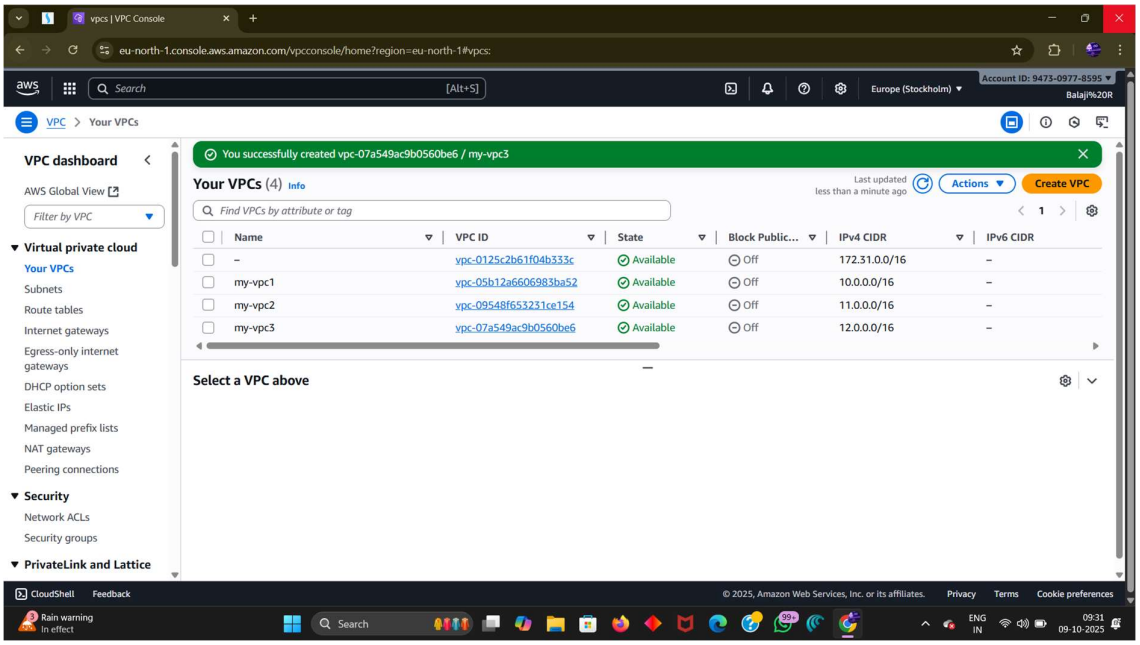
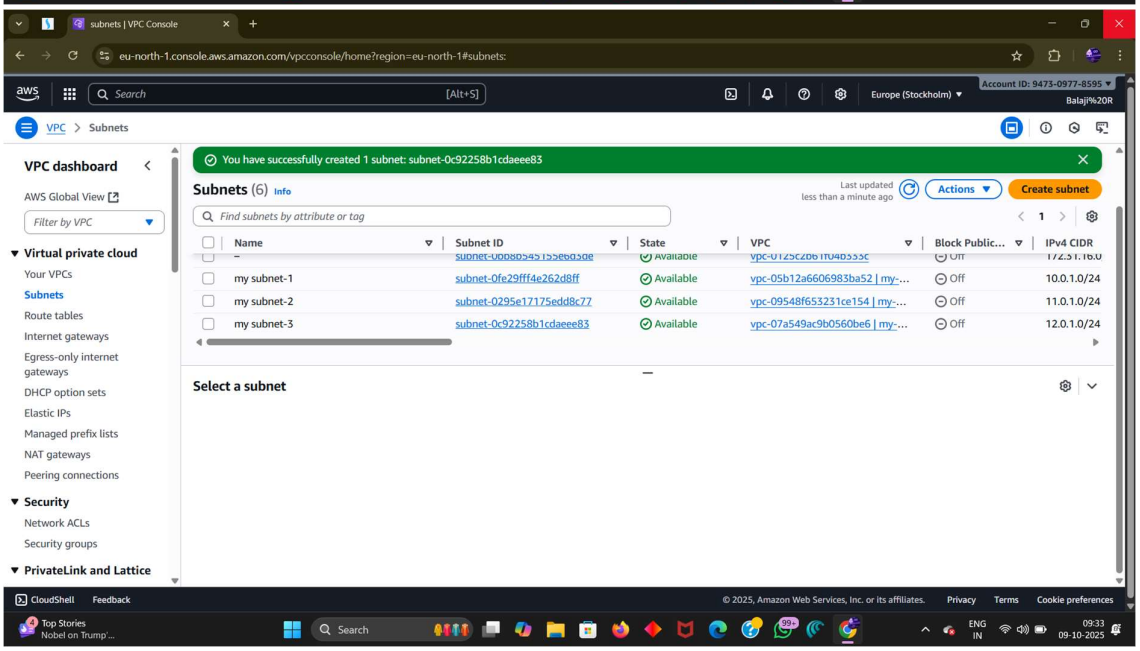
