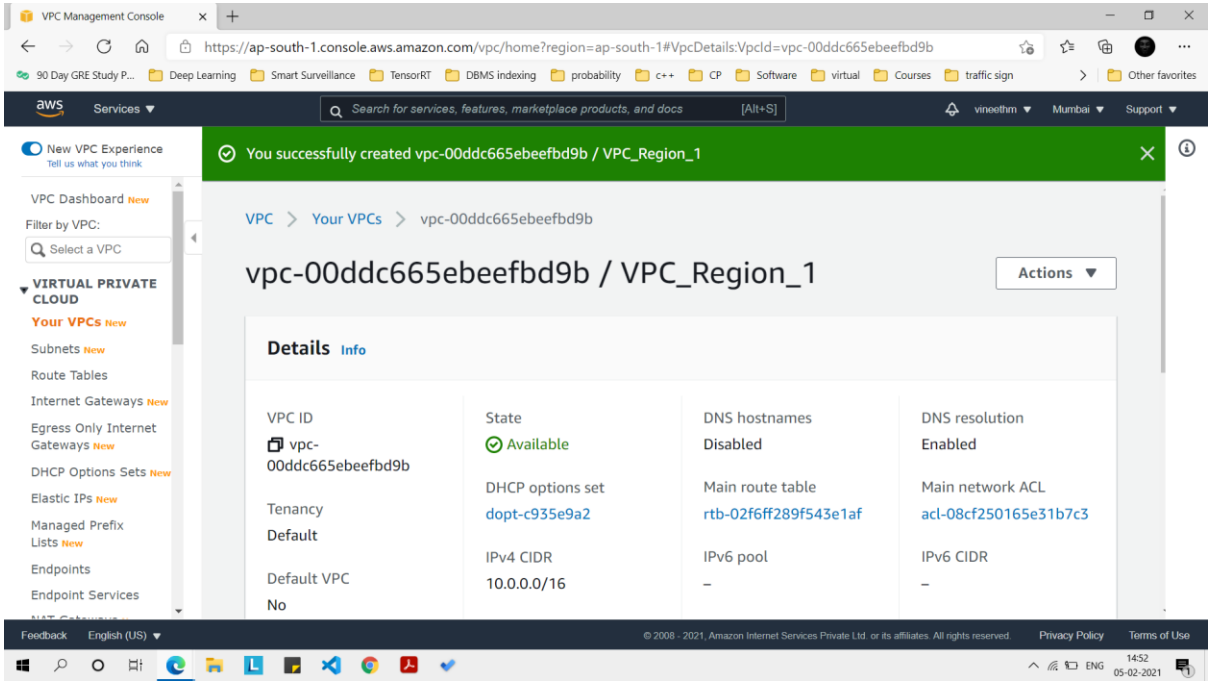
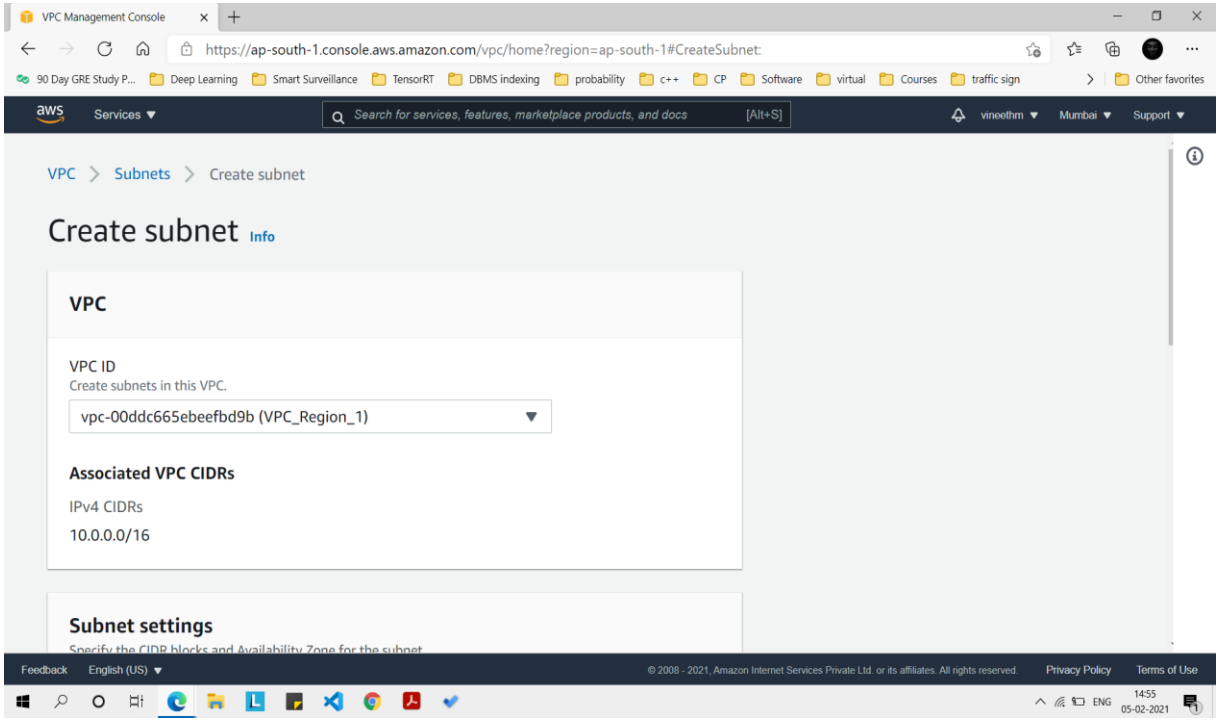
Lab Assignment – 04

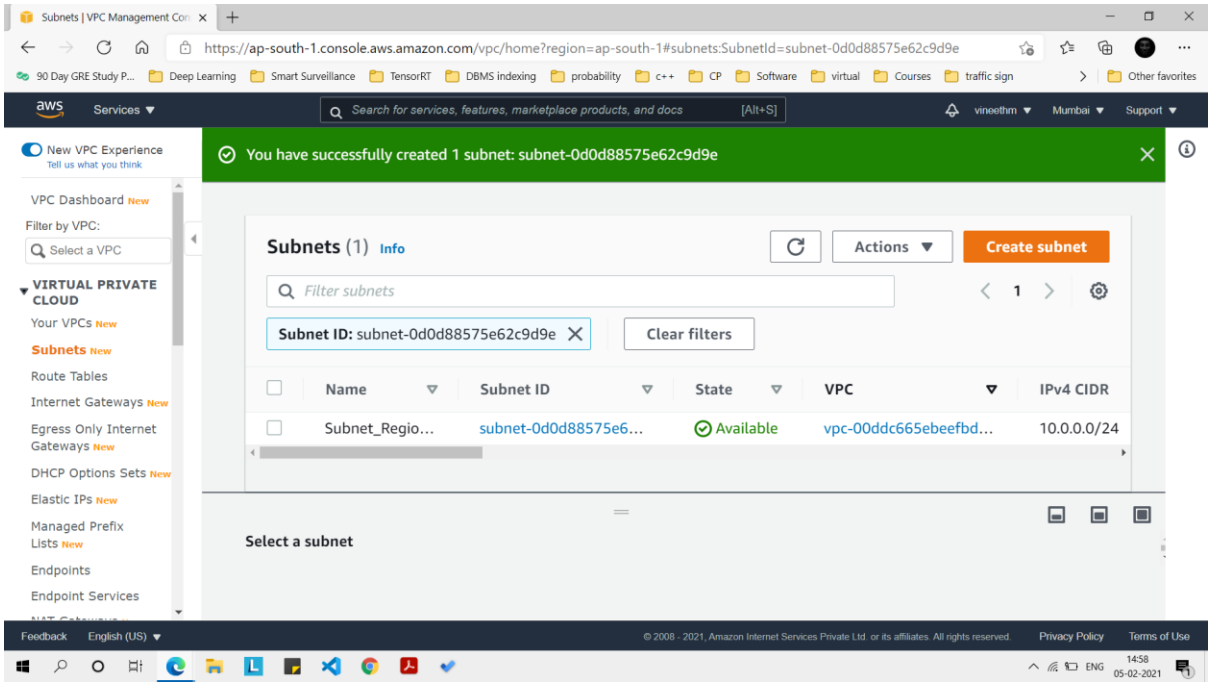
Task: Create 2 VPC in 2 different Availability Zones in different Regions.

