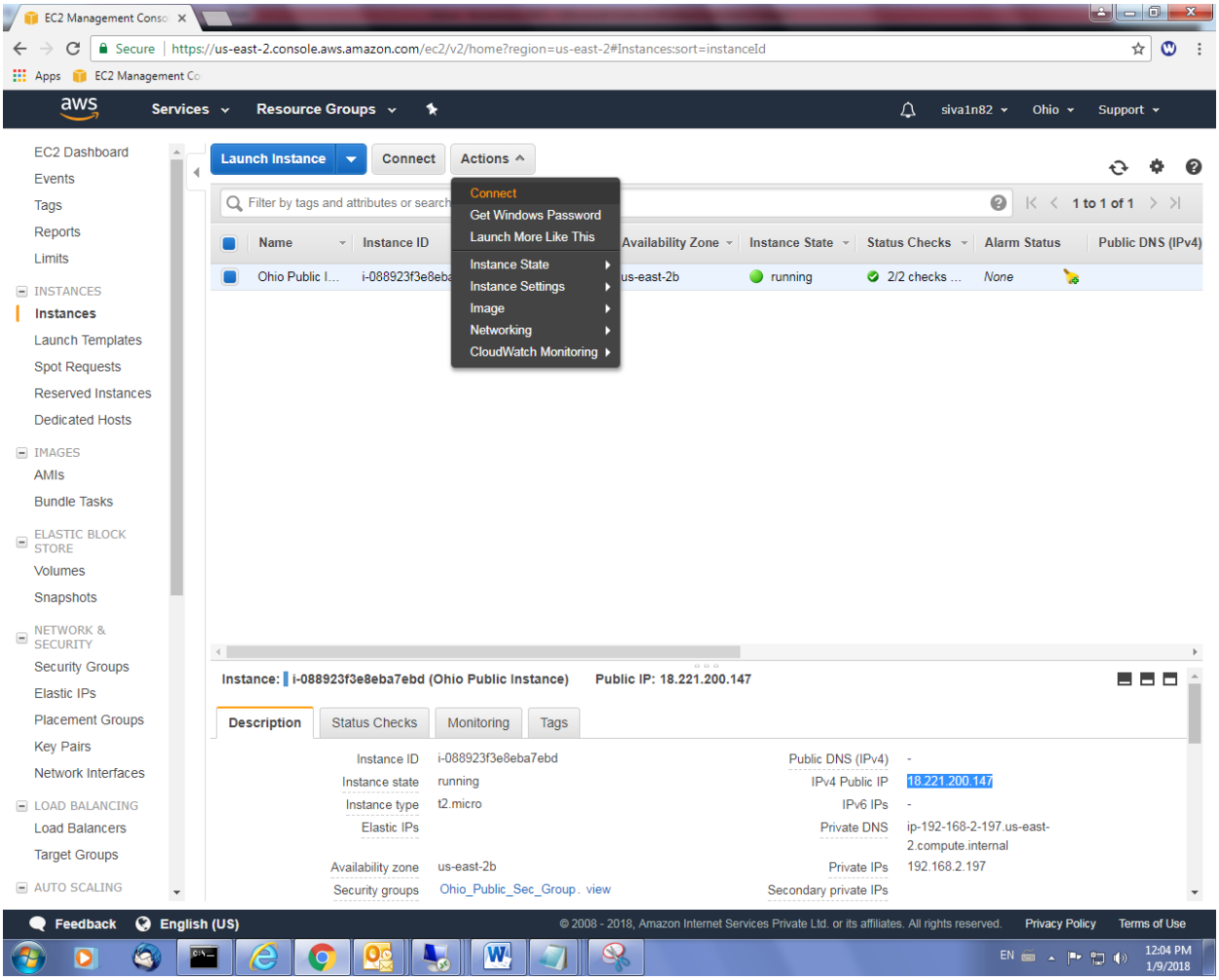


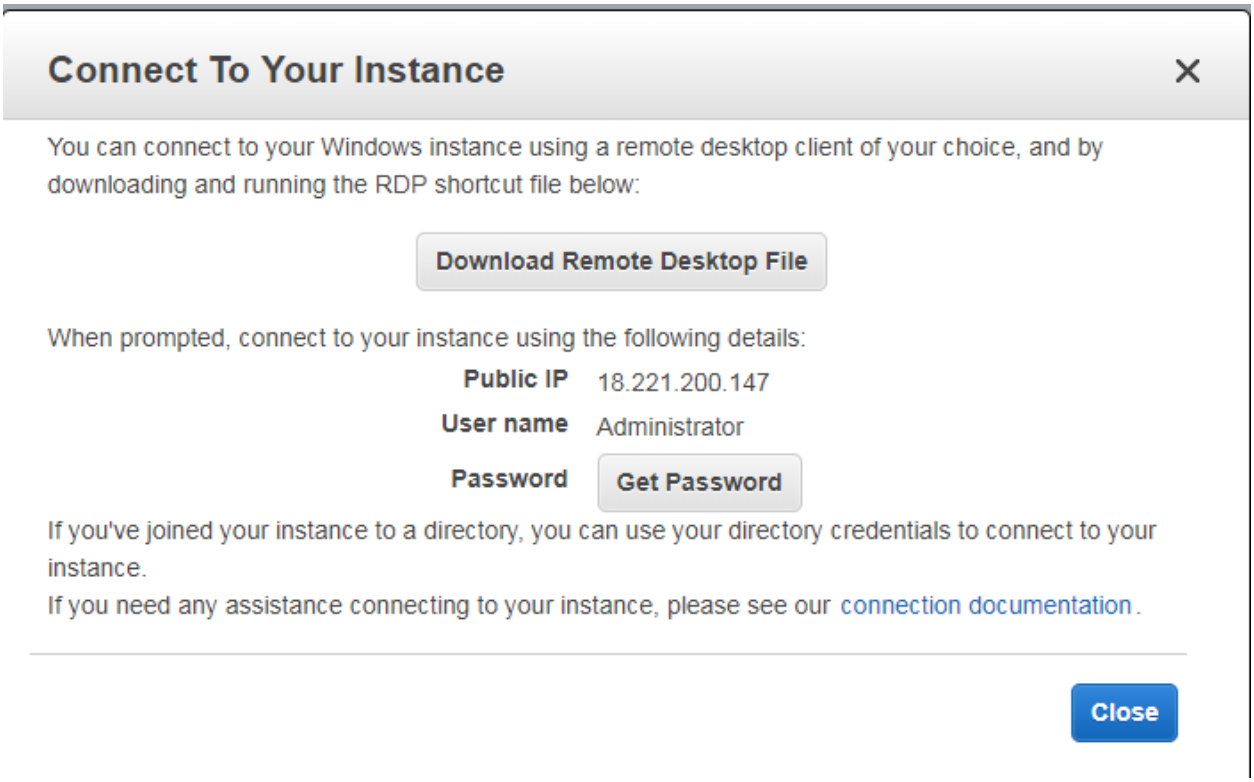
Click get password.



Choose the *.pem file