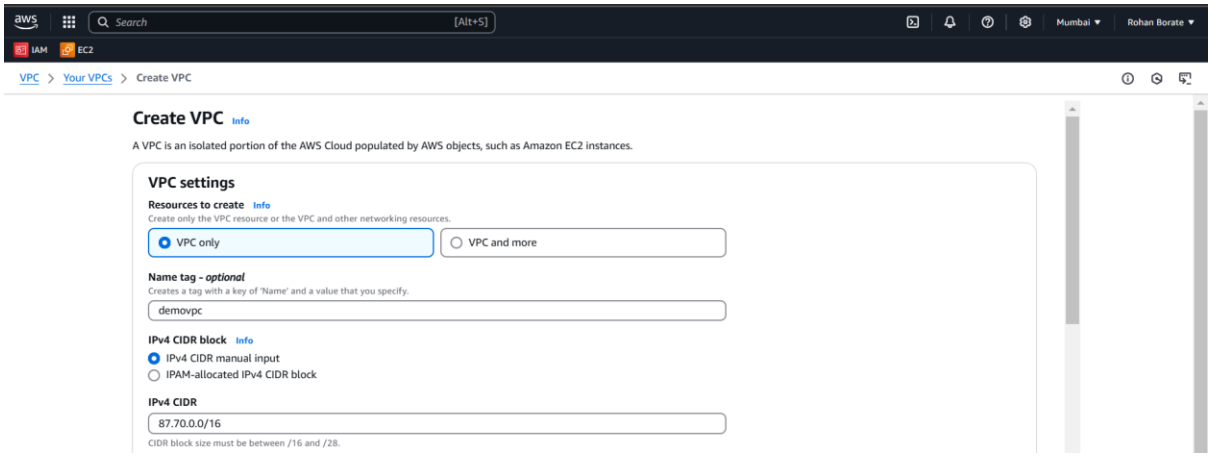
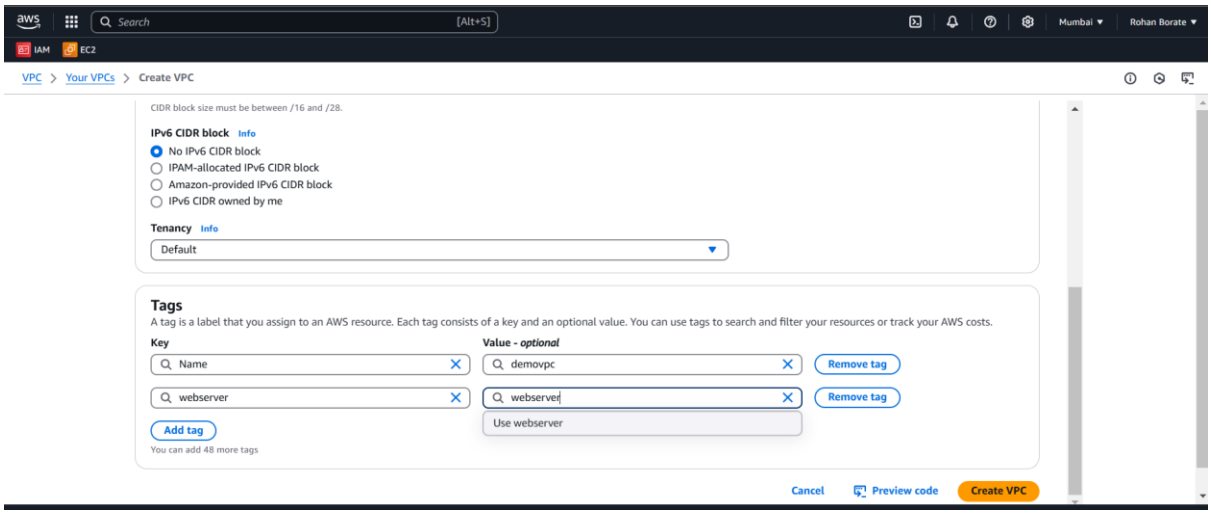
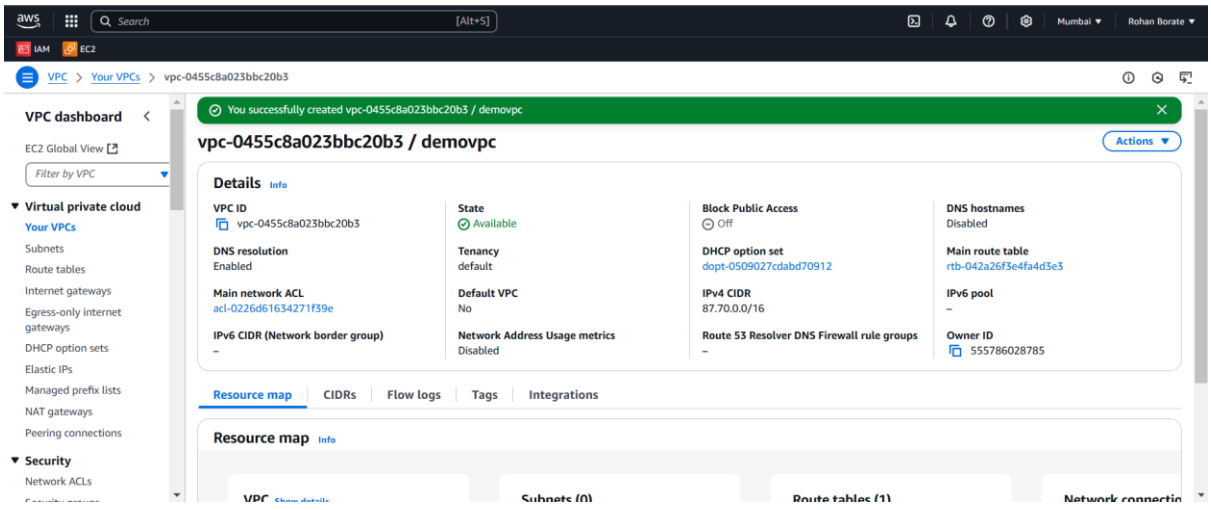
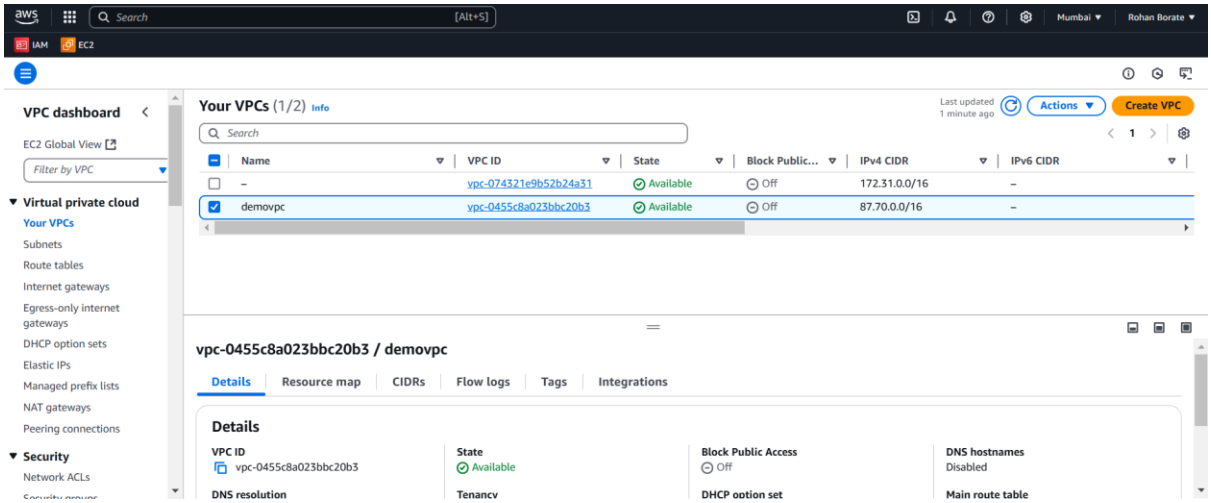
VPC and subnet creation.