Region-1: Mumbai

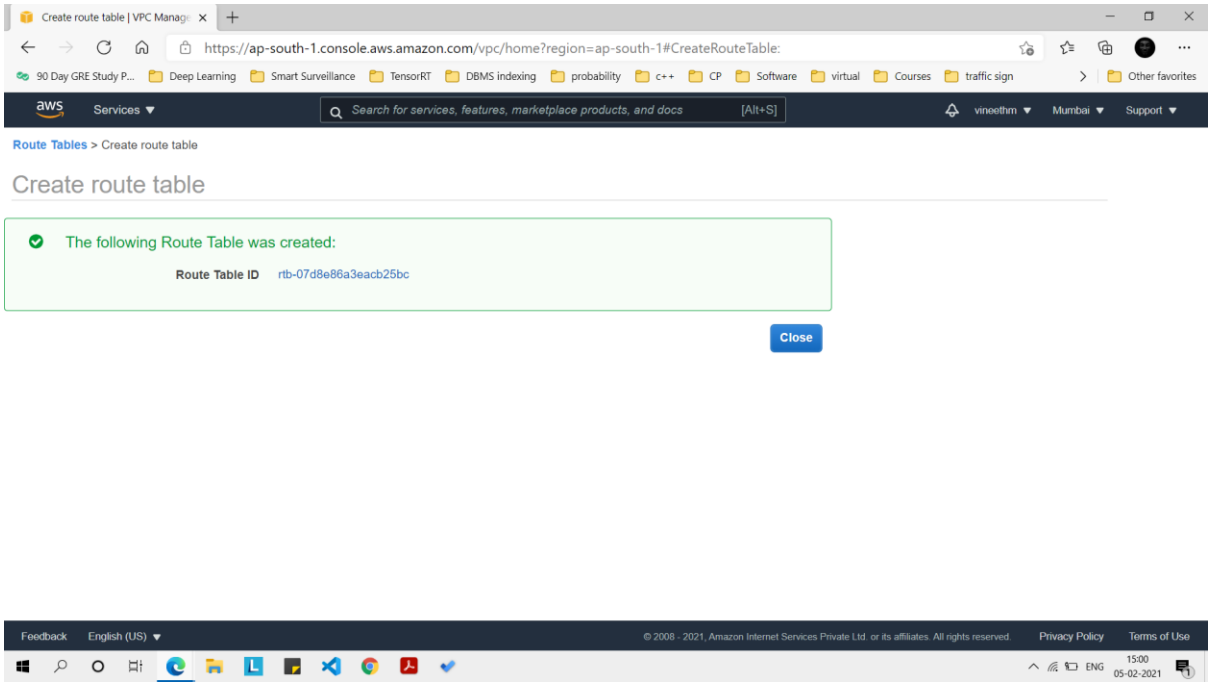


Create subnet

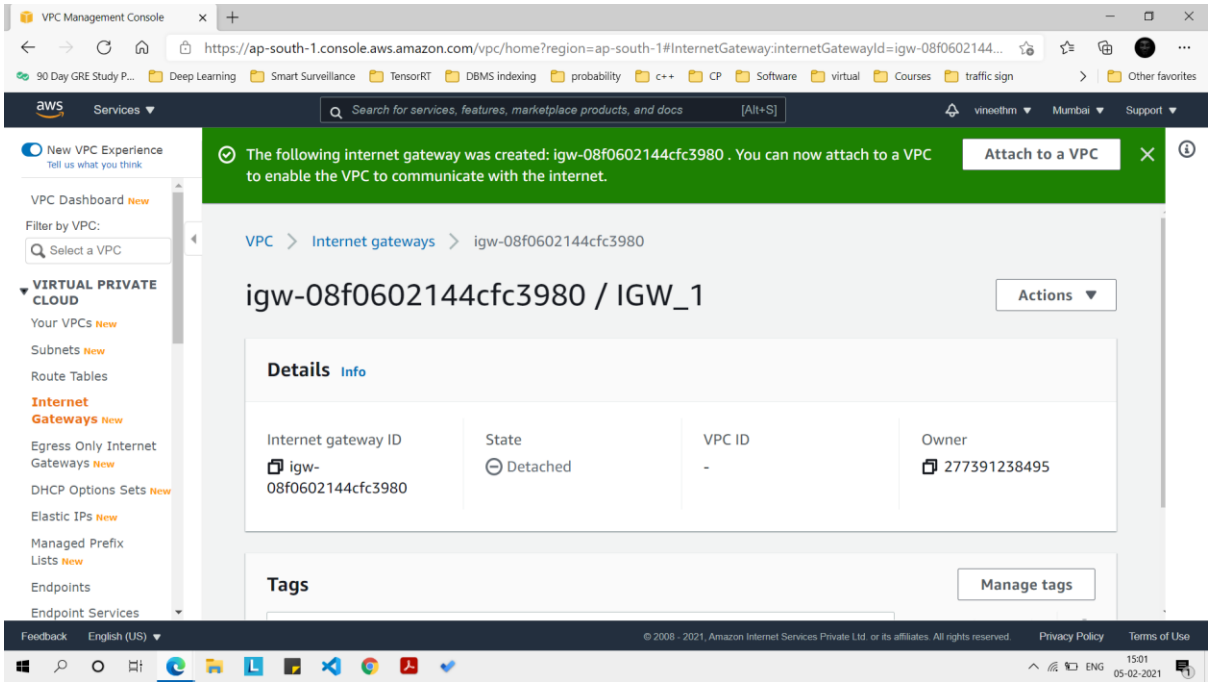




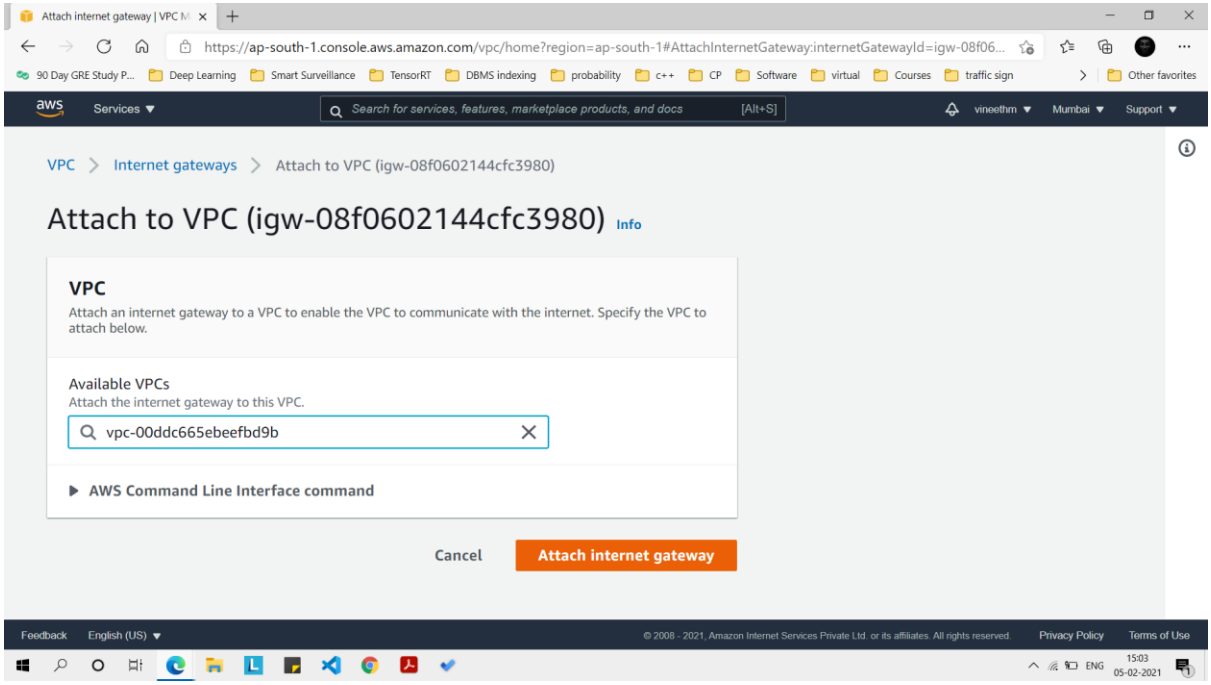
Create a new route table.