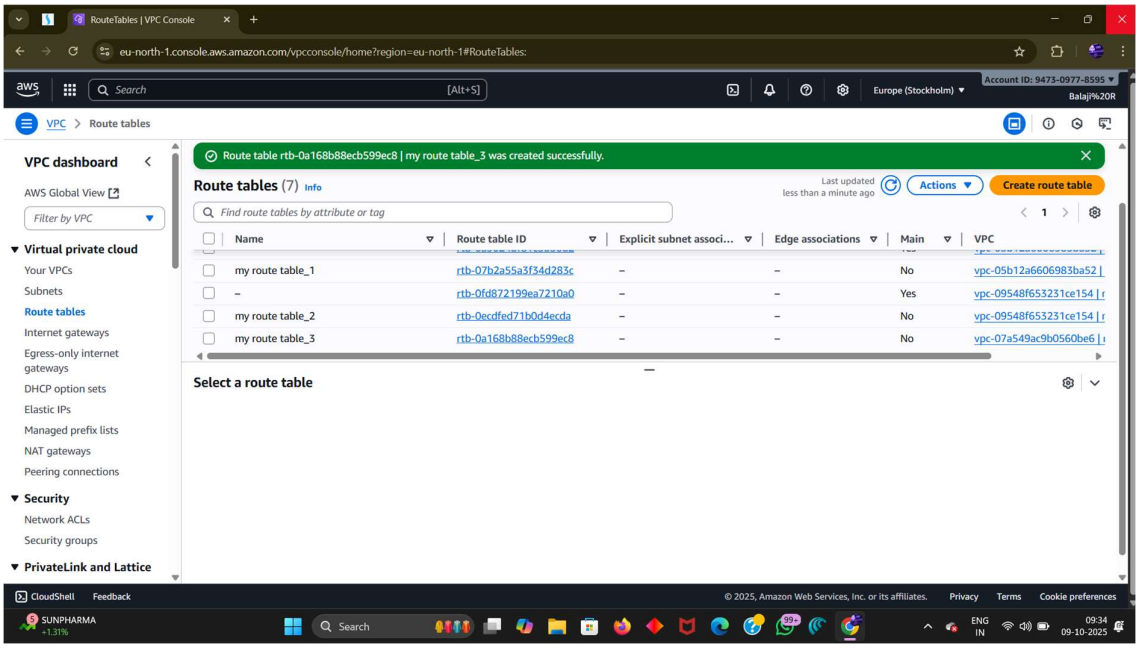
TRANSIST GATEWAY