and decrypt the password.

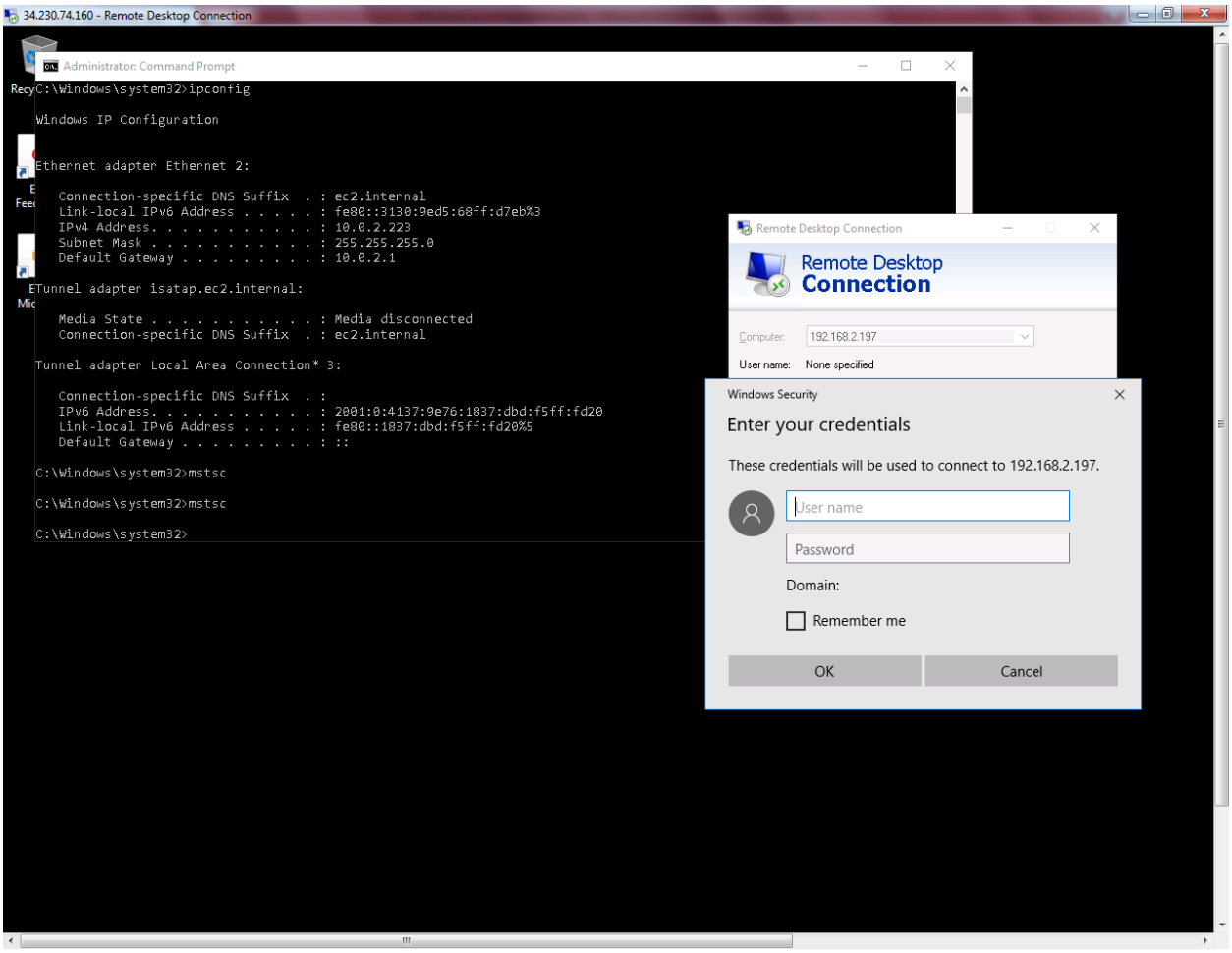
Goto ohio region, select the instance and Actions → Connect.