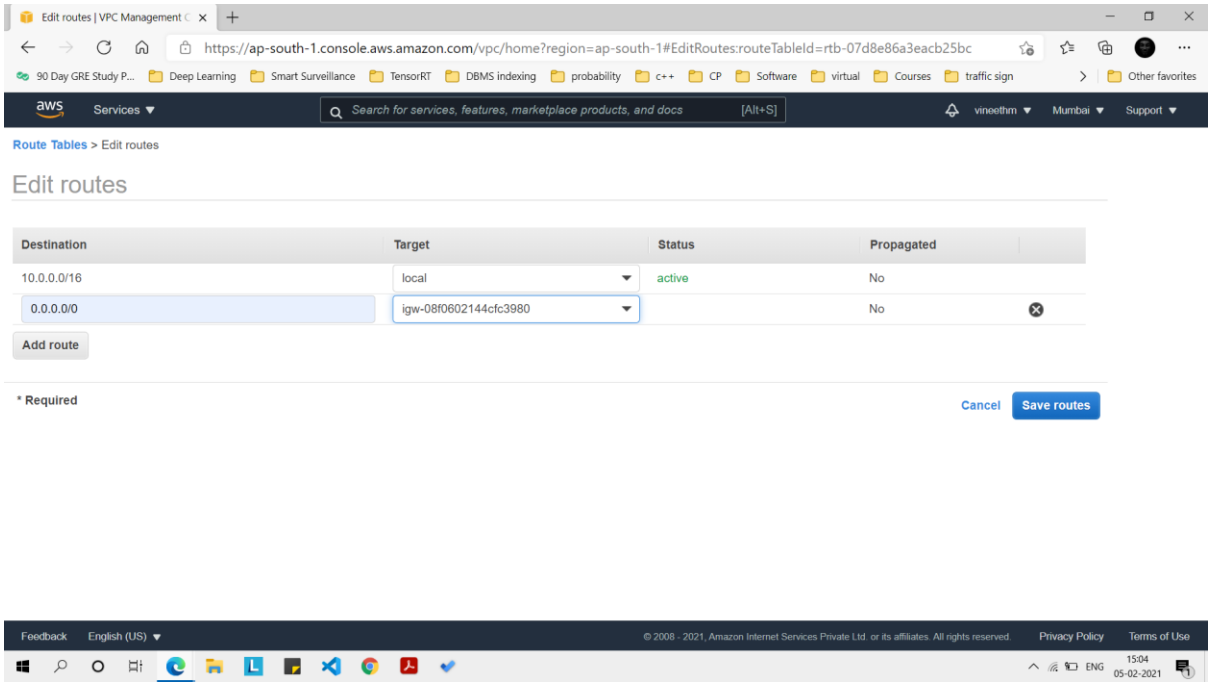
Create Internet Gateway



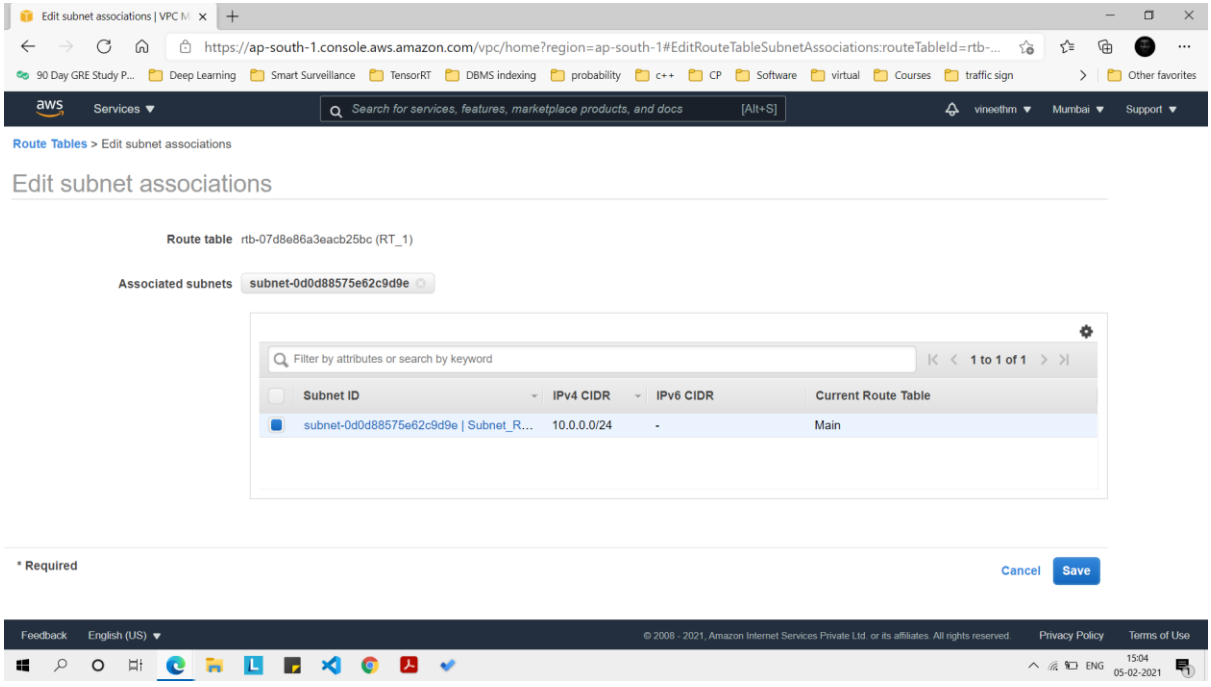
Attach internet gateway



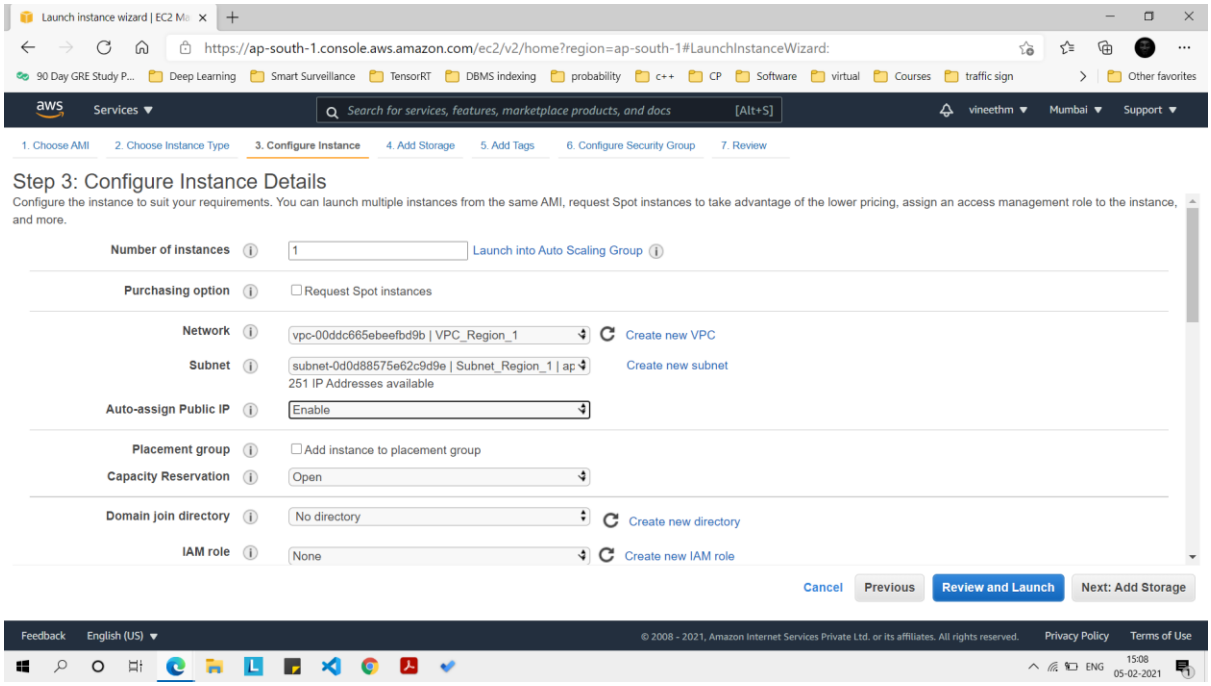
Edit Route table

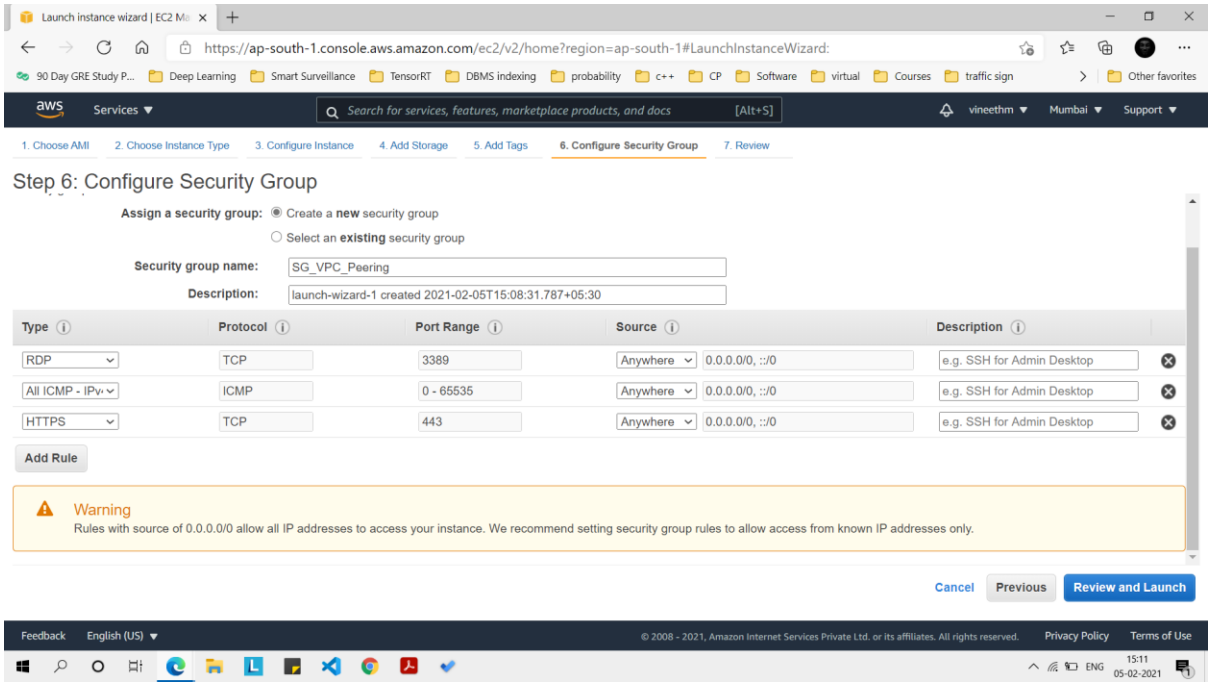


Edit subnet associations



Launch window server in this VPC subnet [Mumbai Region]

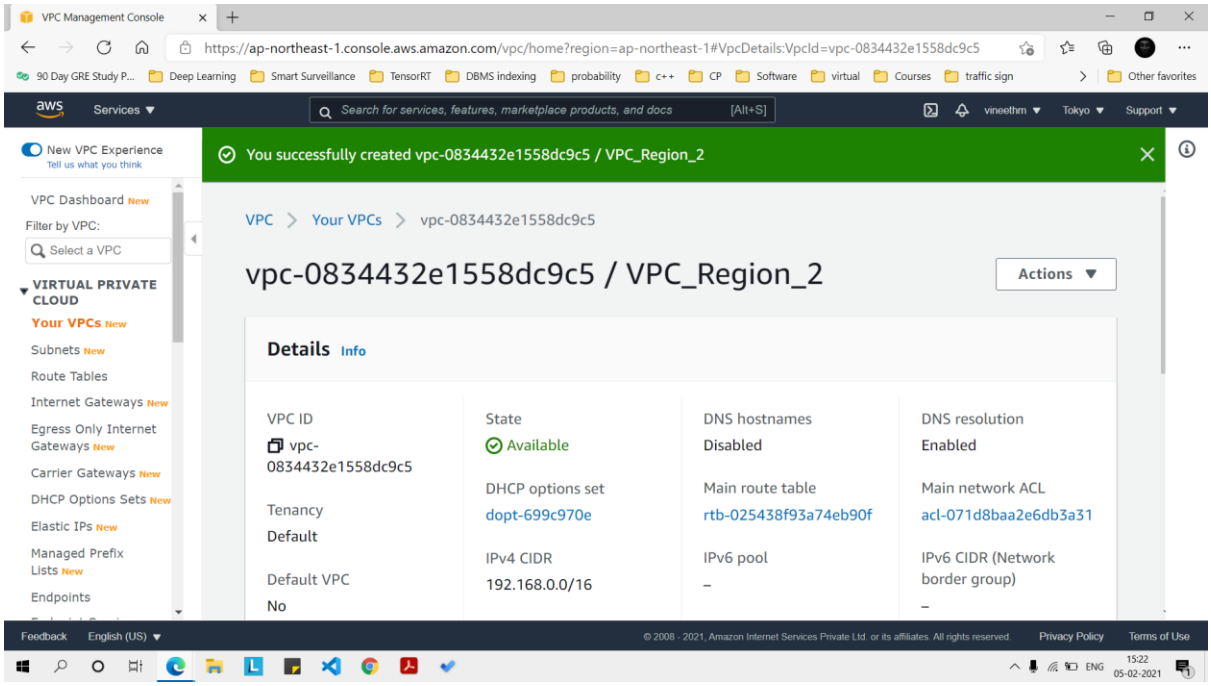




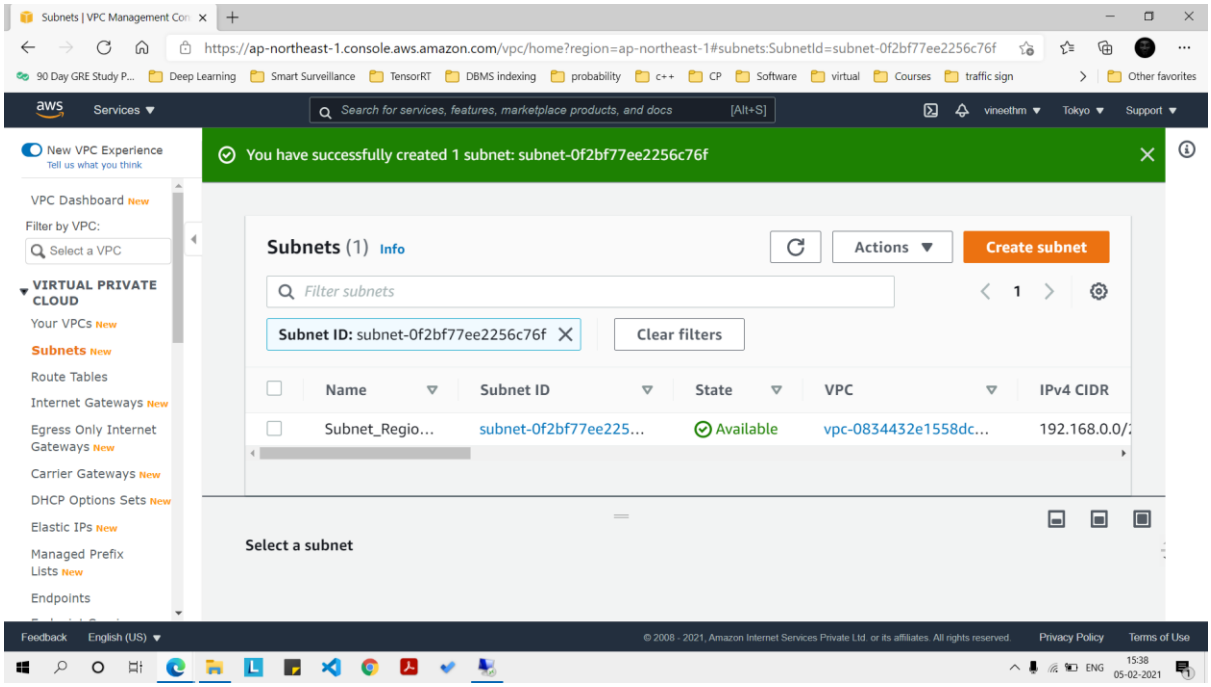
Repeat the same steps for the Tokyo Region