1.create VPC (87.70.0.0/16)

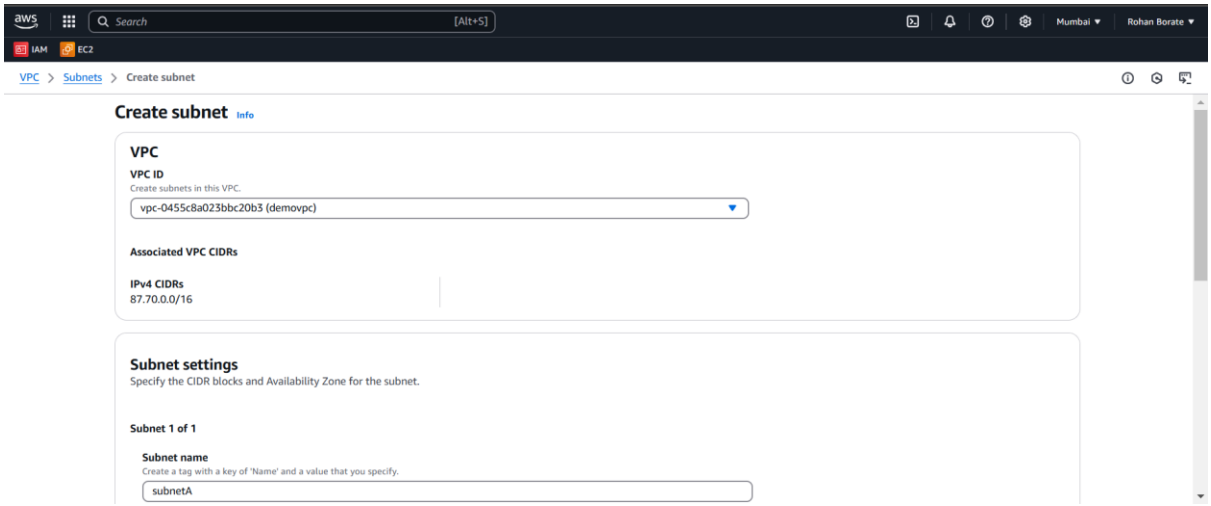


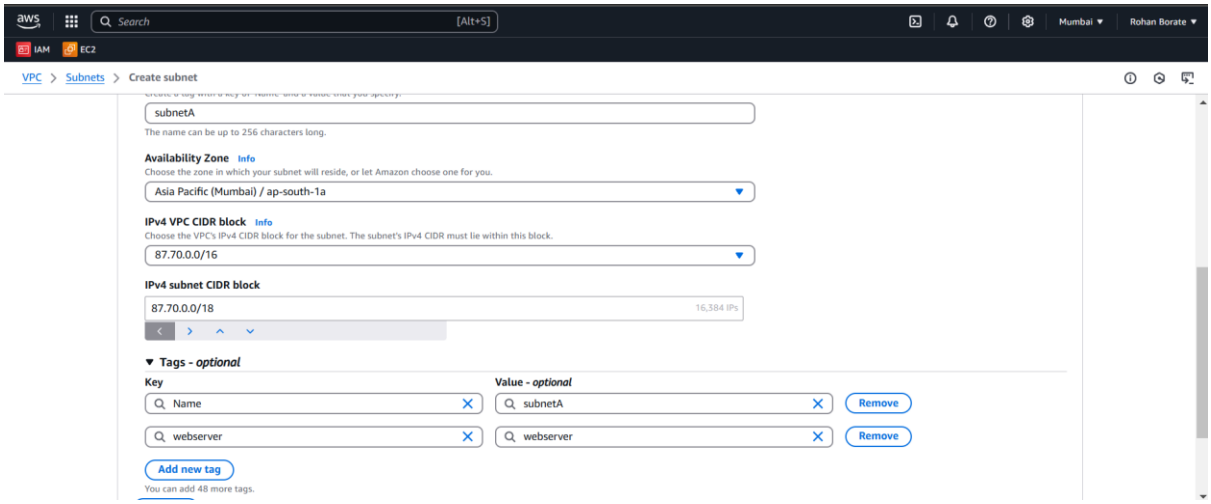


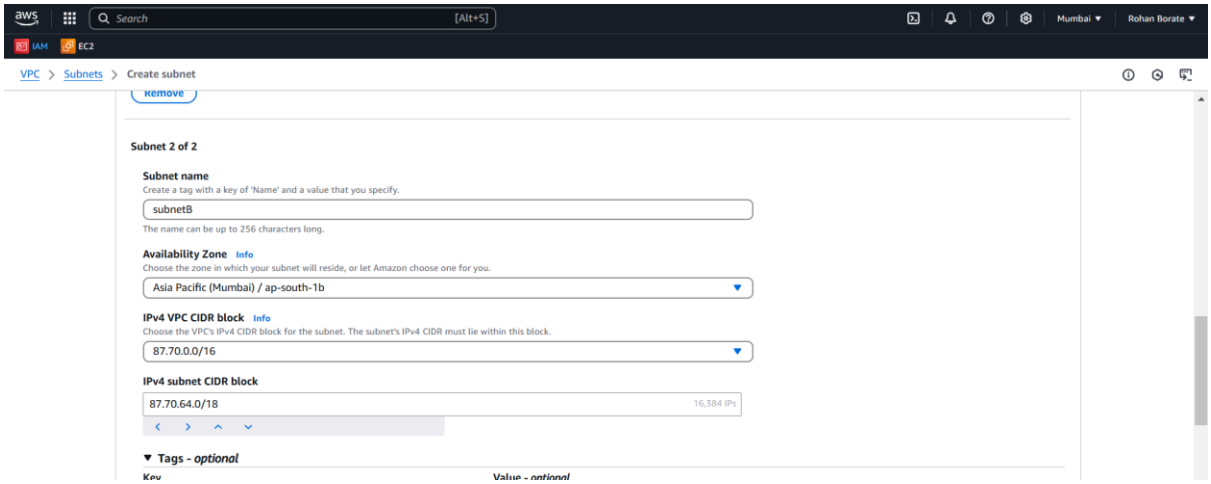


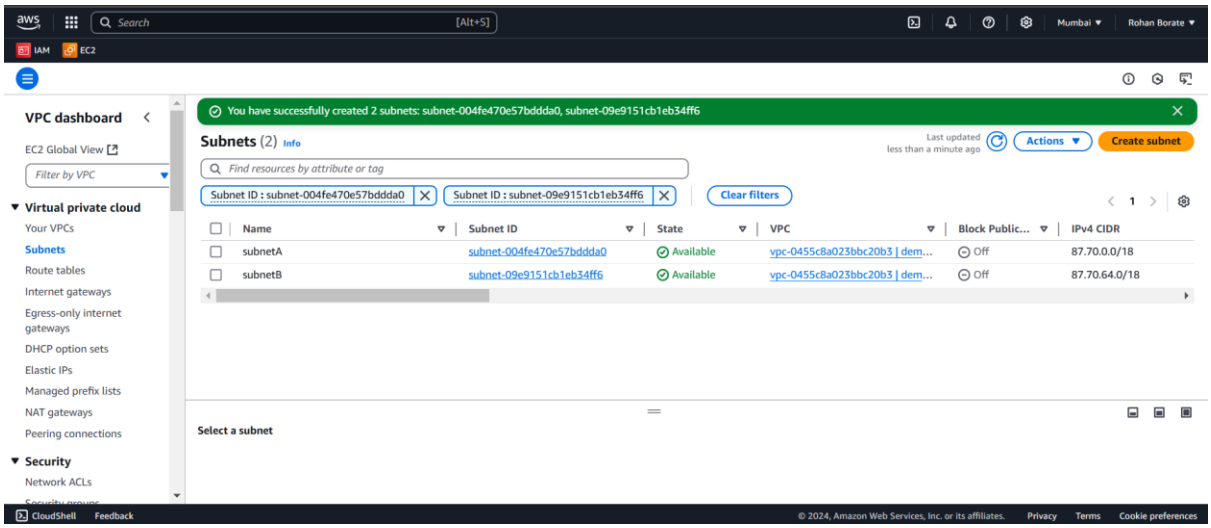


2. create subnet for this VPC , subnet A (87.70.0.0/18) and SubnetB (87.70.64.0/18)