EC2 Management Conso
Secure | https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceId
Apps
EC2 Management Co
aws
Services
Resource Groups
siva1n82
Ohio
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Instance
Connect
Actions
Connect
Get Windows Password
Launch More Like This
Instance State
Instance Settings
Image
Networking
CloudWatch Monitoring
Filter by tags and attributes or search
1 to 1 of 1
Name
Instance ID
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
Ohio Public I...
i-088923f3e8eb
us-east-2b
running
2/2 checks ...
None
Instance: i-088923f3e8eba7ebd (Ohio Public Instance)
Public IP: 18.221.200.147
Description
Status Checks
Monitoring
Tags
Instance ID
i-088923f3e8eba7ebd
Instance state
running
Instance type
t2.micro
Elastic IPs
Availability zone
us-east-2b
Security groups
Ohio_Public_Sec_Group. view
Public DNS (IPv4)
IPv4 Public IP
18.221.200.147
IPv6 IPs
Private DNS
ip-192-168-2-197.us-east-2.compute.internal
Private IPs
192.168.2.197
Secondary private IPs
Feedback
English (US)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
12:04 PM
1/9/2018

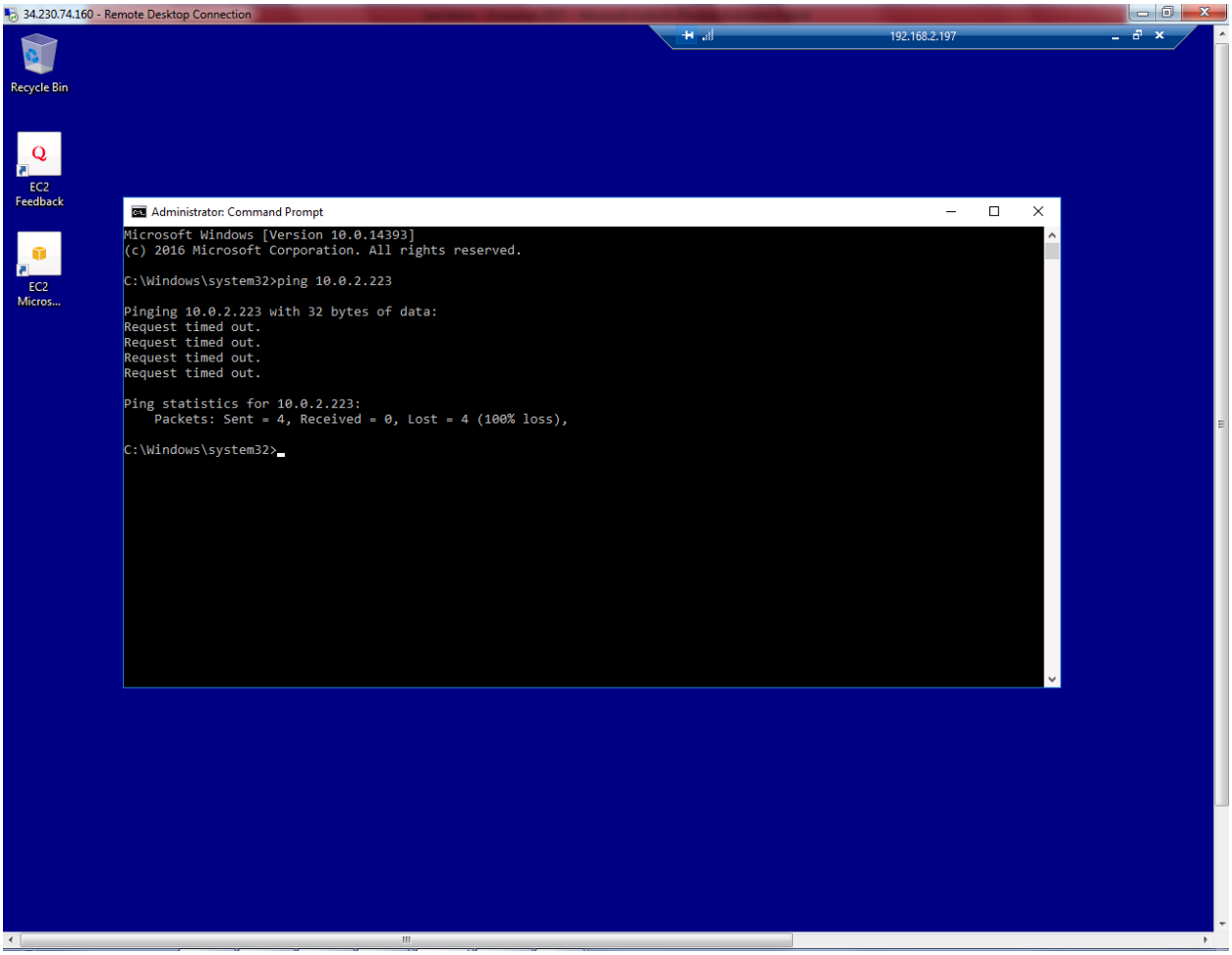


Choose the *.pem file and decrypt the password.

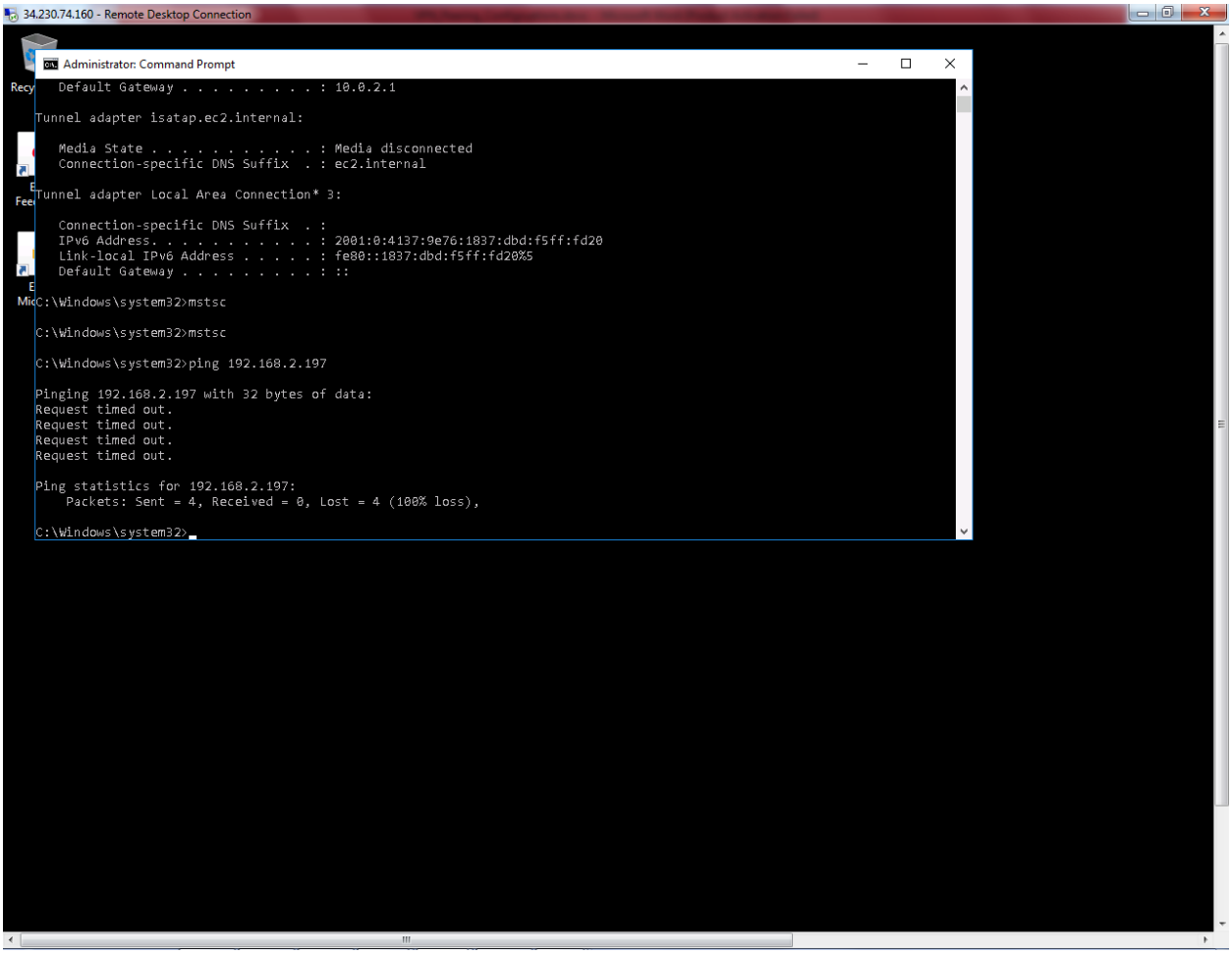
Try to connect RDP of Ohio subnet from N.Virgnia.