Region: Tokyo

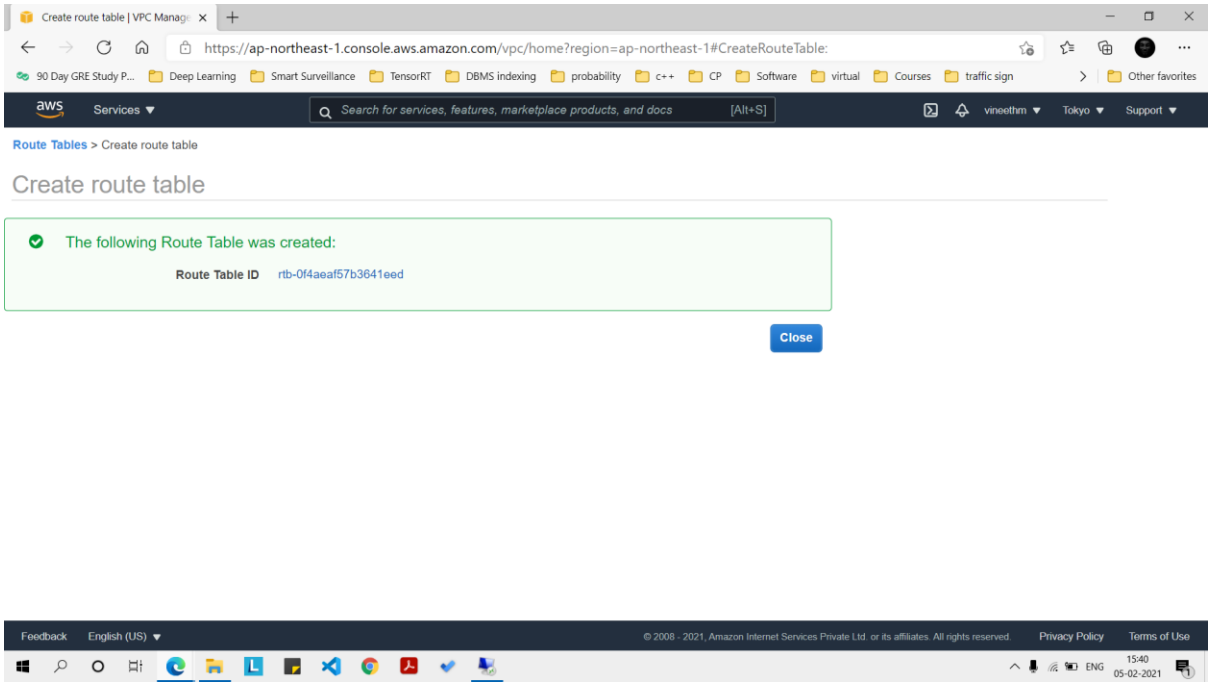
Create VPC



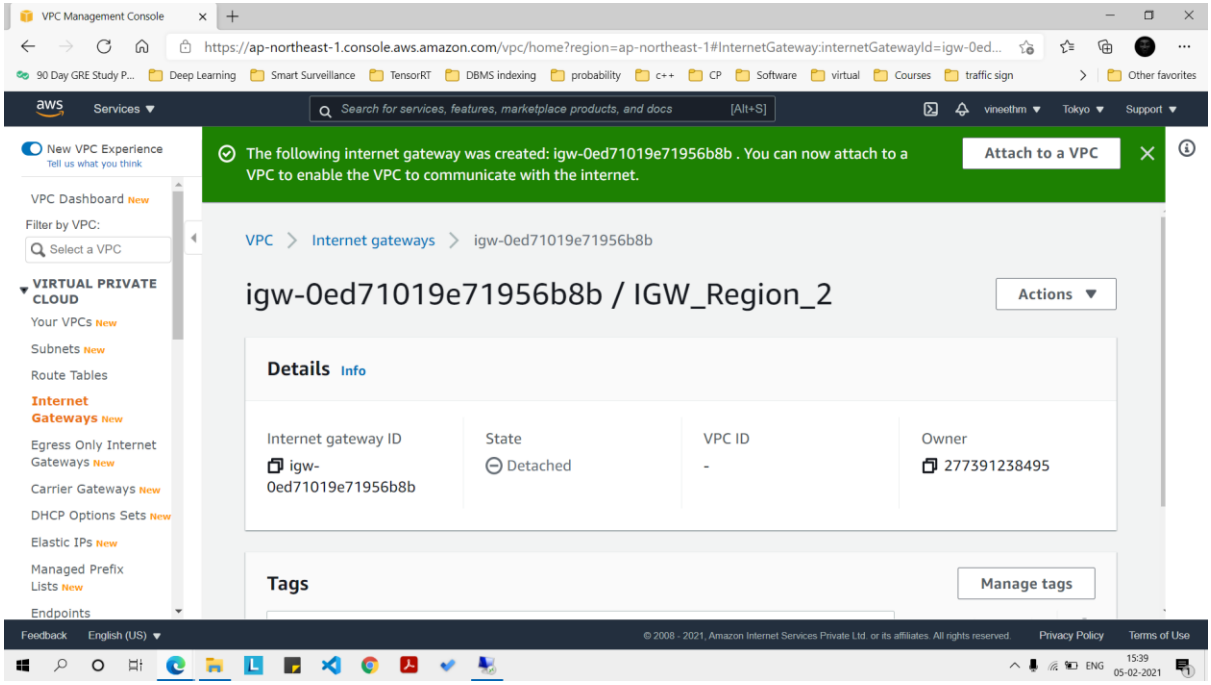
Create subnet



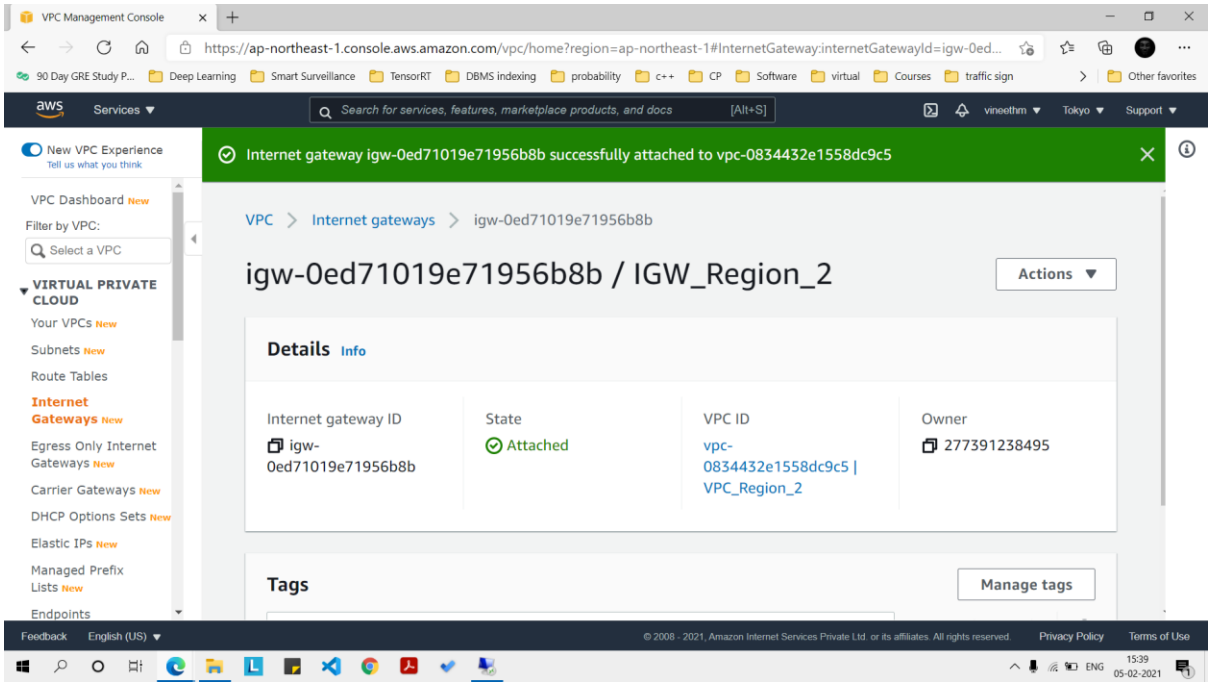
Create new route table



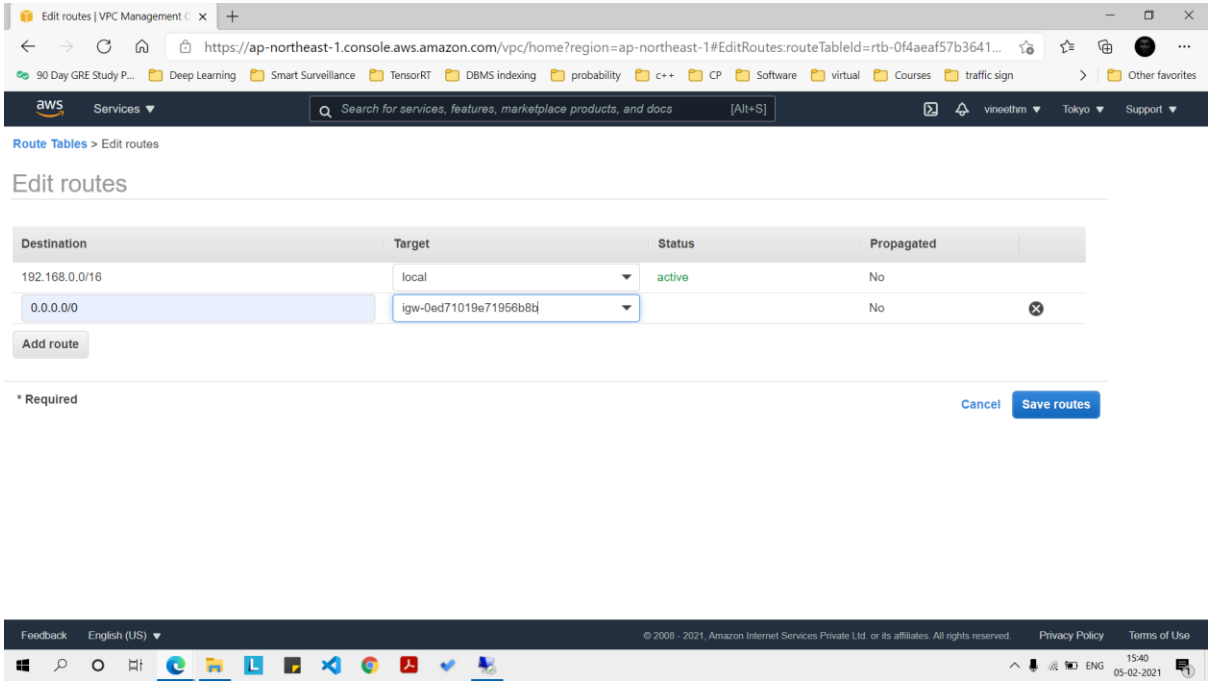
Create Internet Gateway