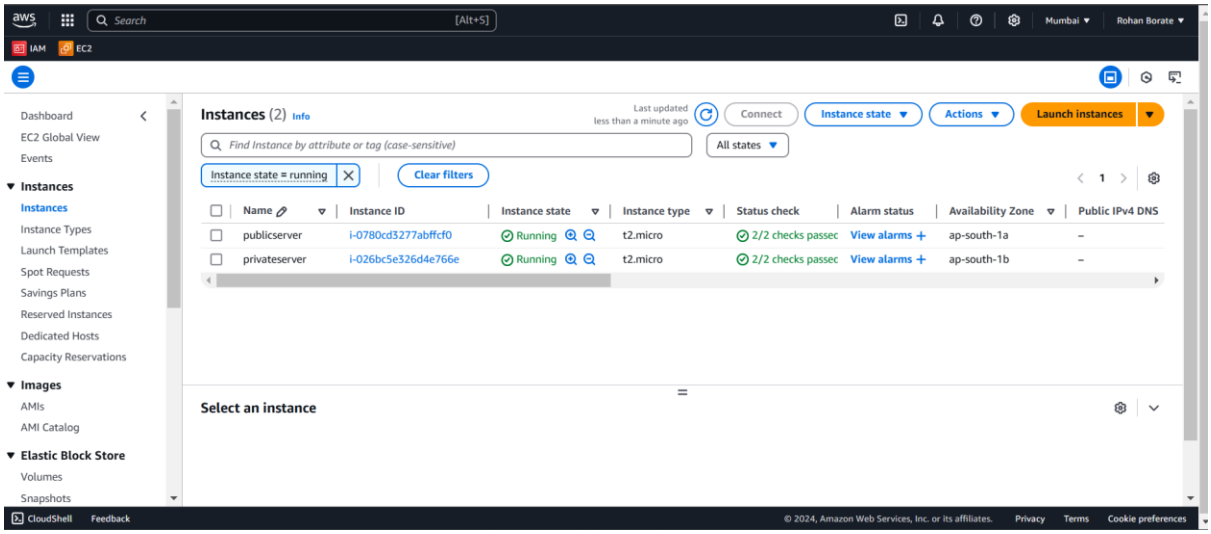




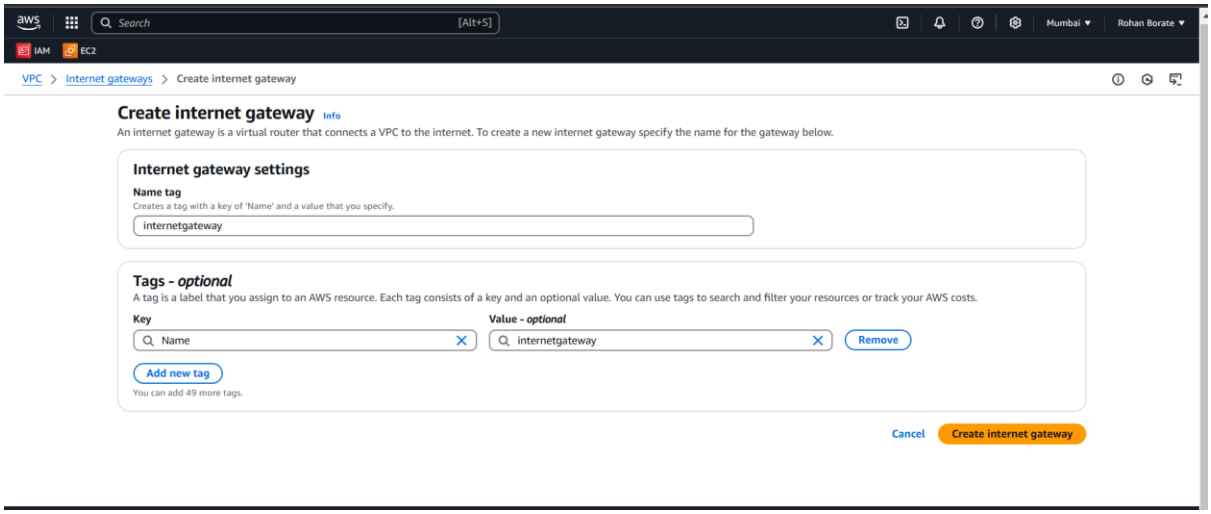


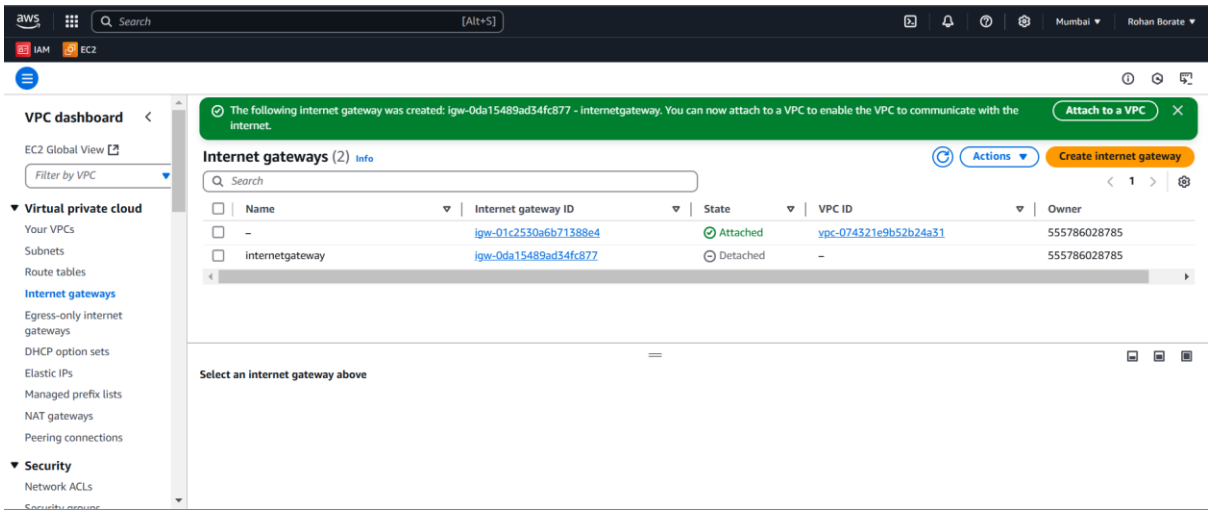


3.create EC2 instances, public and private

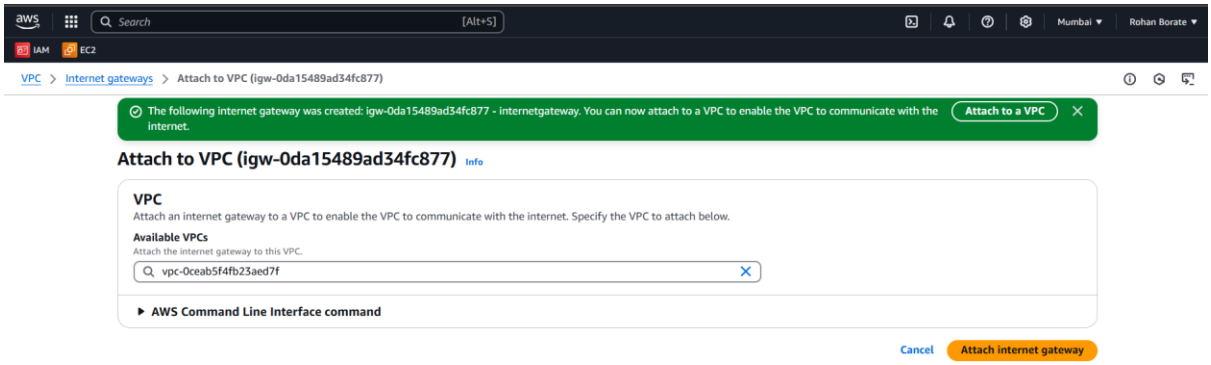


4. create internet gateway

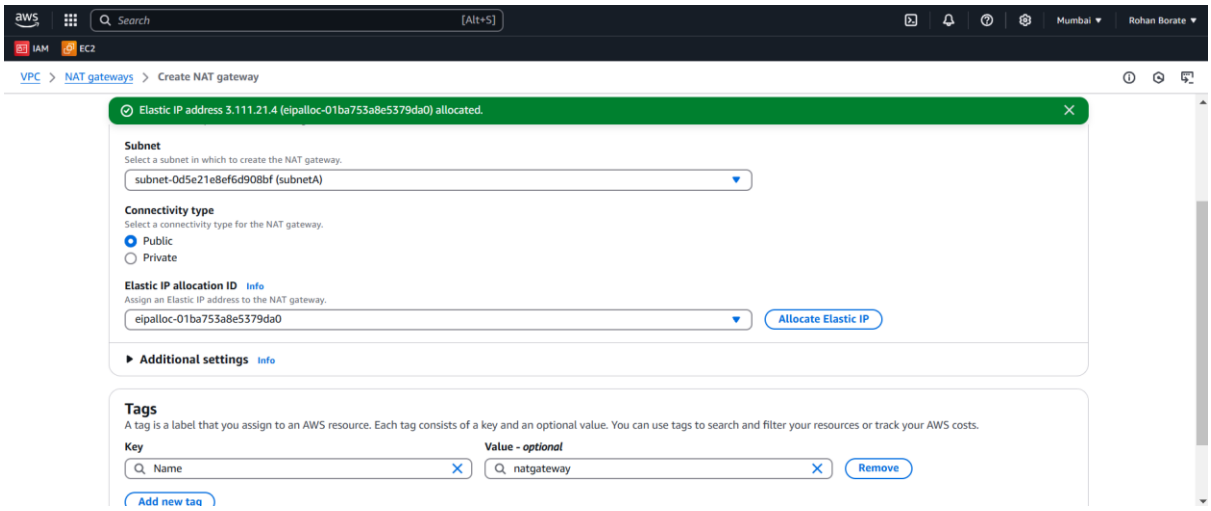


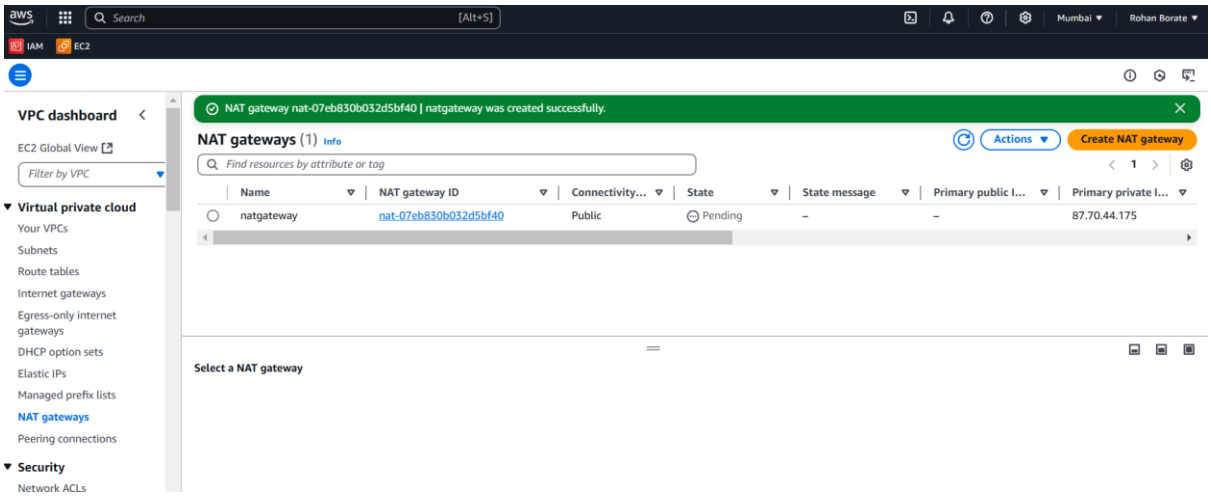


5. attach VPC to Internet gateway

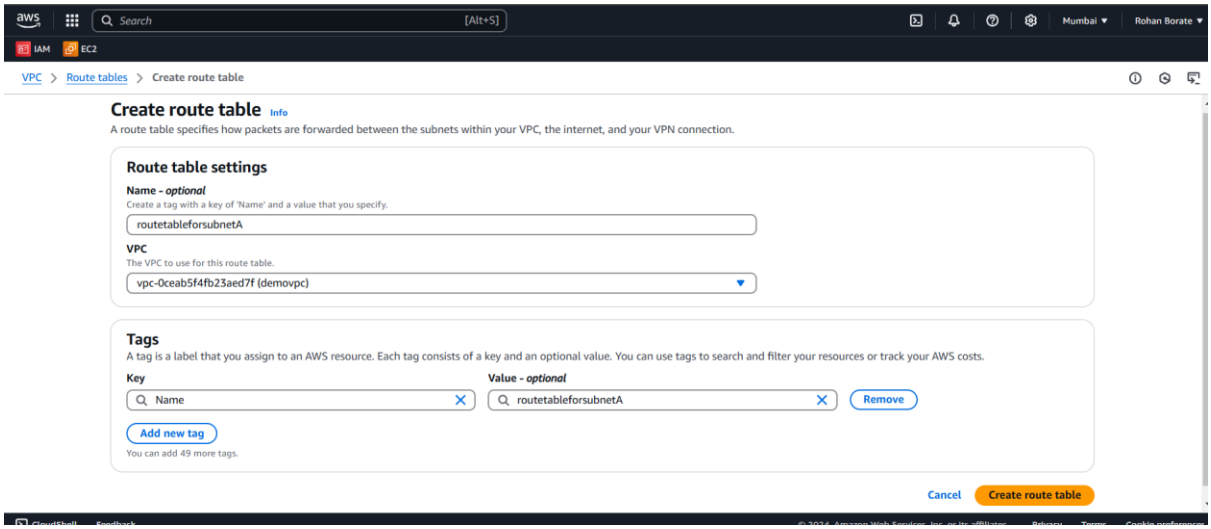


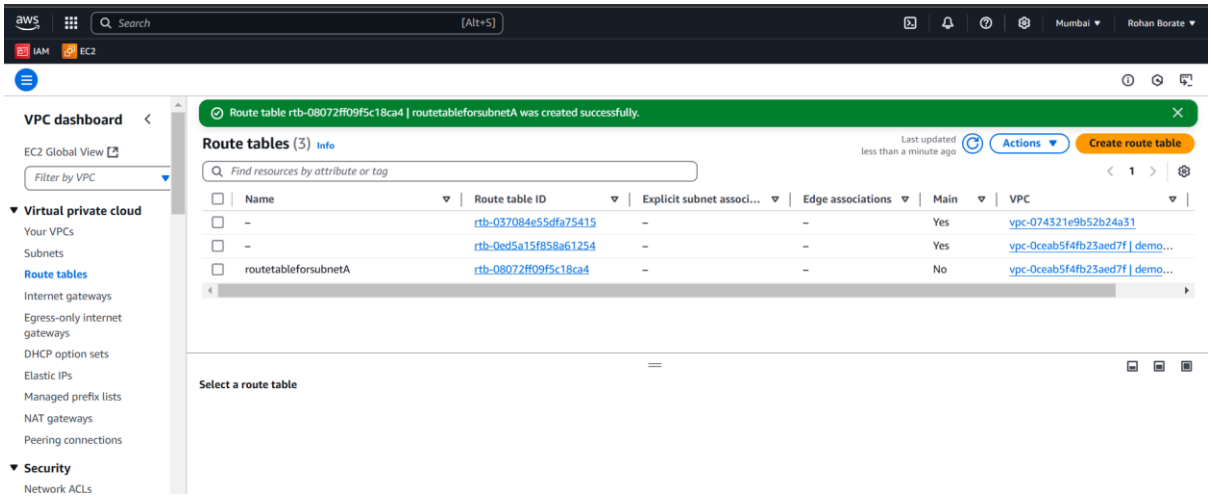
6. create NAT Gateway

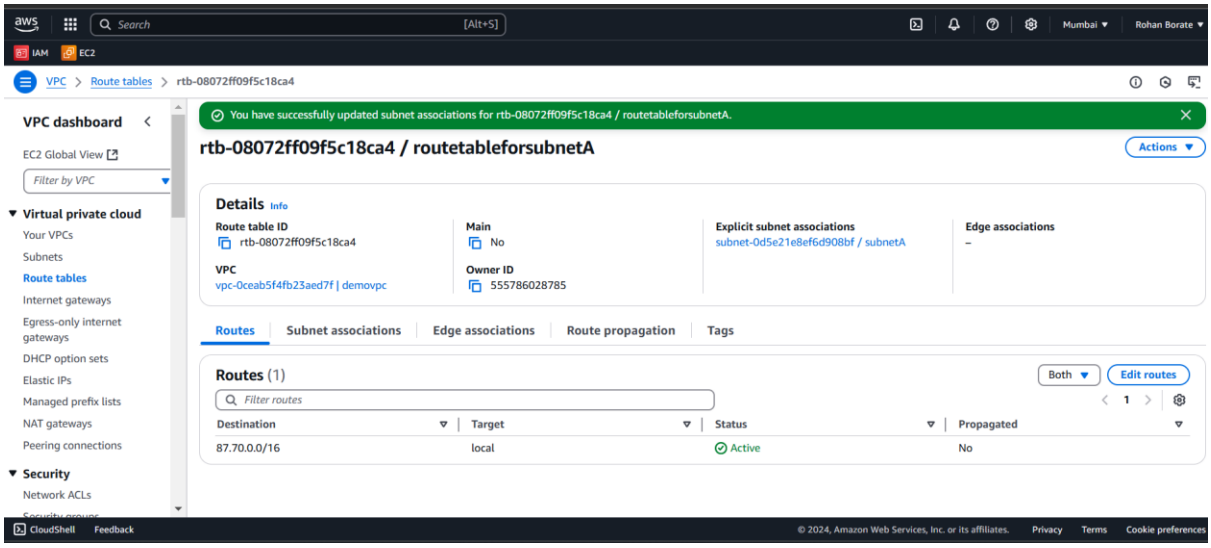




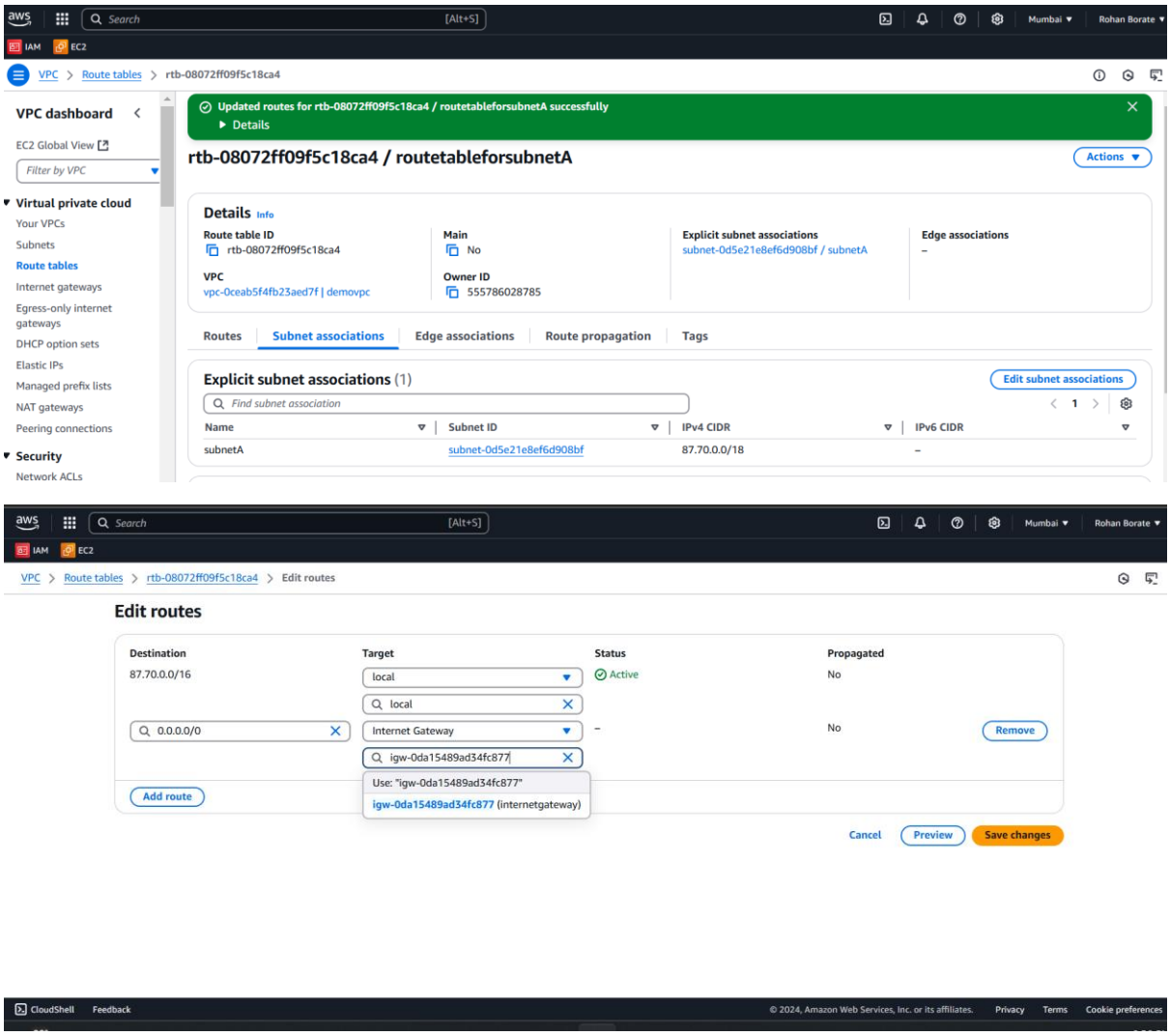
7. create route table for subnetA



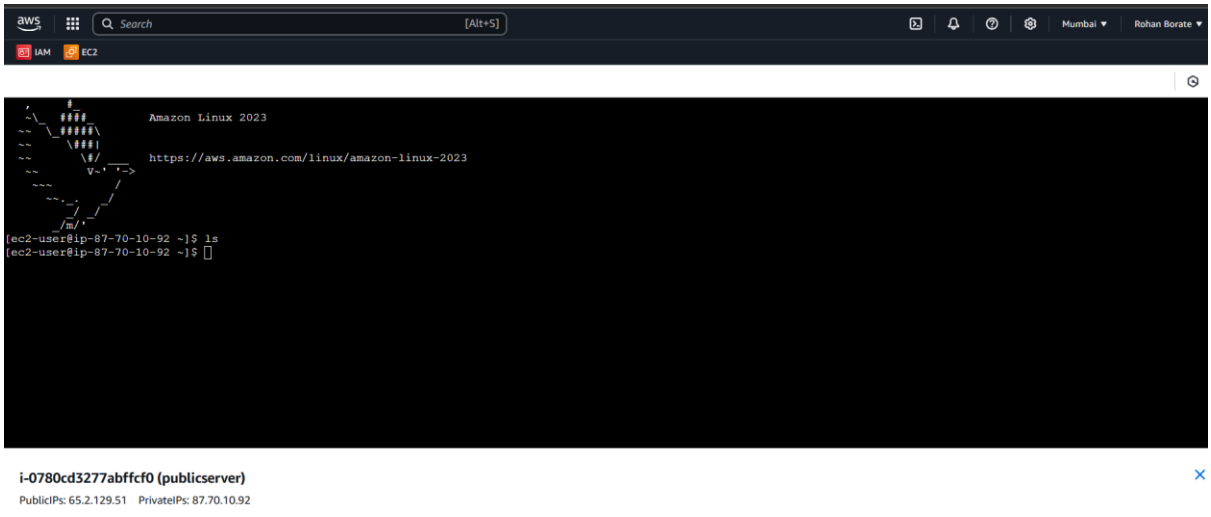

Search [Alt+S]