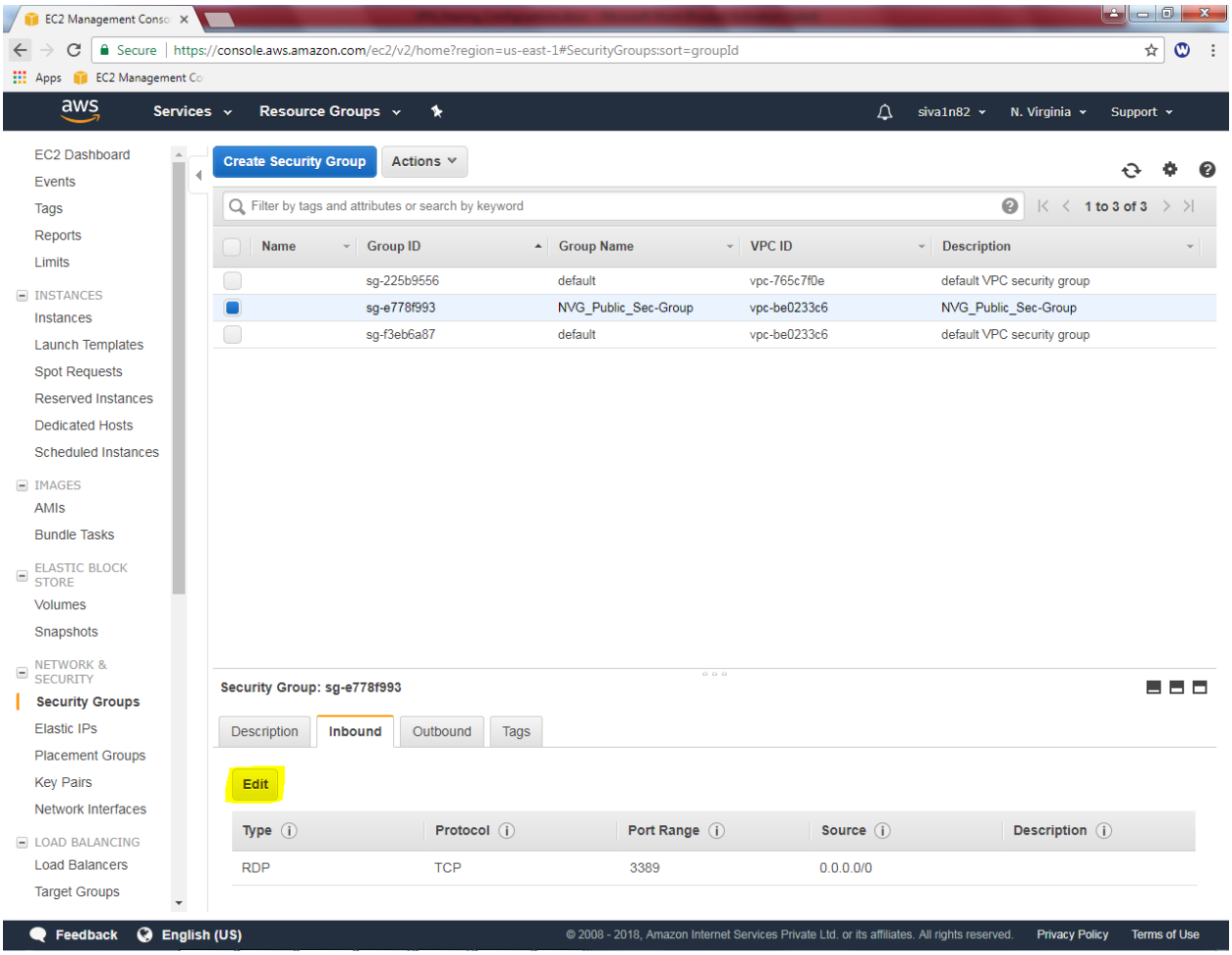
Try to ping 10.0.2.223 (N.Virginia) subnet from Ohio subnet 192.168.2.0/24. But we are unable to ping due ICMP was not permitted in Security Group of North Virginia.



Try to ping 192.168.2.197 subnet from North Virginia subnet 10.0.2.0/24. But we are unable to ping due ICMP was not permitted in Security Group of Ohio.