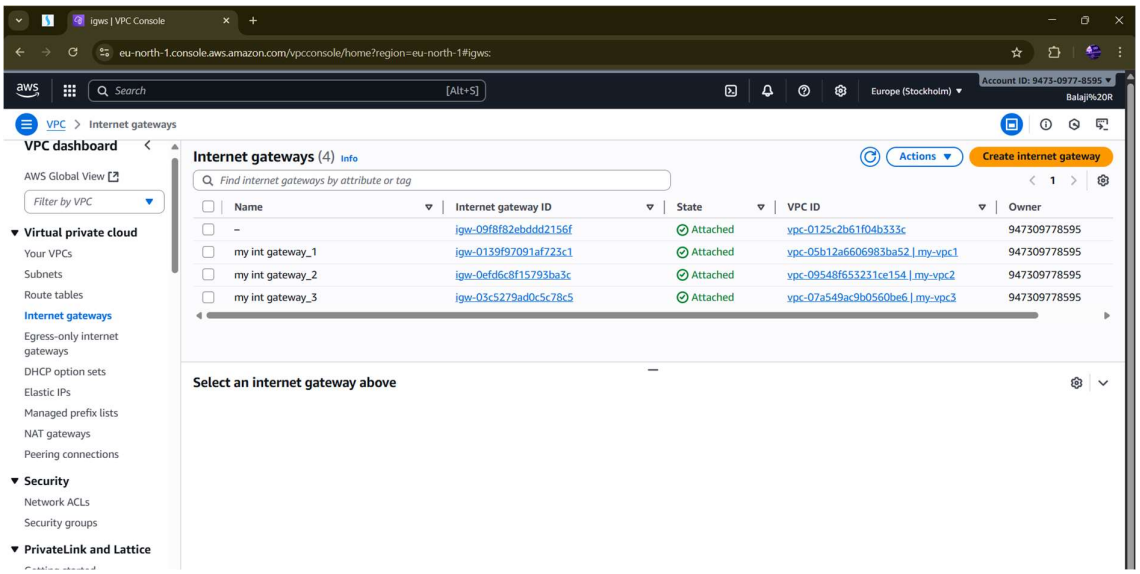
Created 3 vpc and 3 subnet



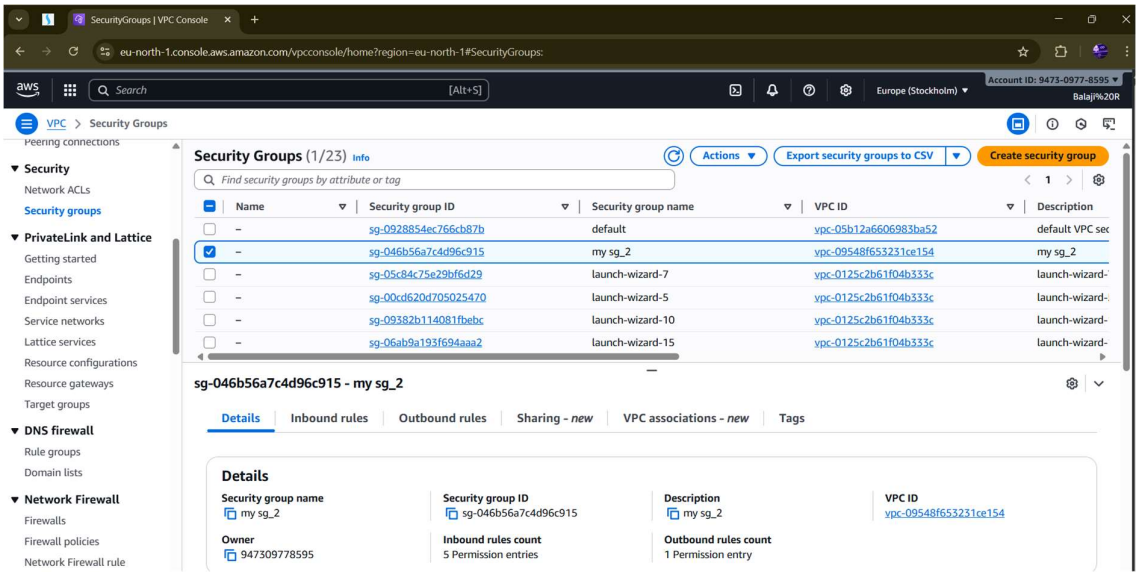