Mumbai
Rohan Borate
IAM
EC2
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Security
Network ACLs
Route table rtb-08072ff09f5c18ca4 | routetableforsubnetA was created successfully.
Route tables (3) Info
Last updated less than a minute ago
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
VPC
rtb-037084e55dfa75415
rtb-0ed5a15f858a61254
routetableforsubnetA
rtb-08072ff09f5c18ca4
vpc-074321e9b52b24a31
vpc-0ceab5f4fb23aed7f | demo...
Select a route table


Search [Alt+S]
Mumbai
Rohan Borate
IAM
EC2
VPC > Route tables > rtb-08072ff09f5c18ca4
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Security
Network ACLs
You have successfully updated subnet associations for rtb-08072ff09f5c18ca4 / routetableforsubnetA.
rtb-08072ff09f5c18ca4 / routetableforsubnetA
Actions
Details Info
Route table ID
rtb-08072ff09f5c18ca4
Main
No
Explicit subnet associations
subnet-0d5e21e8ef6d908bf / subnetA
Edge associations
–
VPC
vpc-0ceab5f4fb23aed7f | demovpc
Owner ID
555786028785
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Both
Edit routes
Filter routes
Destination
Target
Status
Propagated
87.70.0.0/16
local
Active
No
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

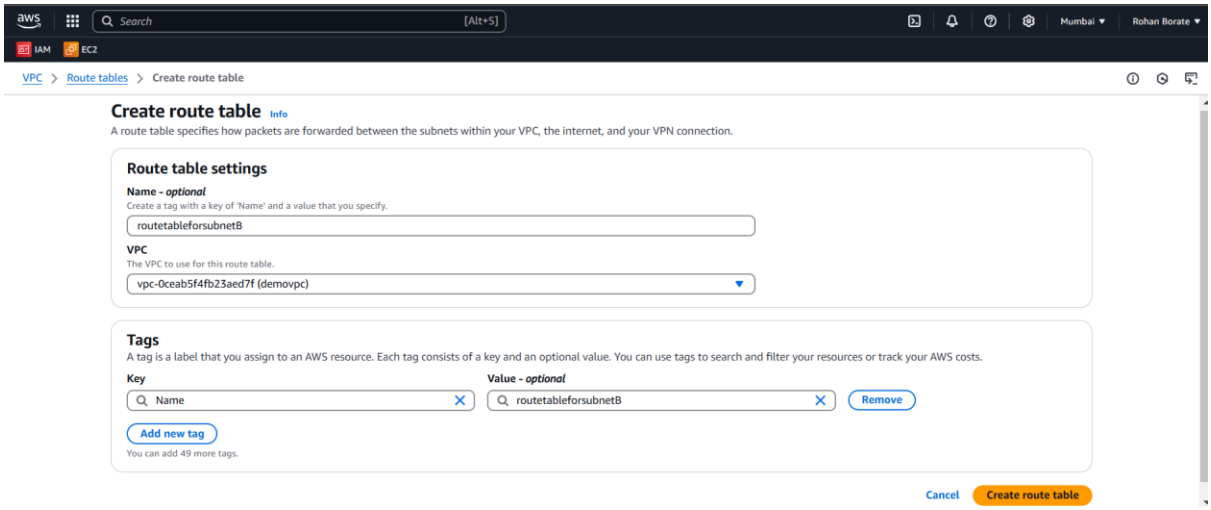
8. add subnet association and edit routes add Internet Gateway