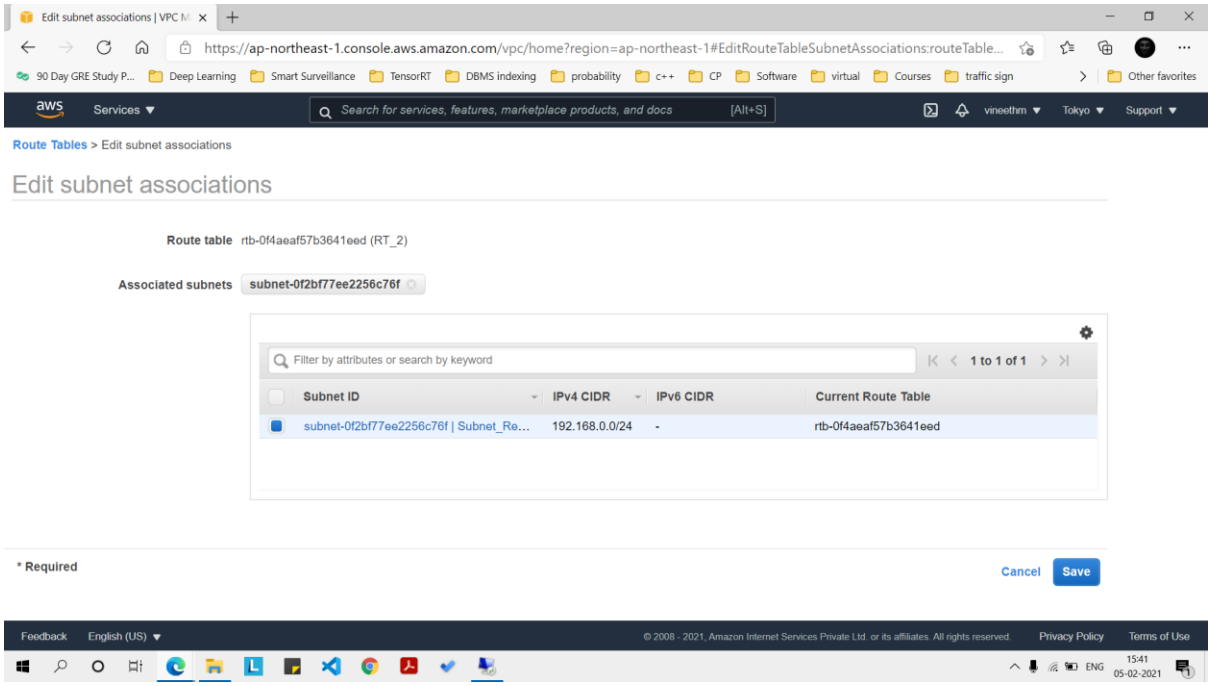
Attach Internet Gateway



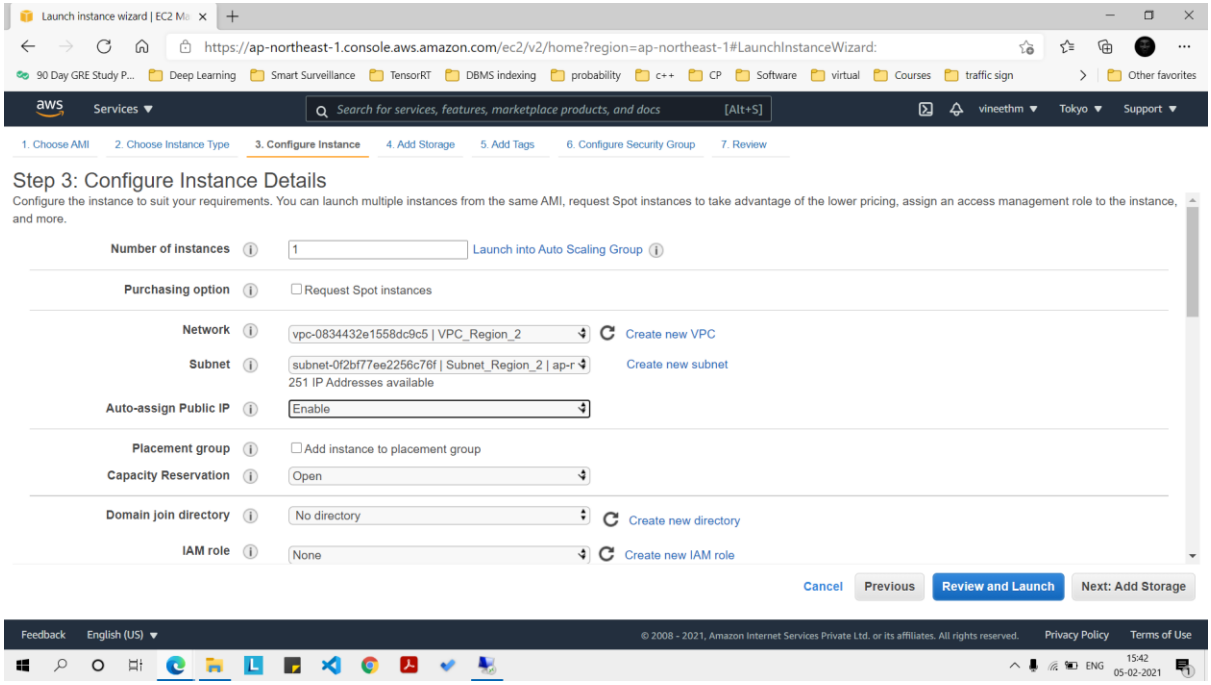
Edit route table



Edit subnet associations



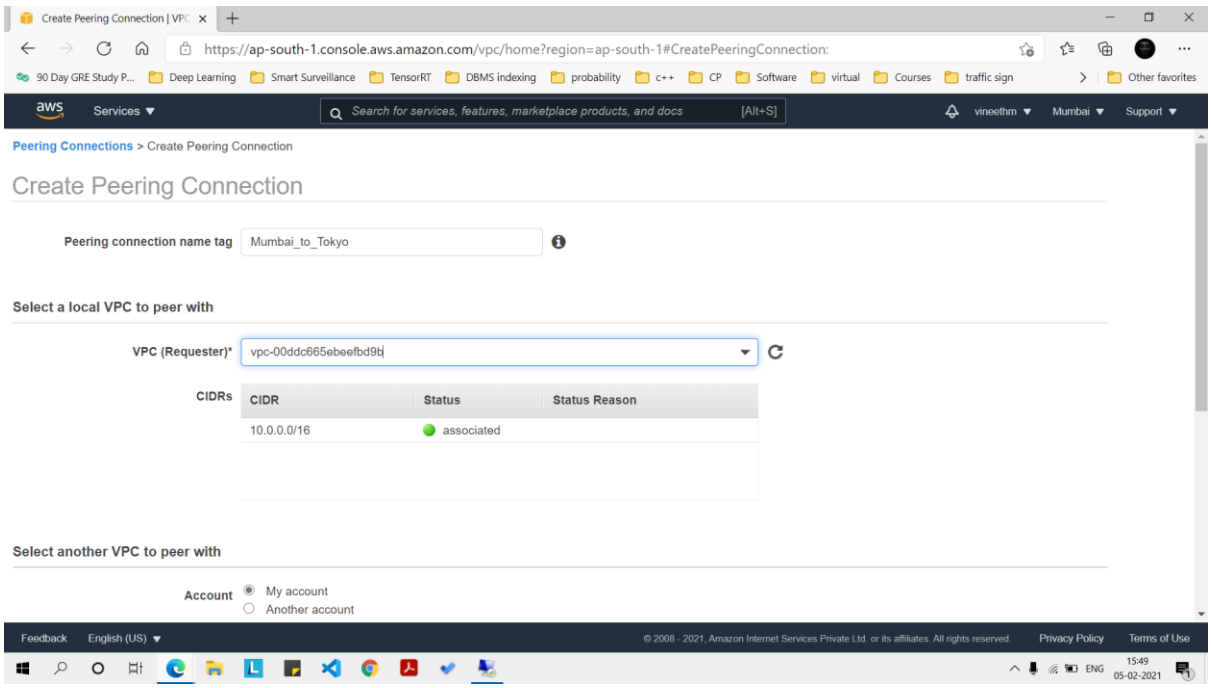
Now launch EC2 instance in this VPC region 2 [Tokyo Region]

