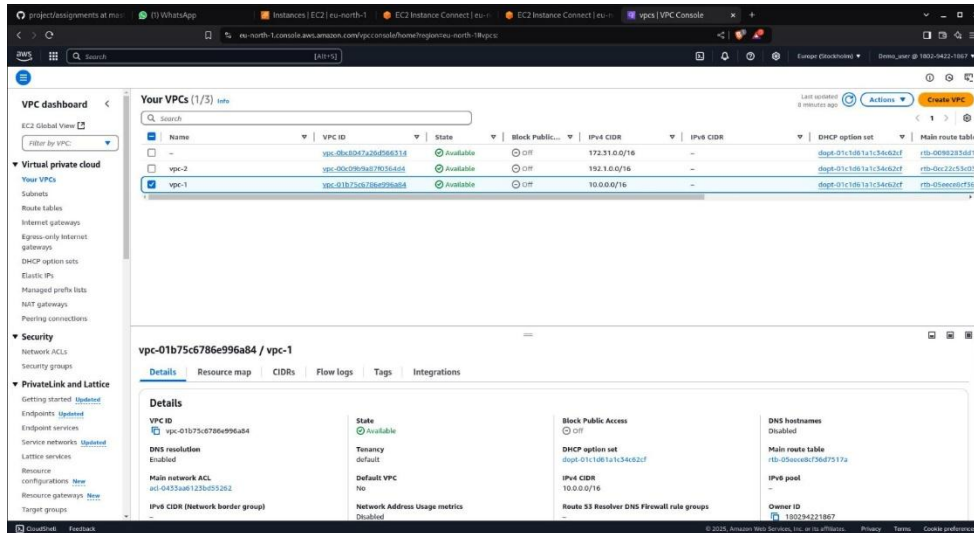


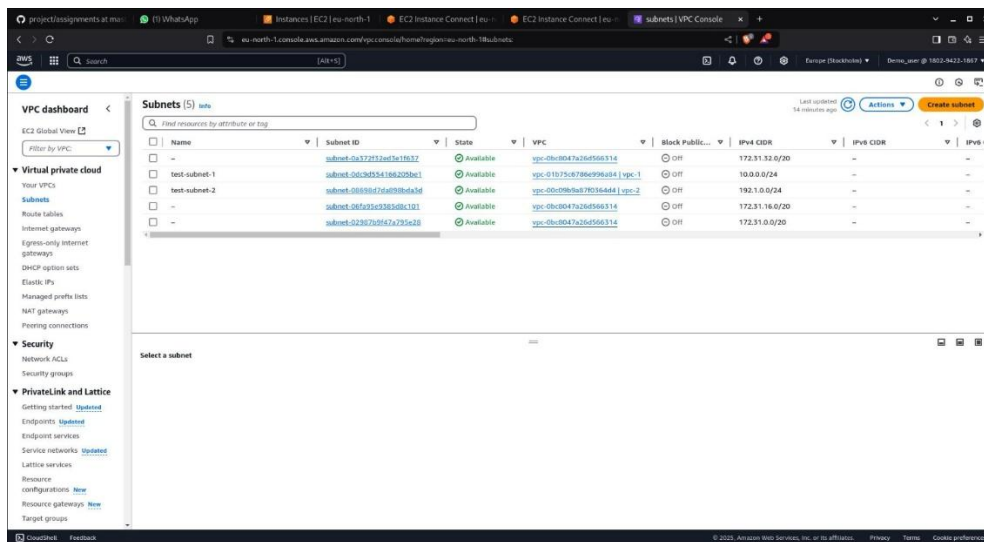
ASSIGNMENT 6

Task : create an peering between two vpc's and your Network access control list should be ICAM,SSH,HTTP and test the connection between 2 vpc's