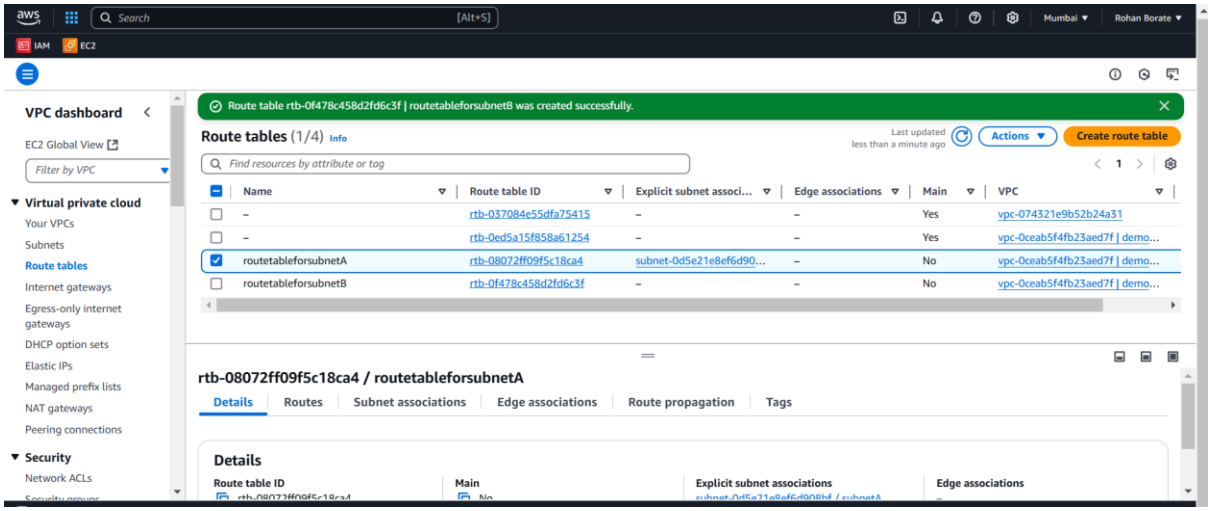


9. check if the ec2 server in public subnet is accessible.