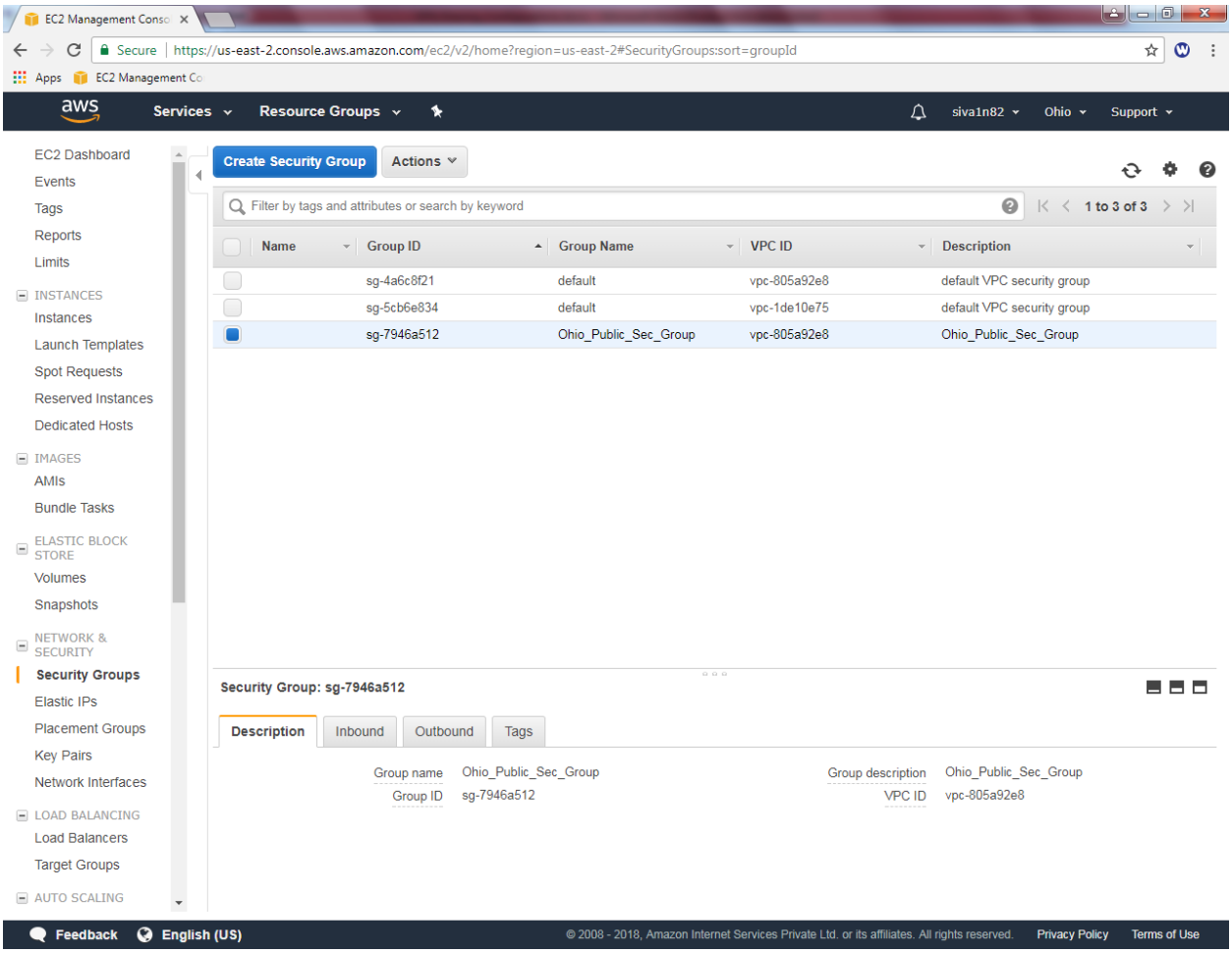


In Security Group, select inbound rule, click “Edit”



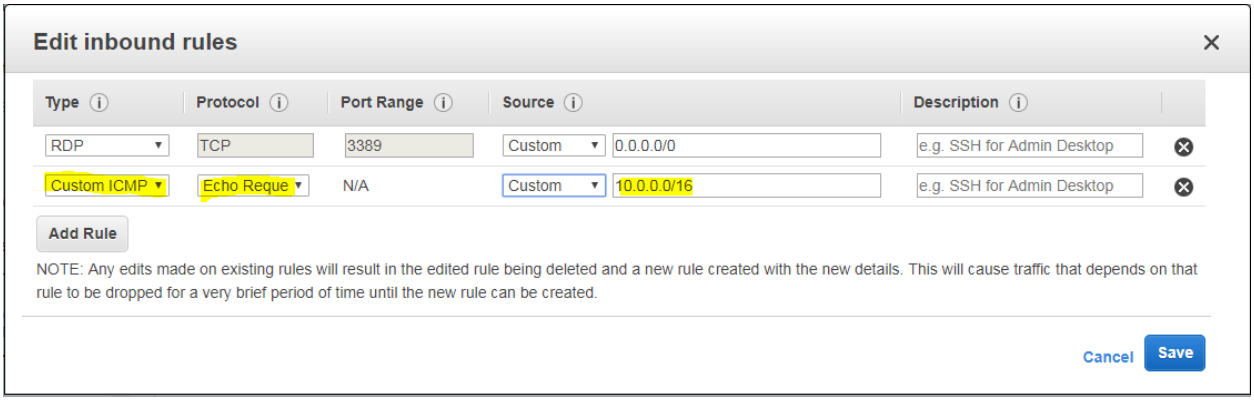
Click “Ädd rule” Select Custom ICMP Echo Request 0.0.0.0/0