⇒ Create 2 vpc's in same region

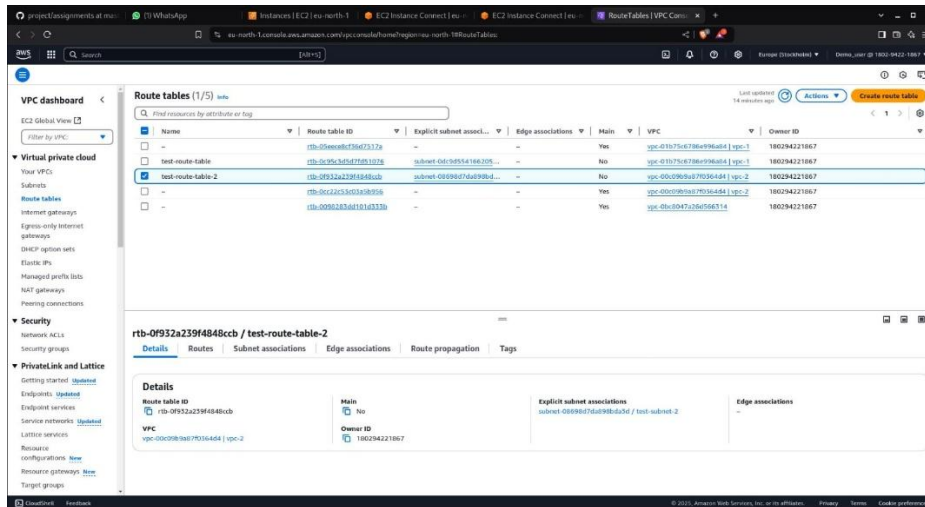


⇒ Then create private subnet in each vpc

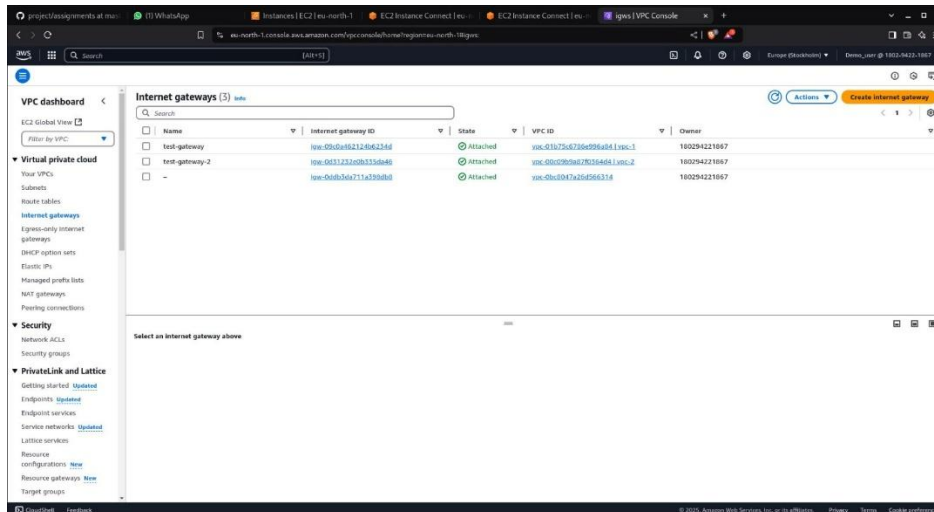


⇒ Then create route table for each subnet

ASSIGNMENT 6



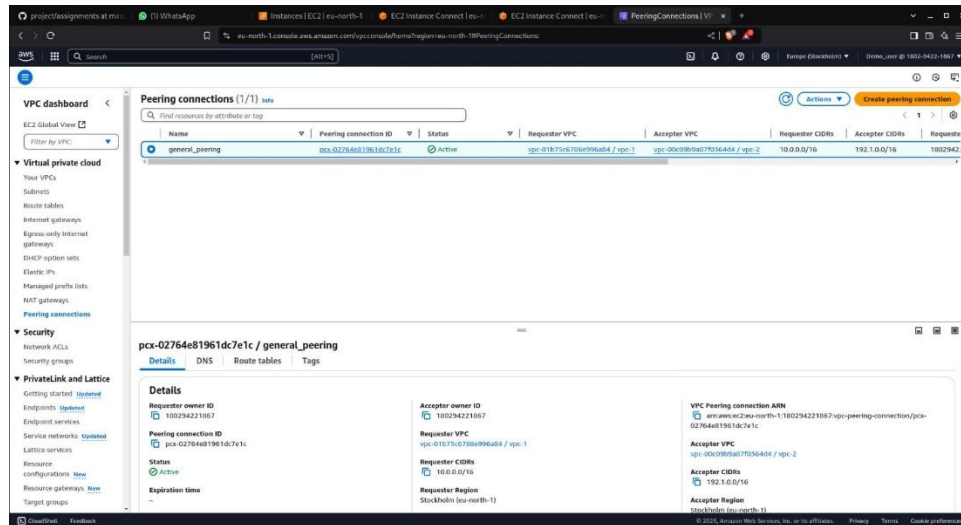
⇒ Also create internet gateway for each subnet so that they can communicate with peering