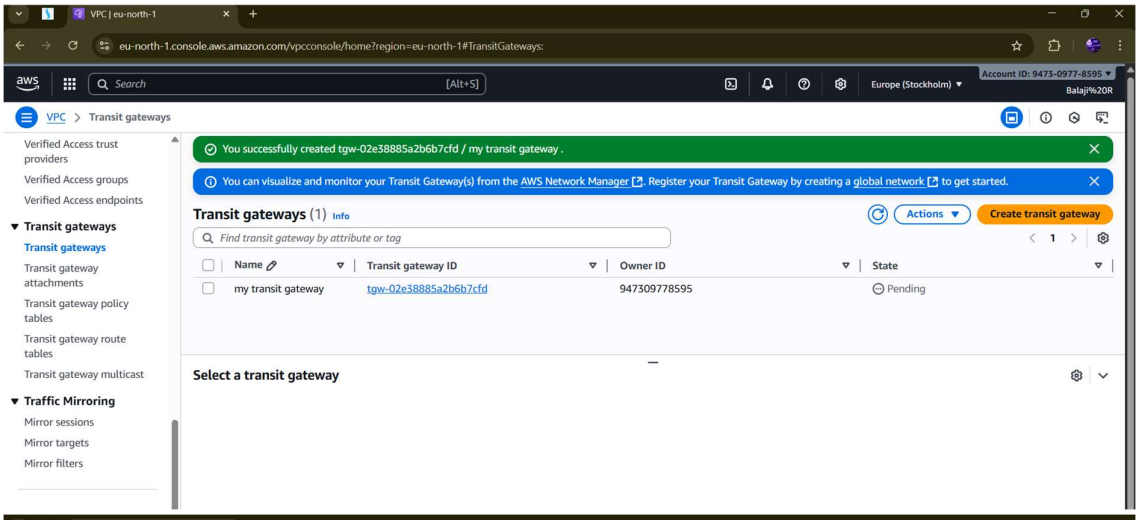
Create 3 routetables and 3 internet gateway