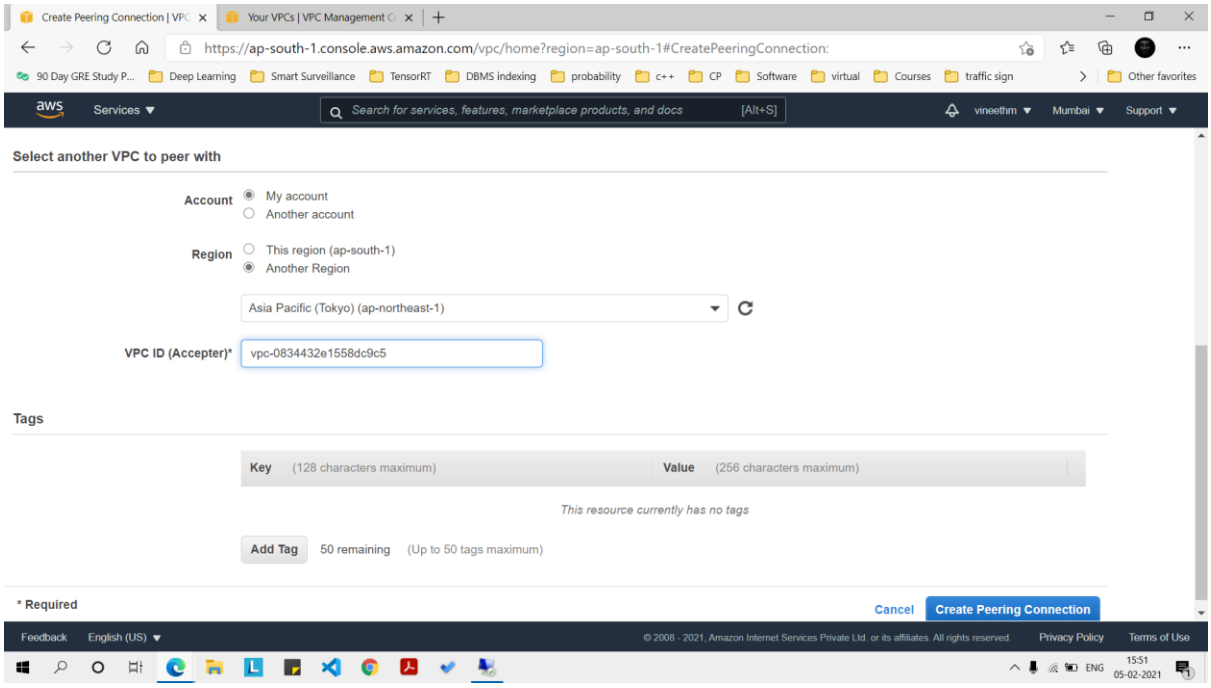


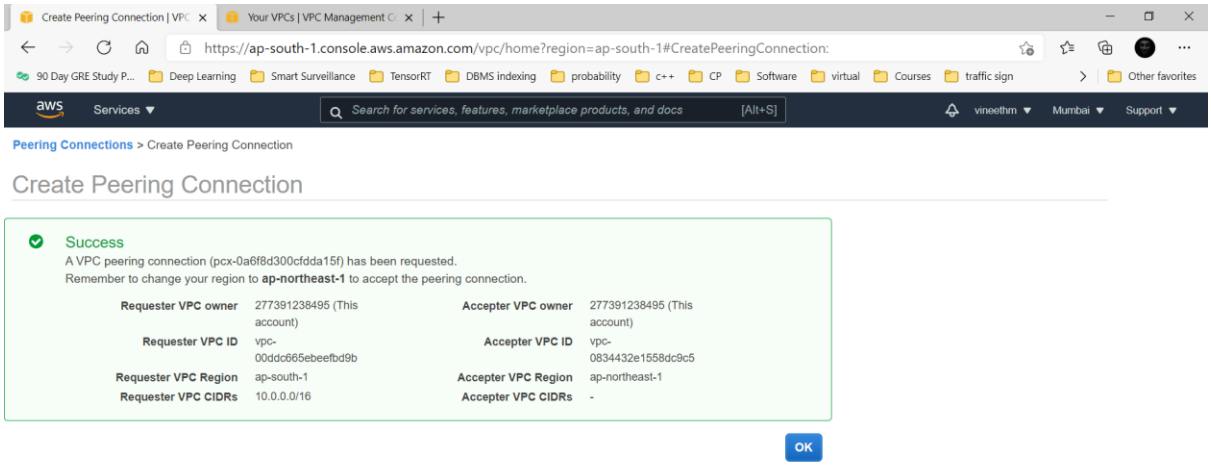
Now create a VPC Peering Connection.

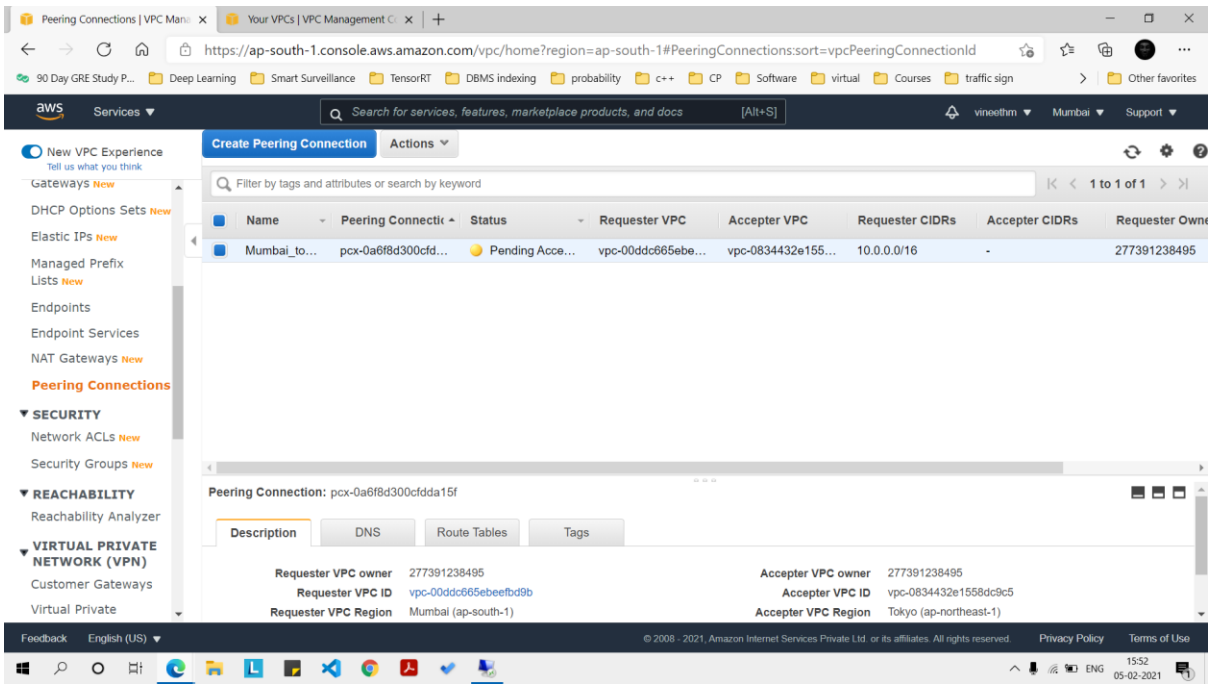
One VPC will work as an acceptor (Tokyo)

Other VPC will work as requestor (Mumbai) [connection establisher]



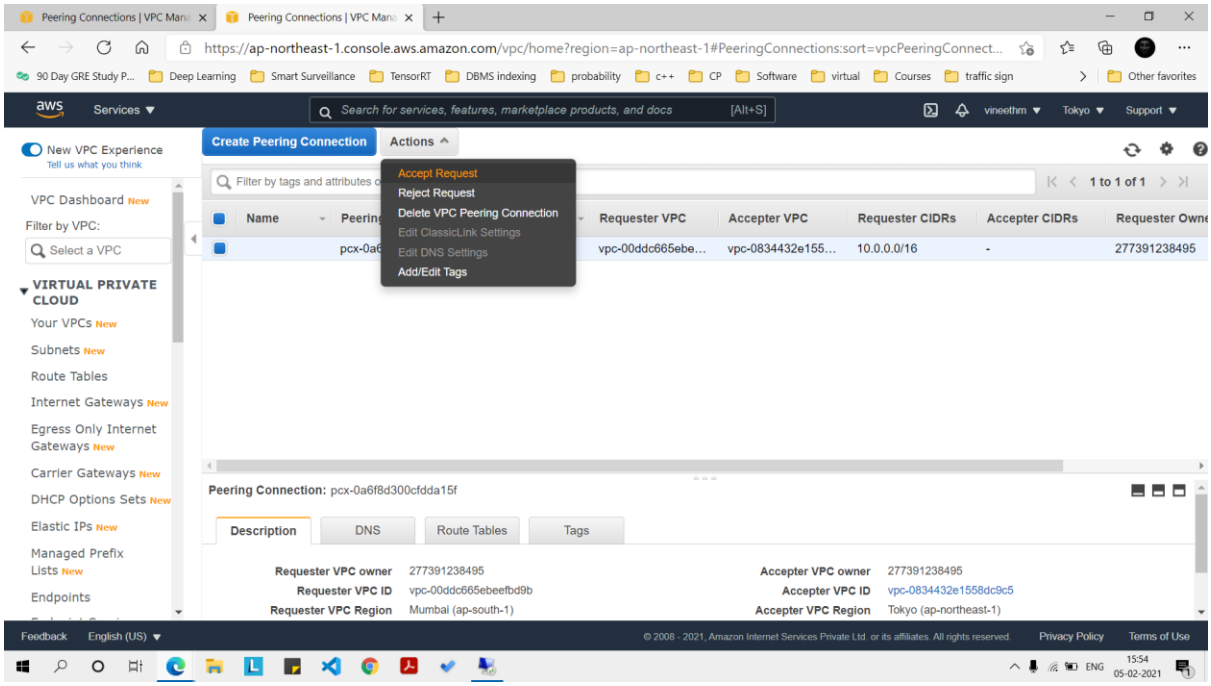






We can observe that the status is showing “Pending Acceptance”.

Now switch to Tokyo and accept the VPC Connection Request made my Mumbai Region VPC.