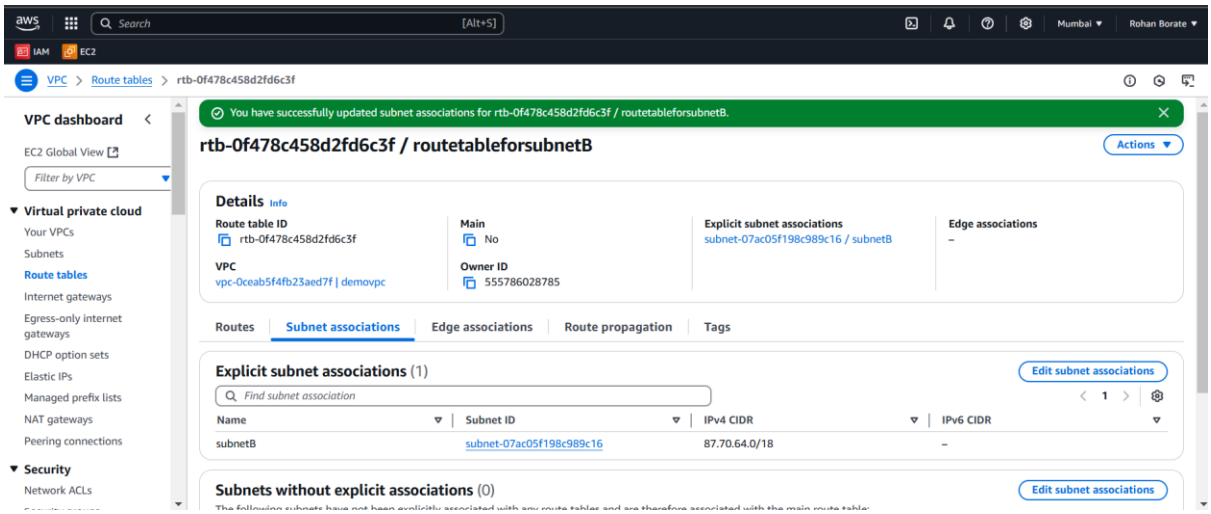


10. create the route table for the private subnetB

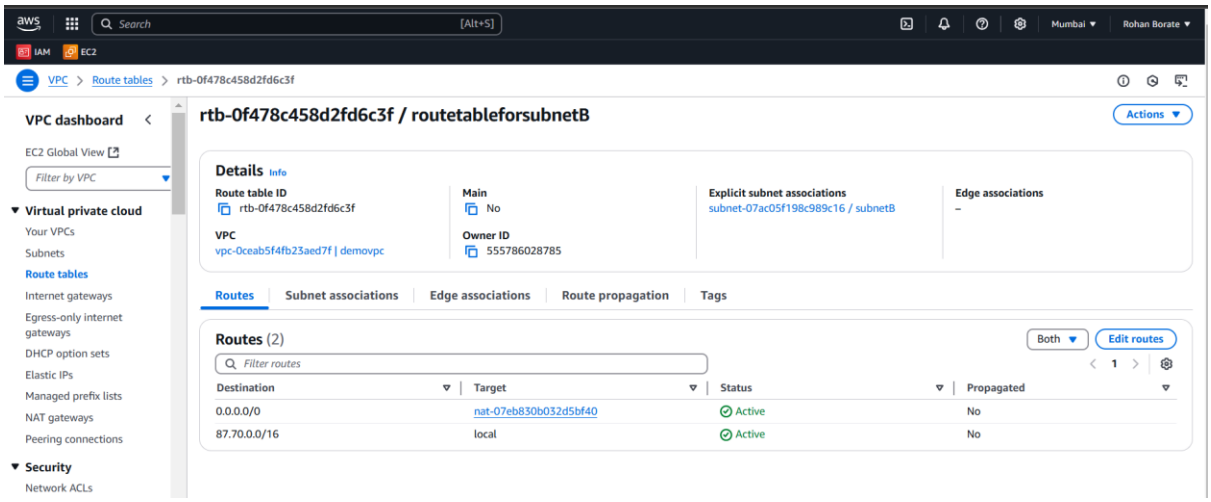




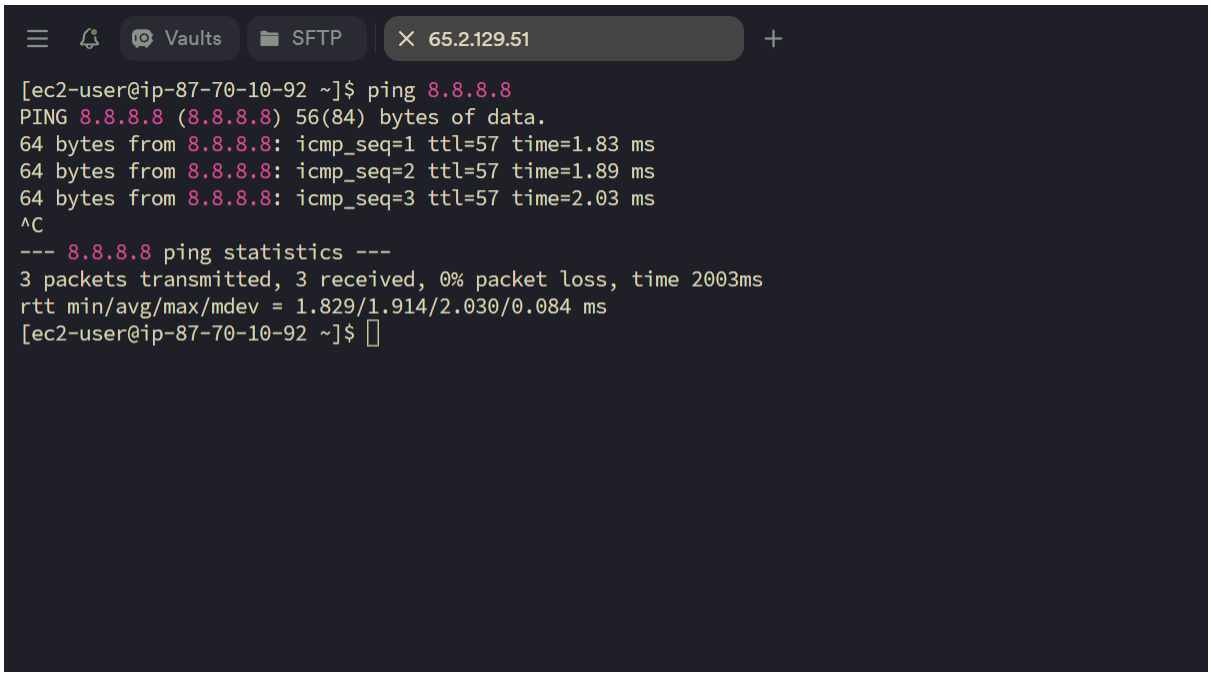
11. associate subnet B to route table



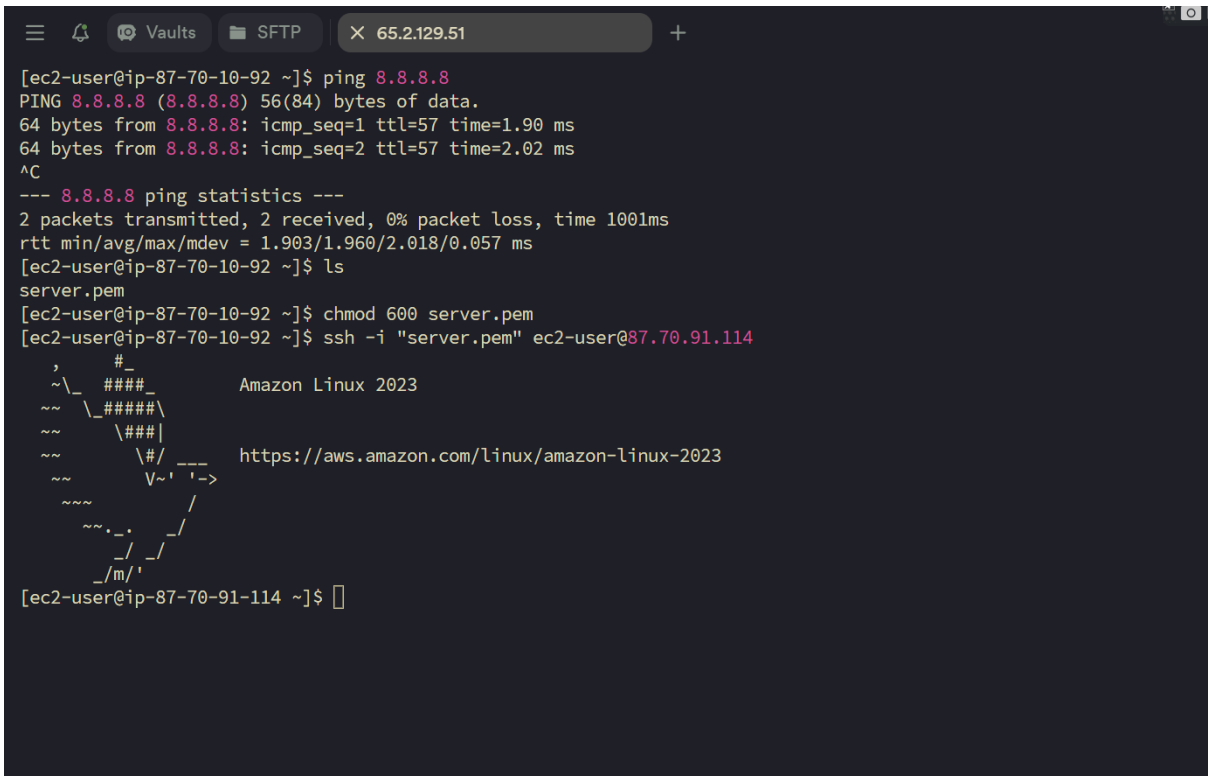
12.edit routes and NAT Gateway



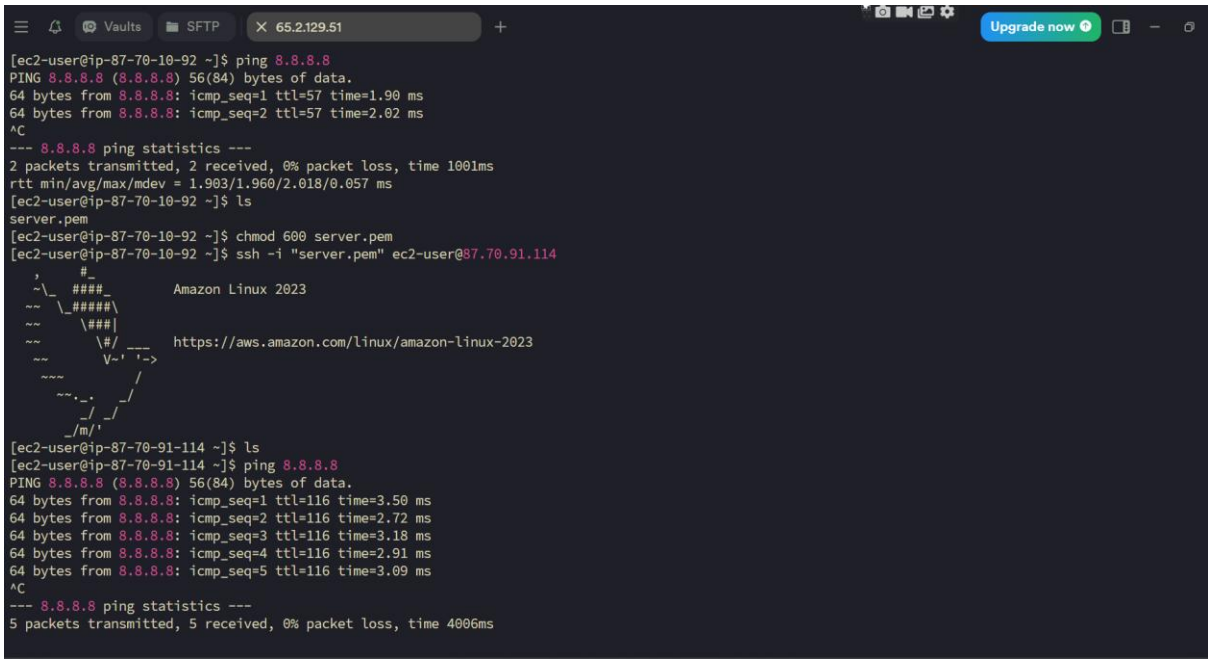
13 . connect the public EC2 instance and check it is getting the internet



14 . Take SSH of private server from public server



15 . check that private EC2 instance getting the internet access


Vaults
SFTP
65.2.129.51
Upgrade now
[ec2-user@ip-87-70-10-92 ~]$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=57 time=1.90 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=57 time=2.02 ms
^C
--- 8.8.8.8 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 1.903/1.960/2.018/0.057 ms
[ec2-user@ip-87-70-10-92 ~]$ ls
server.pem
[ec2-user@ip-87-70-10-92 ~]$ chmod 600 server.pem
[ec2-user@ip-87-70-10-92 ~]$ ssh -i "server.pem" ec2-user@87.70.91.114
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-87-70-91-114 ~]$ ls
[ec2-user@ip-87-70-91-114 ~]$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=116 time=3.50 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=116 time=2.72 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=116 time=3.18 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=116 time=2.91 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=116 time=3.09 ms
^C
--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4006ms