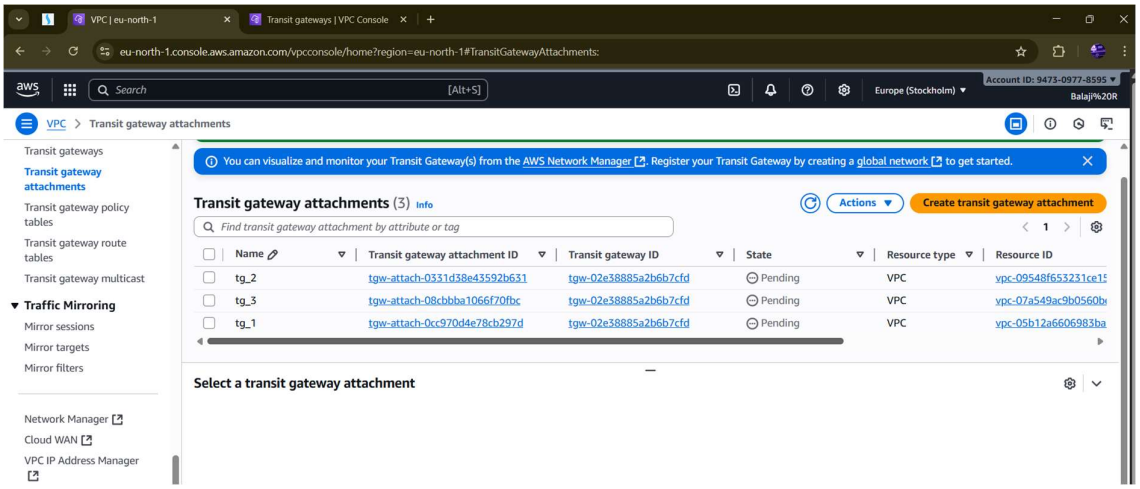




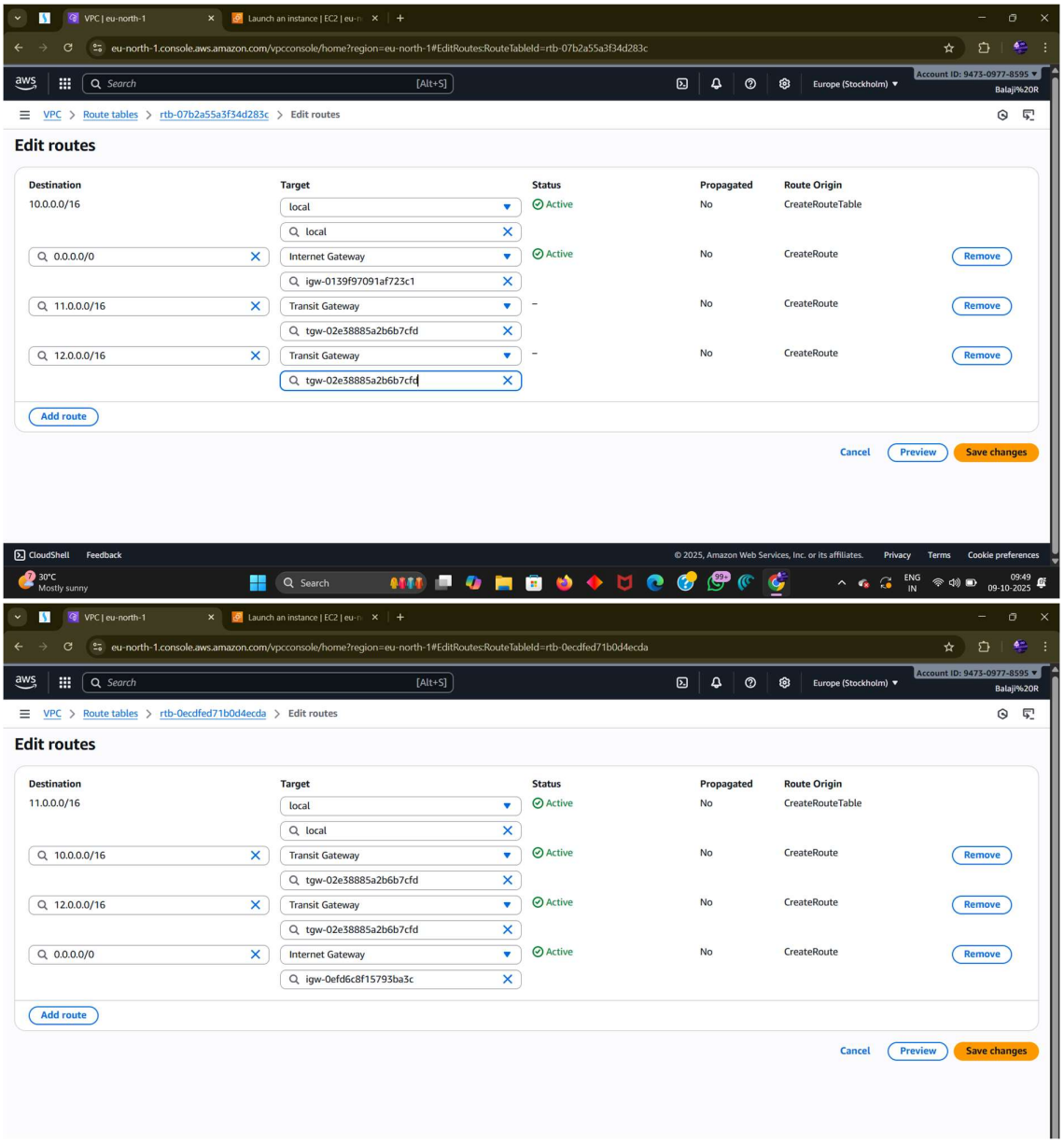
Create 3 security group and create transit gateway and create the 3 attachment