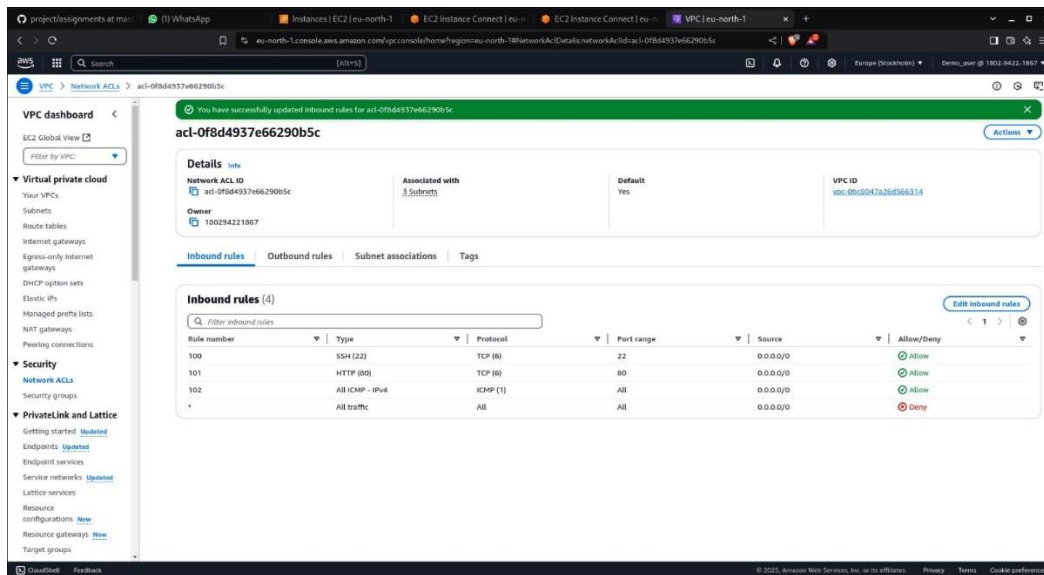
⇒ Create peering by following below step:

- First select vpc1 as requester
- And select vpc2 as acceptor
- Then create the peering connection and select the create peering and final accept request in peering

ASSIGNMENT 6



⇒ Now create an NACL as below



⇒ Now add this peering to both route table so that the internet gateway gets address of each subnets