In Ohio region, ohio public security group,



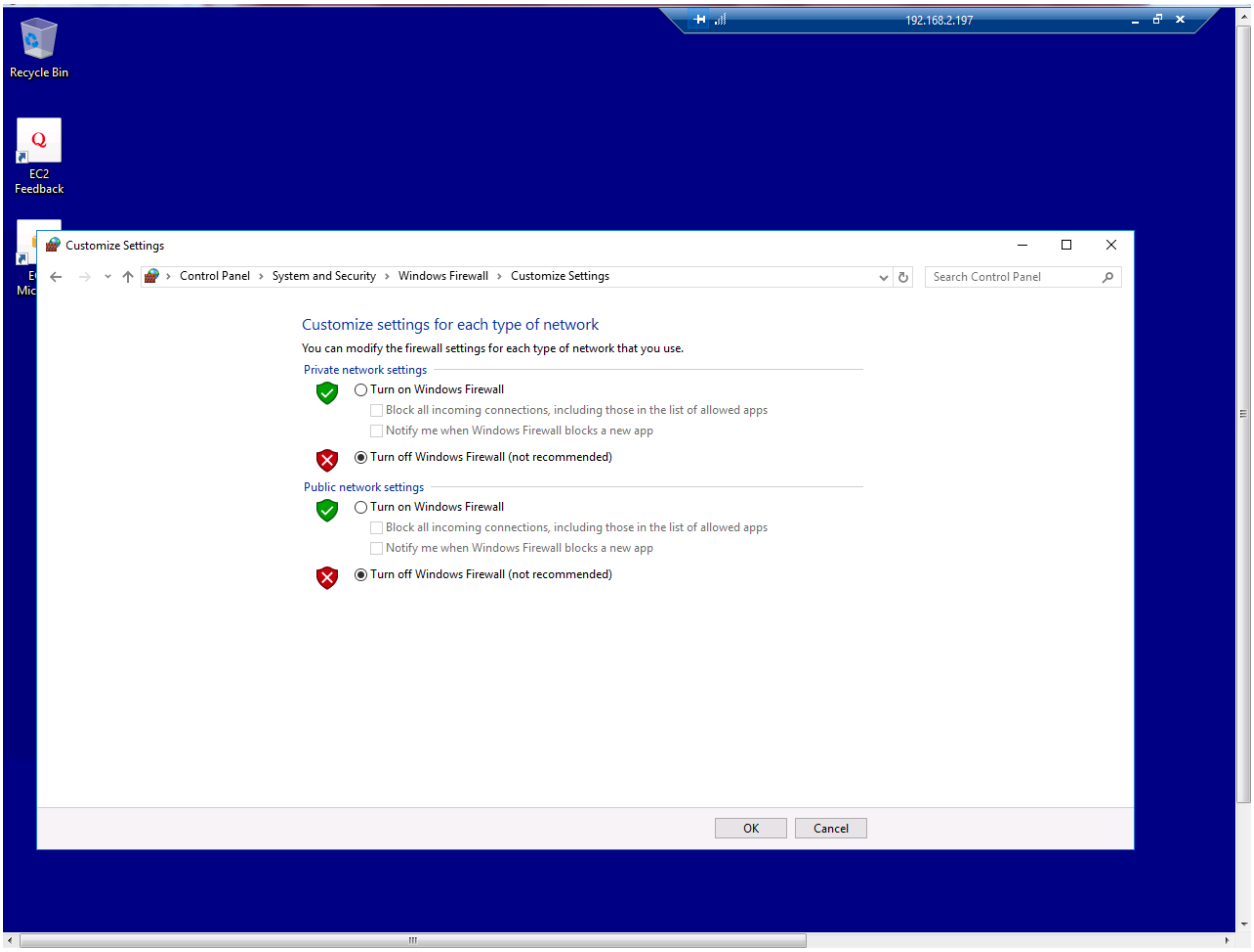
Click “Inbound” rule, then click “Edit”.