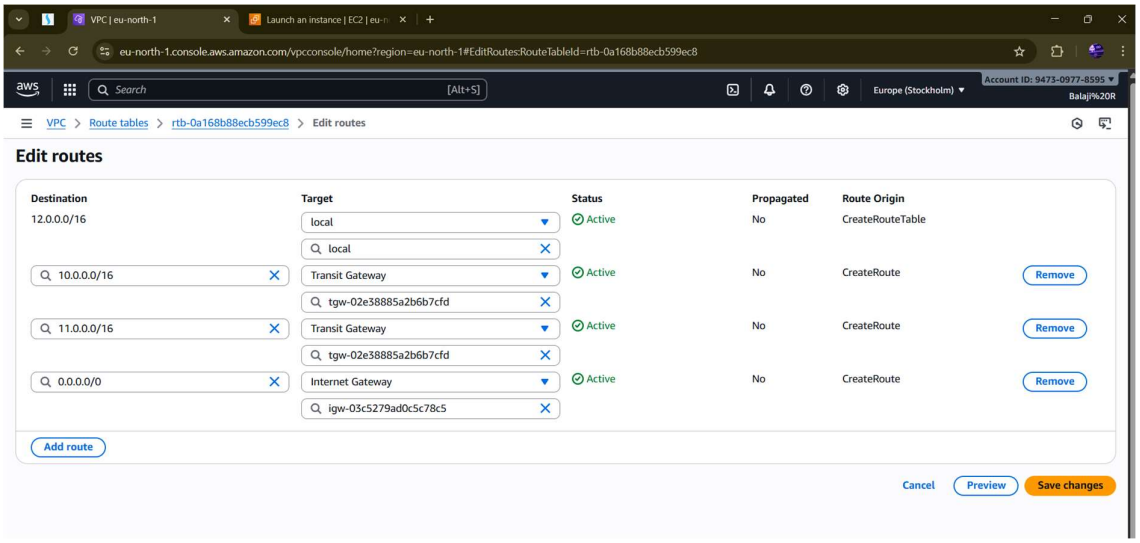




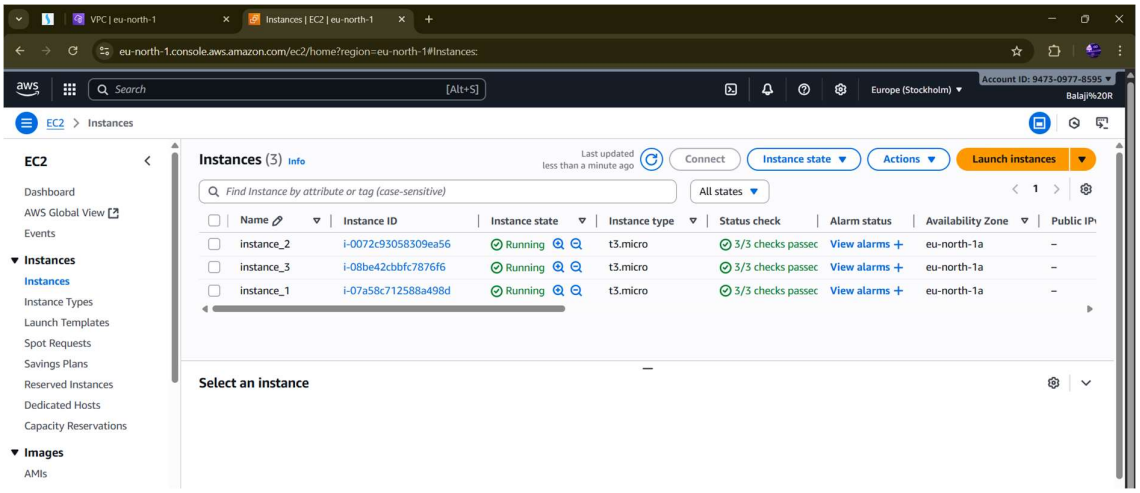
Now go to routes and edit routes type the range of exsisting ip and add transitgateway like do for all 3 routes


VPC | eu-north-1
Launch an instance | EC2 | eu-n
eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#EditRoutes:RouteTableId=rtb-07b2a55a3f34d283c
Search
[Alt+S]
Europe (Stockholm)
Account ID: 9473-0977-8595
Balaji%20R
VPC > Route tables > rtb-07b2a55a3f34d283c > Edit routes
Edit routes
Destination
Target
Status
Propagated
Route Origin
10.0.0.0/16
local
Active
No
CreateRouteTable
local
0.0.0.0/0
Internet Gateway
Active
No
CreateRoute
Remove
igw-0139f97091af723c1
11.0.0.0/16
Transit Gateway
–
No
CreateRoute
Remove
tgw-02e38885a2b6b7cfd
12.0.0.0/16
Transit Gateway
–
No
CreateRoute
Remove
tgw-02e38885a2b6b7cfd
Add route
Cancel
Preview
Save changes
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
30°C
Mostly sunny
Search
ENG
IN
09:49
09-10-2025

VPC | eu-north-1
Launch an instance | EC2 | eu-n
eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#EditRoutes:RouteTableId=rtb-0ecdfed71b0d4ecda
Search
[Alt+S]
Europe (Stockholm)
Account ID: 9473-0977-8595
Balaji%20R
VPC > Route tables > rtb-0ecdfed71b0d4ecda > Edit routes
Edit routes
Destination
Target
Status
Propagated
Route Origin
11.0.0.0/16
local
Active
No
CreateRouteTable
local
10.0.0.0/16
Transit Gateway
Active
No
CreateRoute
Remove
tgw-02e38885a2b6b7cfd
12.0.0.0/16
Transit Gateway
Active
No
CreateRoute
Remove
tgw-02e38885a2b6b7cfd
0.0.0.0/0
Internet Gateway
Active
No
CreateRoute
Remove
igw-0efd6c8f15793ba3c
Add route
Cancel
Preview
Save changes