⇒ Using ping of opposite vpc's we can see packet passing as below

⇒ Verification of first vpc

ASSIGNMENT 6

```
projectassignments at max: (f) WhatsApp
Instances | EC2 | eu-north-1 | EC2 Instance Connect | eu-north-1 | VPC | eu-north-1
eu-north-1.console.aws.amazon.com/ec2-instance-connect/home?region=eu-north-1&console=ec2-instance-connect-i-03f683e133adbce52...
[Alt+1]
Europe (Stockholm) | Demo_user @ 1802-9422-1887
64 bytes from 10.0.0.76: icmp_seq=9 ttl=127 time=0.215 ms
64 bytes from 10.0.0.76: icmp_seq=10 ttl=127 time=0.206 ms
64 bytes from 10.0.0.76: icmp_seq=11 ttl=127 time=0.179 ms
64 bytes from 10.0.0.76: icmp_seq=12 ttl=127 time=0.172 ms
64 bytes from 10.0.0.76: icmp_seq=13 ttl=127 time=0.139 ms
64 bytes from 10.0.0.76: icmp_seq=14 ttl=127 time=0.169 ms
64 bytes from 10.0.0.76: icmp_seq=15 ttl=127 time=0.167 ms
64 bytes from 10.0.0.76: icmp_seq=16 ttl=127 time=0.169 ms
64 bytes from 10.0.0.76: icmp_seq=17 ttl=127 time=0.163 ms
64 bytes from 10.0.0.76: icmp_seq=18 ttl=127 time=0.155 ms
64 bytes from 10.0.0.76: icmp_seq=19 ttl=127 time=0.239 ms
64 bytes from 10.0.0.76: icmp_seq=20 ttl=127 time=0.122 ms
64 bytes from 10.0.0.76: icmp_seq=21 ttl=127 time=0.187 ms
64 bytes from 10.0.0.76: icmp_seq=22 ttl=127 time=0.089 ms
64 bytes from 10.0.0.76: icmp_seq=23 ttl=127 time=0.219 ms
64 bytes from 10.0.0.76: icmp_seq=24 ttl=127 time=0.196 ms
64 bytes from 10.0.0.76: icmp_seq=25 ttl=127 time=0.151 ms
64 bytes from 10.0.0.76: icmp_seq=26 ttl=127 time=0.189 ms
64 bytes from 10.0.0.76: icmp_seq=27 ttl=127 time=0.184 ms
64 bytes from 10.0.0.76: icmp_seq=28 ttl=127 time=0.183 ms
64 bytes from 10.0.0.76: icmp_seq=29 ttl=127 time=0.174 ms
64 bytes from 10.0.0.76: icmp_seq=30 ttl=127 time=0.198 ms
64 bytes from 10.0.0.76: icmp_seq=31 ttl=127 time=0.179 ms
64 bytes from 10.0.0.76: icmp_seq=32 ttl=127 time=0.178 ms
64 bytes from 10.0.0.76: icmp_seq=33 ttl=127 time=0.161 ms
64 bytes from 10.0.0.76: icmp_seq=34 ttl=127 time=0.168 ms
64 bytes from 10.0.0.76: icmp_seq=35 ttl=127 time=0.269 ms
64 bytes from 10.0.0.76: icmp_seq=36 ttl=127 time=0.187 ms
64 bytes from 10.0.0.76: icmp_seq=37 ttl=127 time=0.189 ms
^C
--- 10.0.0.76 ping statistics ---
17 packets transmitted, 17 received, 0% packet loss, time 37424ms
rtt min/avg/max/mdev = 0.130/0.212/0.886/0.126 ms
[ec2-user@ip-102-1-0-196 ~]$ ping 10.0.0.76
PING 10.0.0.76 (10.0.0.76) 64(84) bytes of data:
64 bytes from 10.0.0.76: icmp_seq=1 ttl=127 time=0.183 ms
64 bytes from 10.0.0.76: icmp_seq=2 ttl=127 time=0.171 ms
^C
--- 10.0.0.76 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1005ms
rtt min/avg/max/mdev = 0.163/0.167/0.171/0.004 ms
[ec2-user@ip-102-1-0-196 ~]$

i-03f683e133adbce52 (vpc1-ec2)
PublicIPs: 13.43.135.236 PrivateIPs: 192.1.0.196
```

⇒ Verification of second vpc

```
projectassignments at max: (f) WhatsApp
Instances | EC2 | eu-north-1 | EC2 Instance Connect | eu-north-1 | VPC | eu-north-1
eu-north-1.console.aws.amazon.com/ec2-instance-connect/home?region=eu-north-1&console=ec2-instance-connect-i-09511a8775a4b1c2...
[Alt+1]
Europe (Stockholm) | Demo_user @ 1802-9422-1887
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Wed Mar 19 14:24:26 2025 from 13.48.4.282
[ec2-user@ip-10-0-0-76 ~]$ ping 192.1.0.196
PING 192.1.0.196 (192.1.0.196) 64(84) bytes of data:
64 bytes from 192.1.0.196: icmp_seq=1 ttl=127 time=0.179 ms
64 bytes from 192.1.0.196: icmp_seq=2 ttl=127 time=0.172 ms
64 bytes from 192.1.0.196: icmp_seq=3 ttl=127 time=0.176 ms
64 bytes from 192.1.0.196: icmp_seq=4 ttl=127 time=0.176 ms
^C
--- 192.1.0.196 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3150ms
rtt min/avg/max/mdev = 0.171/0.175/0.179/0.003 ms
[ec2-user@ip-10-0-0-76 ~]$ ping 192.1.0.196
PING 192.1.0.196 (192.1.0.196) 64(84) bytes of data:
64 bytes from 192.1.0.196: icmp_seq=1 ttl=127 time=0.169 ms
64 bytes from 192.1.0.196: icmp_seq=2 ttl=127 time=0.164 ms
64 bytes from 192.1.0.196: icmp_seq=3 ttl=127 time=0.175 ms
^C
--- 192.1.0.196 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2842ms
rtt min/avg/max/mdev = 0.164/0.075/1.086/0.714 ms
[ec2-user@ip-10-0-0-76 ~]$

i-09511a8775a4b1c2 (vpc1-ec2)
PublicIPs: 13.53.243.0 PrivateIPs: 10.0.0.76
```