Click “Ädd rule” Select Custom ICMP Echo Request 0.0.0.0/0

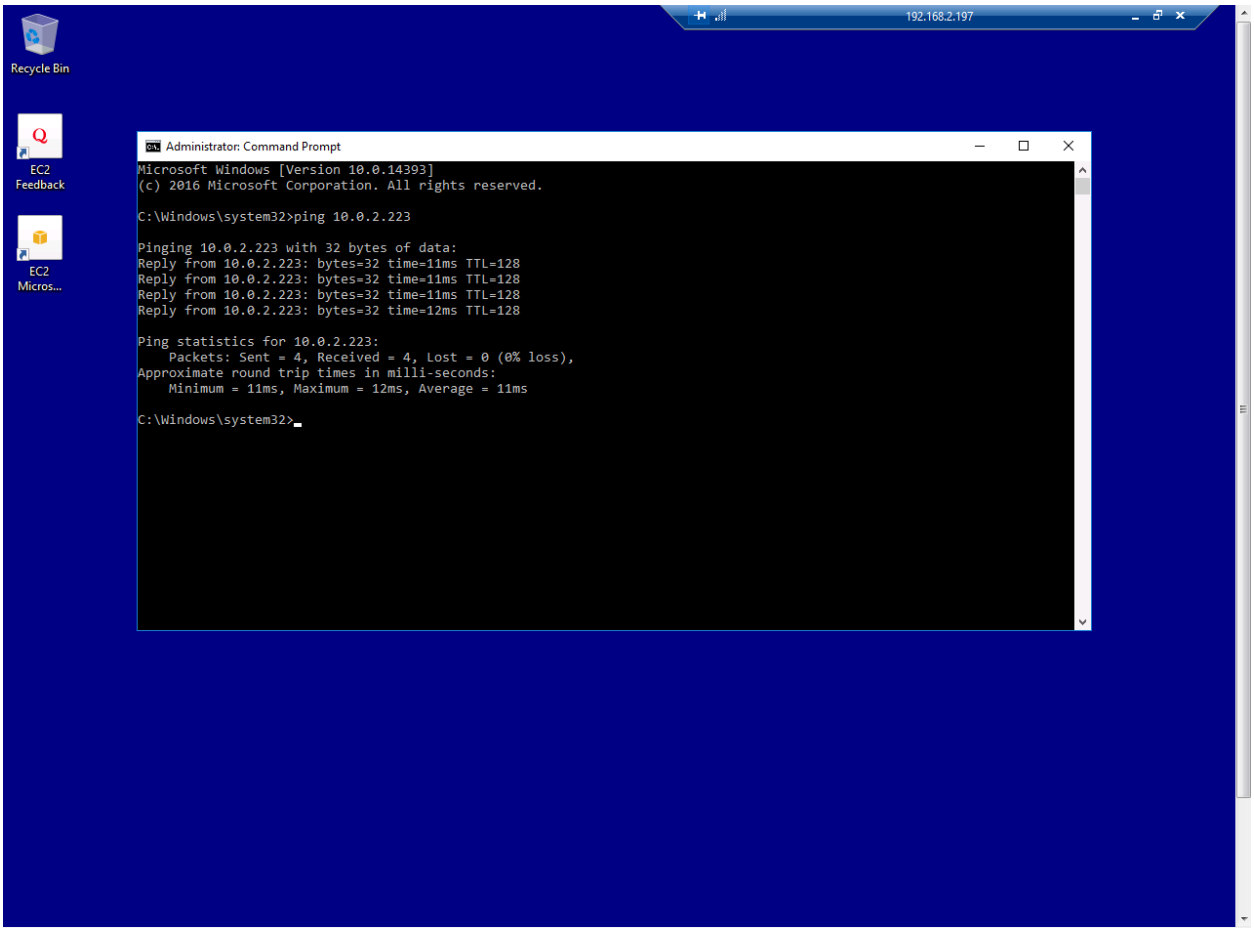


Then try to ping LAN segment IP will not ping due to firewall is turned on in Windows Server 2016. We need to **Turn off on both Servers (North Virginia and Ohio).**

In windows 2016 server, Right click start menu click command prompt and type firewall.cpl to get windows firewall. Click "Turn windows firewall on or off".



Now We are able ping 10.0.2.223 North Virginia host from Ohio subnet 192.168.2.0/24


192.168.2.197
Recycle Bin
EC2 Feedback
EC2 Micros...
Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
C:\Windows\system32>ping 10.0.2.223
Pinging 10.0.2.223 with 32 bytes of data:
Reply from 10.0.2.223: bytes=32 time=11ms TTL=128
Reply from 10.0.2.223: bytes=32 time=11ms TTL=128
Reply from 10.0.2.223: bytes=32 time=11ms TTL=128
Reply from 10.0.2.223: bytes=32 time=12ms TTL=128
Ping statistics for 10.0.2.223:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 11ms, Maximum = 12ms, Average = 11ms
C:\Windows\system32>

Now We are able ping 192.168.2.197 Ohio host from North Virginia subnet 10.0.2.0/24 subnet.