Now create 3 instance

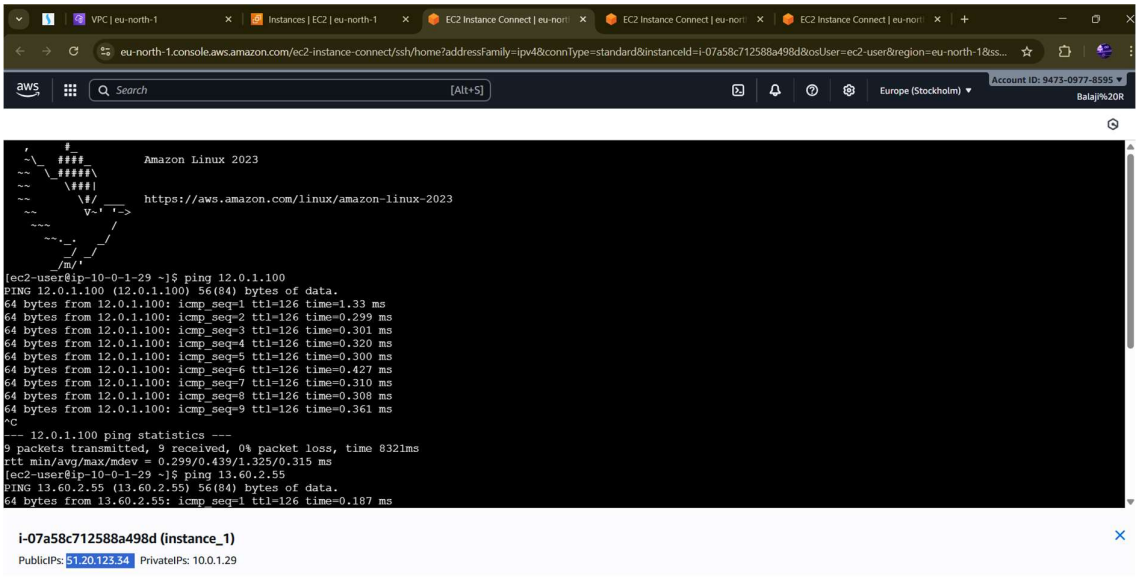


Connet all 3 instance and type ping in instance 1 add paste instance 3 and instance 2 ip add now you see the output like do for 2nd and 3rd instance for 2nd instance try first instance ip or 3rd instance ip to see the result like do for 3rd instance

```
64 bytes from 13.60.2.55: icmp_seq=5 ttl=126 time=0.206 ms
^C
--- 13.60.2.55 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4158ms
rtt min/avg/max/mdev = 0.187/0.228/0.283/0.033 ms
[ec2-user@ip-10-0-1-29 ~]$ ping 13.60.242.198
PING 13.60.242.198 (13.60.242.198) 56(84) bytes of data.
64 bytes from 13.60.242.198: icmp_seq=1 ttl=126 time=0.266 ms
64 bytes from 13.60.242.198: icmp_seq=2 ttl=126 time=0.194 ms
64 bytes from 13.60.242.198: icmp_seq=3 ttl=126 time=0.238 ms
64 bytes from 13.60.242.198: icmp_seq=4 ttl=126 time=0.255 ms
64 bytes from 13.60.242.198: icmp_seq=5 ttl=126 time=0.194 ms
64 bytes from 13.60.242.198: icmp_seq=6 ttl=126 time=0.191 ms
^C
--- 13.60.242.198 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5188ms
rtt min/avg/max/mdev = 0.191/0.223/0.266/0.031 ms
[ec2-user@ip-10-0-1-29 ~]$
```

i-07a58c712588a498d (instance_1)