Peering Connections | VPC Mana
https://ap-northeast-1.console.aws.amazon.com/vpc/home?region=ap-northeast-1#PeeringConnections:sort=vpcPeeringConnect...
Services
Search for services, features, marketplace products, and docs [Alt+S]
vineethm
Tokyo
Support
New VPC Experience
Tell us what you think
Create Peering Connection
Actions
Accept Request
Reject Request
Delete VPC Peering Connection
Edit ClassicLink Settings
Edit DNS Settings
Add/Edit Tags
Filter by tags and attributes
1 to 1 of 1
Name
Requester VPC
Accepter VPC
Requester CIDRs
Accepter CIDRs
vpc-00ddc665ebe...
vpc-0834432e155...
10.0.0.0/16
277391238495
VPC Dashboard
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
Carrier Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Peering Connection: pcx-0a6f8d300cfdda15f
Description
DNS
Route Tables
Tags
Requester VPC owner 277391238495
Requester VPC ID vpc-00ddc665ebeefbd9b
Requester VPC Region Mumbai (ap-south-1)
Accepter VPC owner 277391238495
Accepter VPC ID vpc-0834432e1558dc9c5
Accepter VPC Region Tokyo (ap-northeast-1)
Feedback
English (US)
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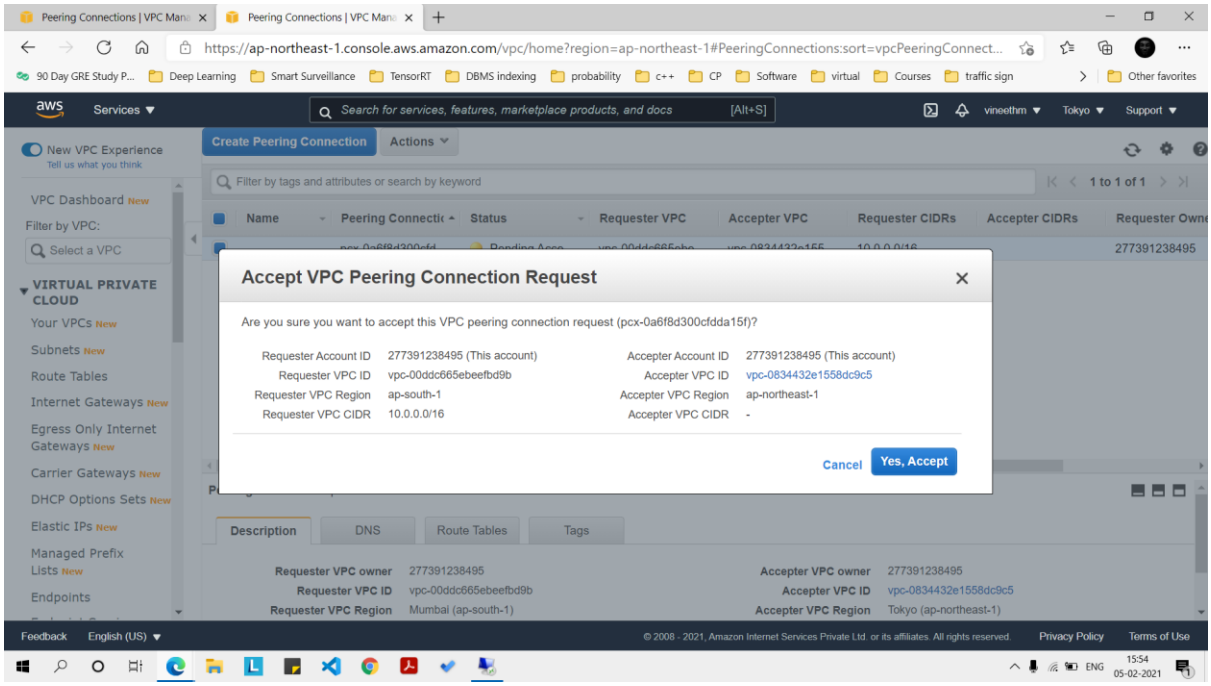
05-02-2021


Peering Connections | VPC Mana
https://ap-northeast-1.console.aws.amazon.com/vpc/home?region=ap-northeast-1#PeeringConnections:sort=vpcPeeringConnect...
Services
Search for services, features, marketplace products, and docs [Alt+S]
vineethm
Tokyo
Support
New VPC Experience
Tell us what you think
Create Peering Connection
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Peering Connecti
Status
Requester VPC
Accepter VPC
Requester CIDRs
Accepter CIDRs
277391238495
Accept VPC Peering Connection Request
Are you sure you want to accept this VPC peering connection request (pcx-0a6f8d300cfdda15f)?
Requester Account ID 277391238495 (This account)
Requester VPC ID vpc-00ddc665ebeefbd9b
Requester VPC Region ap-south-1
Requester VPC CIDR 10.0.0.0/16
Accepter Account ID 277391238495 (This account)
Accepter VPC ID vpc-0834432e1558dc9c5
Accepter VPC Region ap-northeast-1
Accepter VPC CIDR -
Cancel
Yes, Accept
VPC Dashboard
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
Carrier Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Description
DNS
Route Tables
Tags
Requester VPC owner 277391238495
Requester VPC ID vpc-00ddc665ebeefbd9b
Requester VPC Region Mumbai (ap-south-1)
Accepter VPC owner 277391238495
Accepter VPC ID vpc-0834432e1558dc9c5
Accepter VPC Region Tokyo (ap-northeast-1)
Feedback
English (US)
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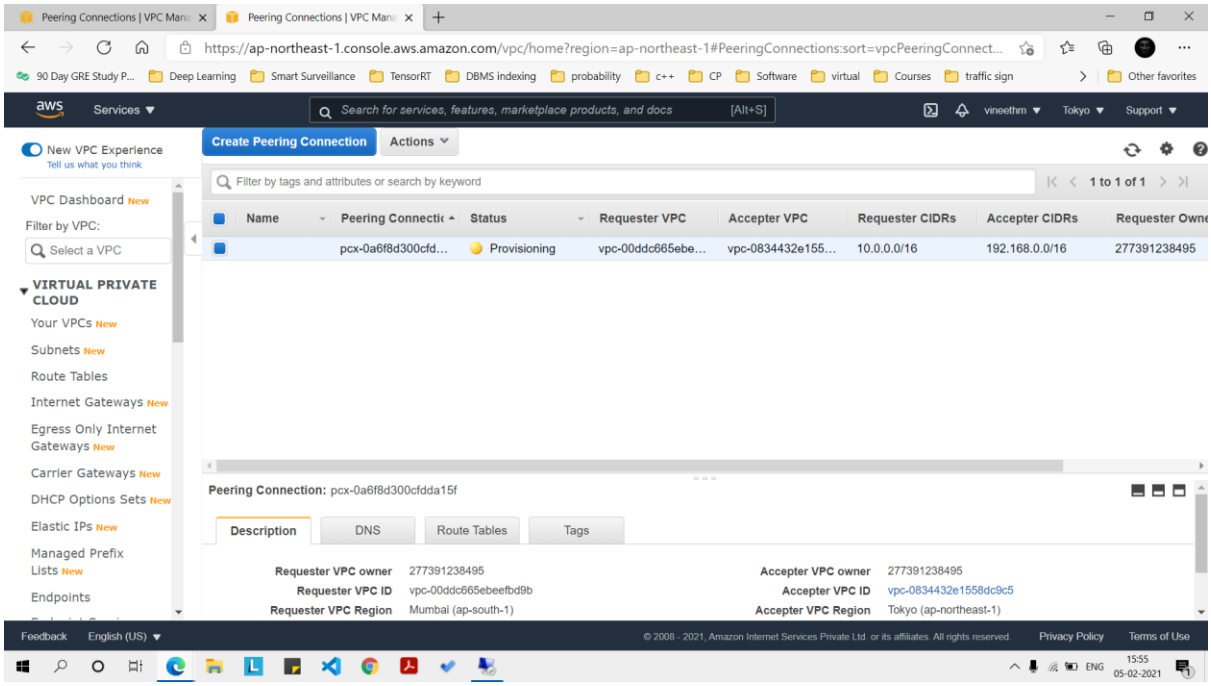
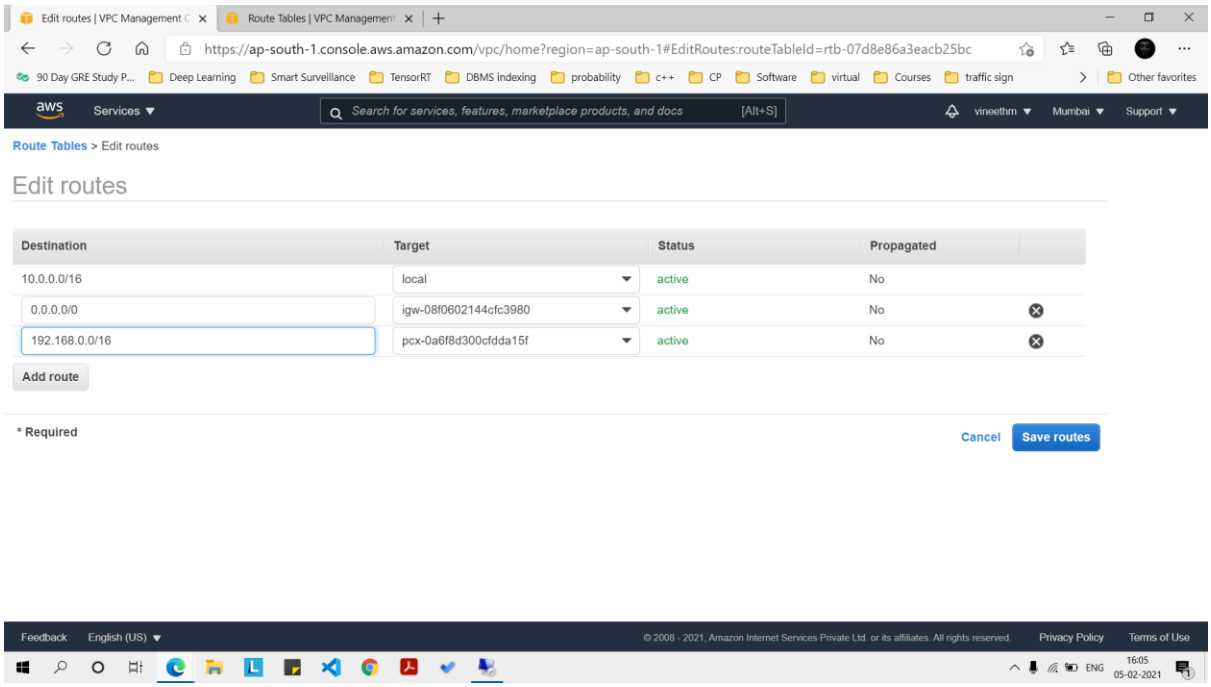
05-02-2021