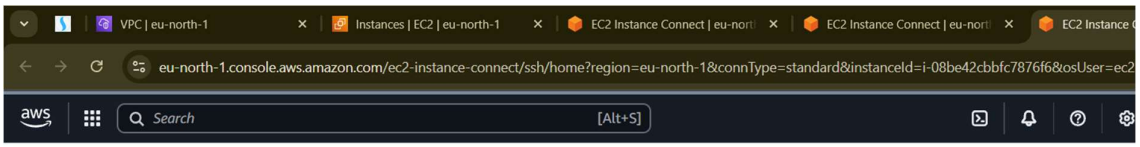
PublicIPs: 51.20.123.34 PrivateIPs: 10.0.1.29




```
       _/m/'
[ec2-user@ip-11-0-1-241 ~]$ ping 51.20.123.34
PING 51.20.123.34 (51.20.123.34) 56(84) bytes of data.
64 bytes from 51.20.123.34: icmp_seq=1 ttl=126 time=0.187 ms
64 bytes from 51.20.123.34: icmp_seq=2 ttl=126 time=0.190 ms
64 bytes from 51.20.123.34: icmp_seq=3 ttl=126 time=0.200 ms
64 bytes from 51.20.123.34: icmp_seq=4 ttl=126 time=0.197 ms
64 bytes from 51.20.123.34: icmp_seq=5 ttl=126 time=0.233 ms
^C
--- 51.20.123.34 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4197ms
rtt min/avg/max/mdev = 0.187/0.201/0.233/0.016 ms
[ec2-user@ip-11-0-1-241 ~]$ ping 13.60.2.55
PING 13.60.2.55 (13.60.2.55) 56(84) bytes of data.
64 bytes from 13.60.2.55: icmp_seq=1 ttl=126 time=0.254 ms
64 bytes from 13.60.2.55: icmp_seq=2 ttl=126 time=0.196 ms
64 bytes from 13.60.2.55: icmp_seq=3 ttl=126 time=0.212 ms
64 bytes from 13.60.2.55: icmp_seq=4 ttl=126 time=0.190 ms
64 bytes from 13.60.2.55: icmp_seq=5 ttl=126 time=0.203 ms
64 bytes from 13.60.2.55: icmp_seq=6 ttl=126 time=0.214 ms
64 bytes from 13.60.2.55: icmp_seq=7 ttl=126 time=0.205 ms
64 bytes from 13.60.2.55: icmp_seq=8 ttl=126 time=0.200 ms
64 bytes from 13.60.2.55: icmp_seq=9 ttl=126 time=0.194 ms
64 bytes from 13.60.2.55: icmp_seq=10 ttl=126 time=0.187 ms
^C
--- 13.60.2.55 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9351ms
rtt min/avg/max/mdev = 0.187/0.205/0.254/0.018 ms
```

i-0072c93058309ea56 (instance_2)

PublicIPs: 13.60.242.198 PrivateIPs: 11.0.1.241




```
       _/ _/
     _/m/'
[ec2-user@ip-12-0-1-100 ~]$ ping 51.20.123.34
PING 51.20.123.34 (51.20.123.34) 56(84) bytes of data.
64 bytes from 51.20.123.34: icmp_seq=1 ttl=126 time=0.218 ms
64 bytes from 51.20.123.34: icmp_seq=2 ttl=126 time=0.218 ms
64 bytes from 51.20.123.34: icmp_seq=3 ttl=126 time=0.217 ms
64 bytes from 51.20.123.34: icmp_seq=4 ttl=126 time=0.353 ms
64 bytes from 51.20.123.34: icmp_seq=5 ttl=126 time=0.210 ms
64 bytes from 51.20.123.34: icmp_seq=6 ttl=126 time=0.212 ms
^C
--- 51.20.123.34 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5212ms
rtt min/avg/max/mdev = 0.210/0.238/0.353/0.051 ms
[ec2-user@ip-12-0-1-100 ~]$ ping 13.60.242.198
PING 13.60.242.198 (13.60.242.198) 56(84) bytes of data.
64 bytes from 13.60.242.198: icmp_seq=1 ttl=126 time=0.195 ms
64 bytes from 13.60.242.198: icmp_seq=2 ttl=126 time=0.279 ms
64 bytes from 13.60.242.198: icmp_seq=3 ttl=126 time=0.195 ms
64 bytes from 13.60.242.198: icmp_seq=4 ttl=126 time=0.198 ms
64 bytes from 13.60.242.198: icmp_seq=5 ttl=126 time=0.286 ms
64 bytes from 13.60.242.198: icmp_seq=6 ttl=126 time=0.330 ms
64 bytes from 13.60.242.198: icmp_seq=7 ttl=126 time=0.204 ms
^C
--- 13.60.242.198 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6256ms
rtt min/avg/max/mdev = 0.195/0.241/0.330/0.051 ms
[ec2-user@ip-12-0-1-100 ~]$
```

i-08be42cbbfc7876f6 (instance_3)

PublicIPs: 13.60.2.55 PrivateIPs: 12.0.1.100