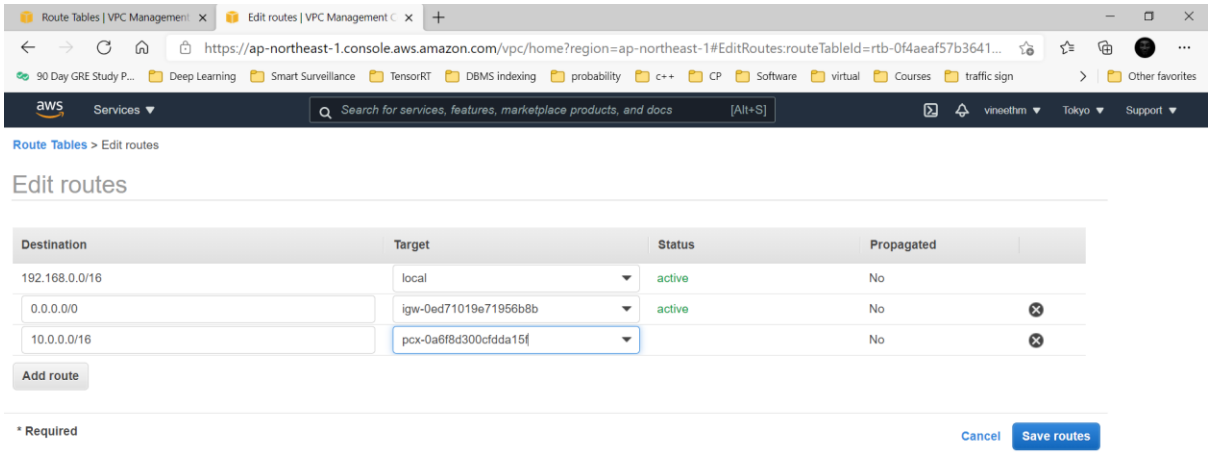


We can observe the status as Provisioning indicating successful acceptance.

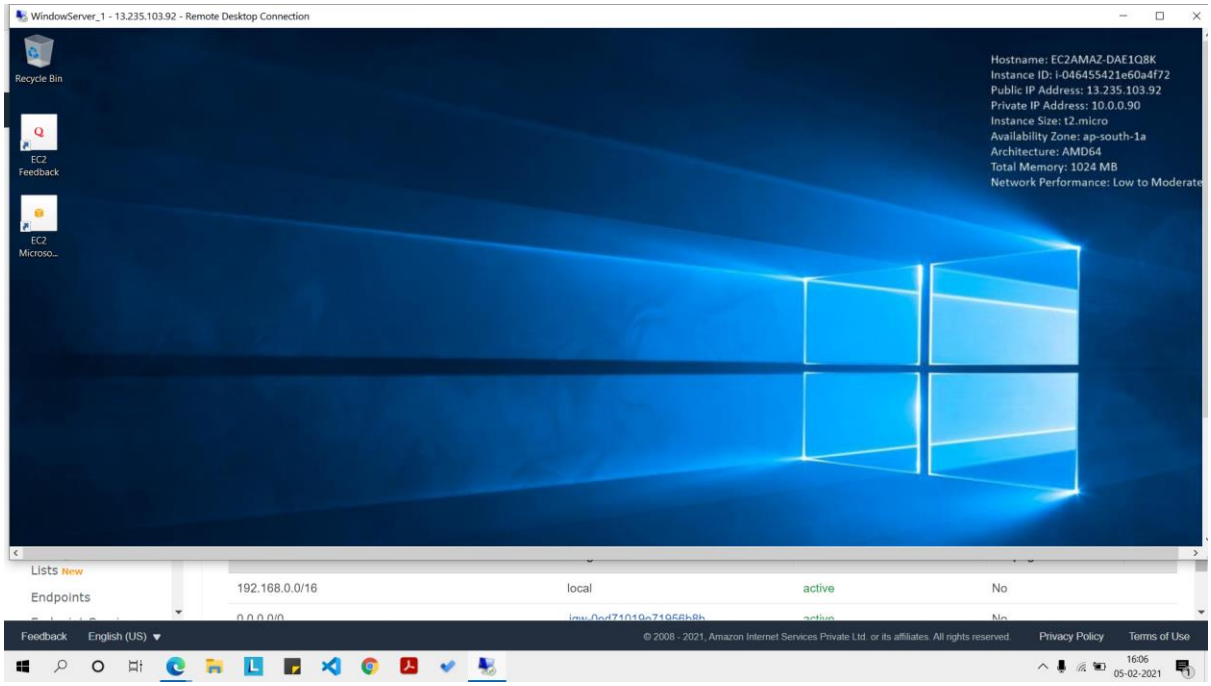
Edit routes in Mumbai Region to accommodate the peering connection via the subnet of Tokyo Region.



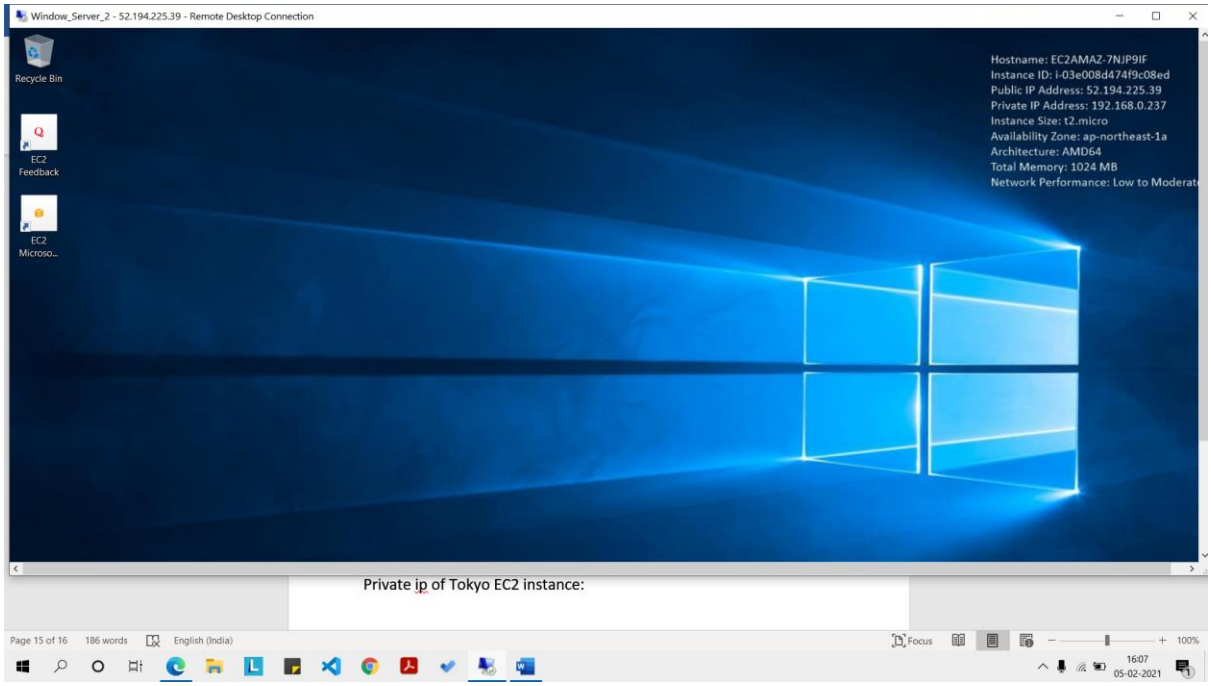
Edit routes in Tokyo Region to accommodate the peering connection via the subnet of the Mumbai Region.



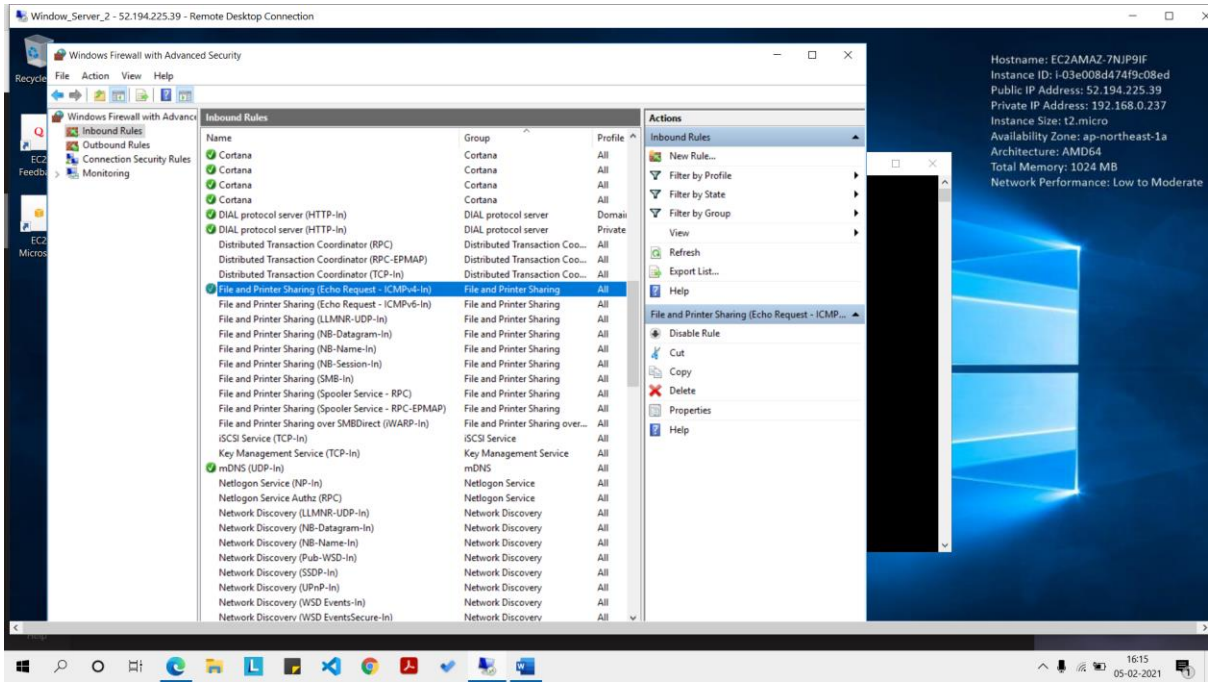
Private IP of Mumbai EC2 instance: 10.0.0.90



Private IP of Tokyo EC2 instance: 192.168.0.237



Enable Echo request rule in firewall windows settings' inbound rules.



Do the same for the other EC2 instance.

We can now confirm that the Ping messages are working: