Multi-Account Network Integration Lab with AWS TGW & RAM

Project Summary: Multi-Account Network Integration with AWS Transit Gateway & RAM

In this lab, I designed and implemented a centralized multi-account network architecture across three AWS accounts using AWS Transit Gateway (TGW) and AWS Resource Access Manager (RAM).
A total of six VPCs (two in each account) were deployed with isolated networks, public/private subnets, route tables, and EC2 instances for connectivity validation.

A single TGW was created in the management account, and then securely shared with the other two accounts using AWS RAM. Each account attached its VPCs to this shared TGW, forming a hub-and-spoke architecture for cross-account communication.

Routing was configured at both TGW level (propagation) and VPC level (route tables), enabling seamless private network connectivity between all VPCs across accounts without any VPC peering or public internet exposure.

Key Outcomes

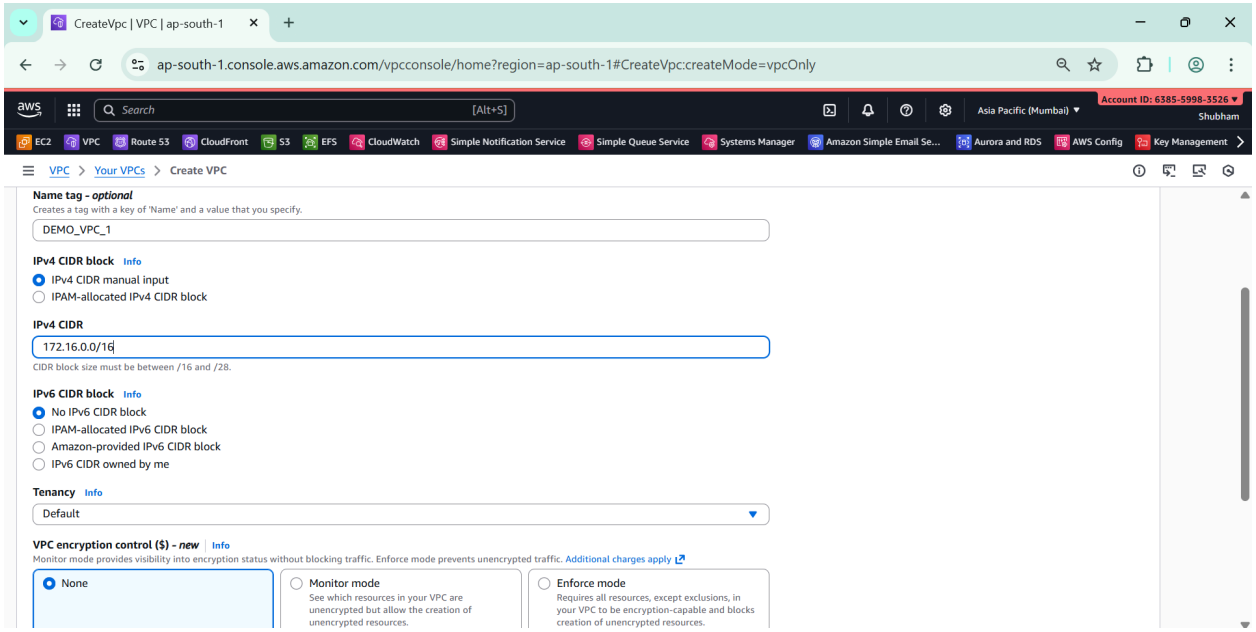
- **Successfully built a multi-account, multi-VPC private network using AWS Transit Gateway.**

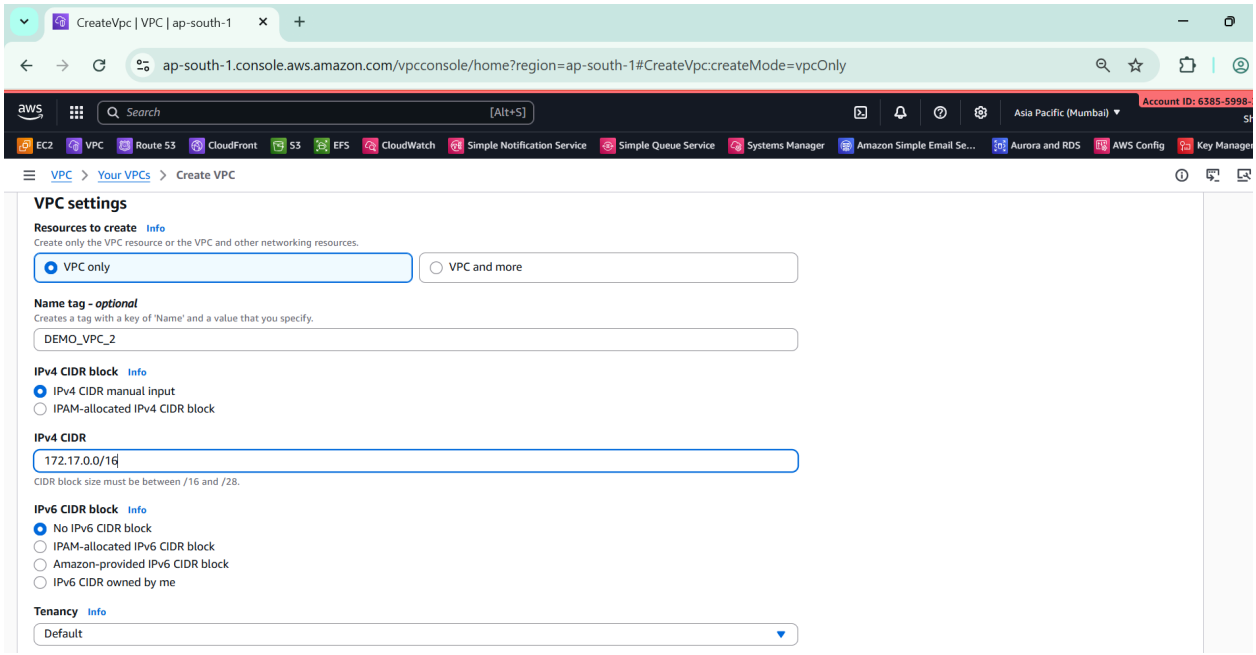
- **Enabled secure cross-account connectivity using AWS Resource Access Manager (RAM).**

- **Established a full-mesh private network across:**
    - **3 AWS accounts**
    - **6 VPCs**
    - **6 EC2 instances**
- **Verified end-to-end connectivity via private IP between all instances.**
- **Demonstrated TGW features:**
    - **VPC attachments**
    - **Route table propagation**
    - **Cross-account sharing**
    - **Centralized hub-and-spoke routing**
- **Eliminated the complexity of VPC peering (no need for 15+ peering links).**
- **Gained hands-on experience designing scalable, enterprise-grade network architecture.**
- **Validated routing behavior, security groups, and isolation before/after TGW integration.**

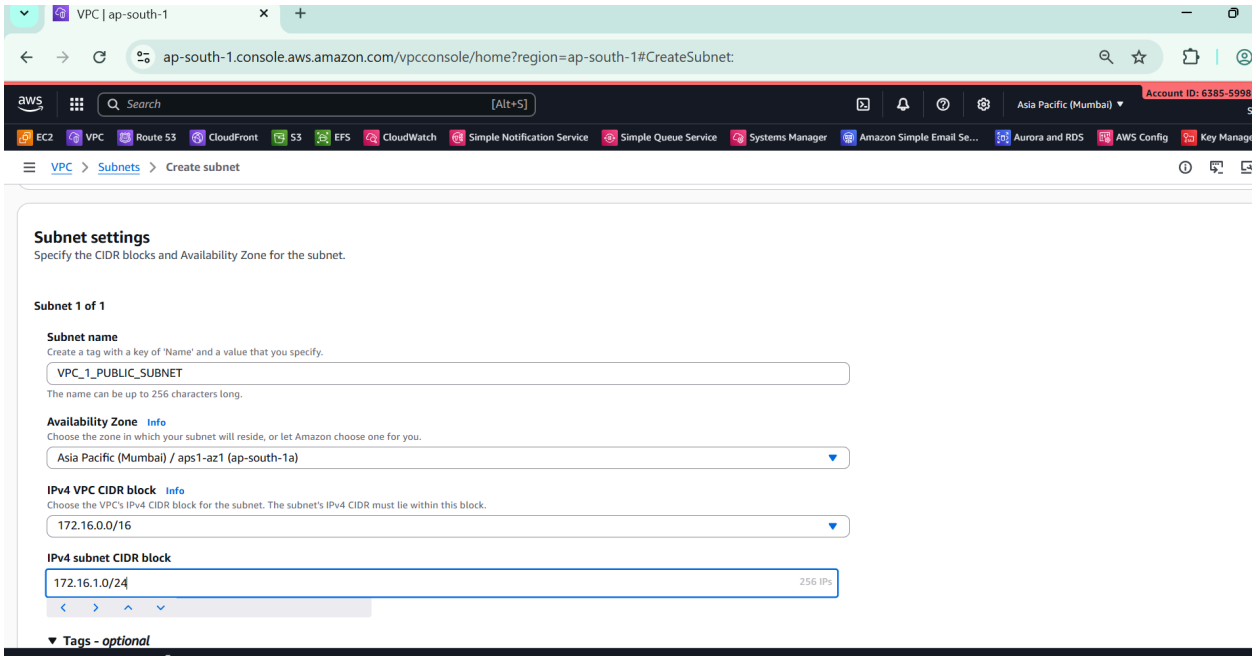
Services Used:
VPC, Subnets, Route Tables, IGW, EC2, Security Groups, Transit Gateway, RAM, AWS Organizations, IAM.

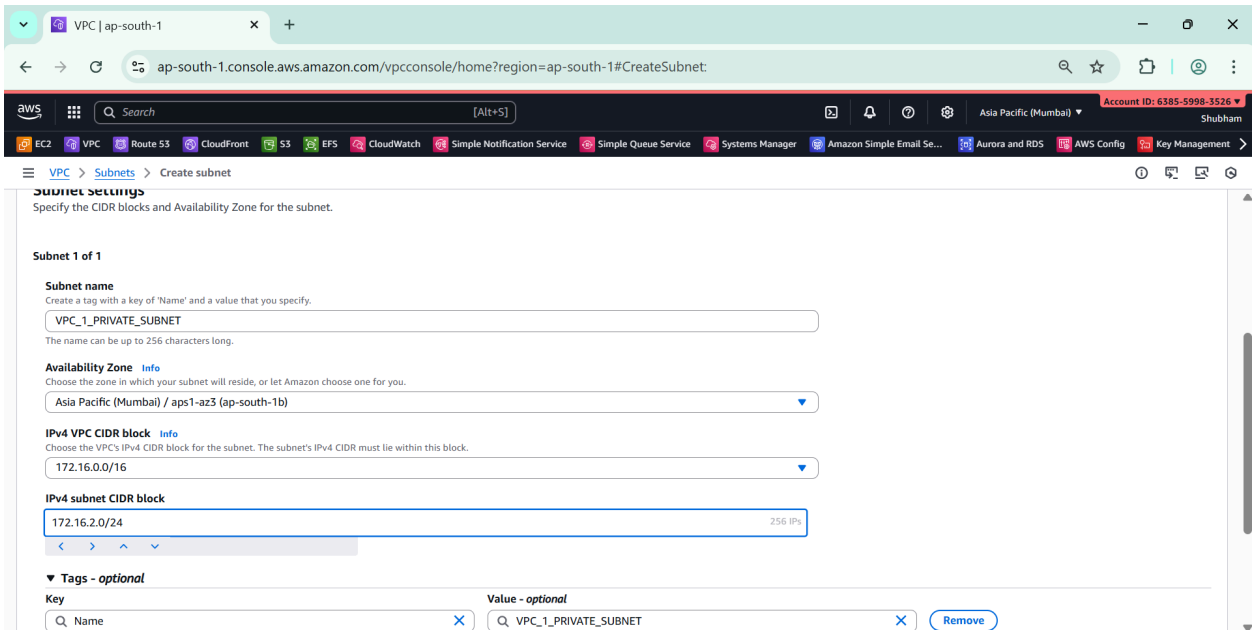
Step 1) We will create Two Vpcs in Mumbai region with cidr 172.16.0.0/16 and 172.17.0.0/16



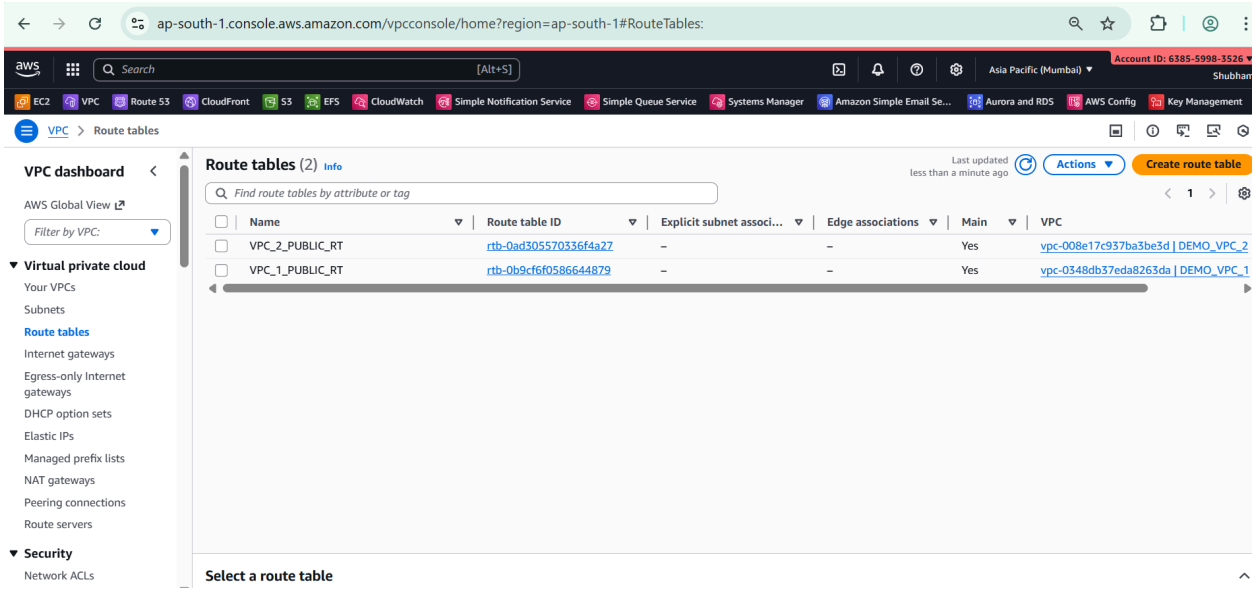


Step 2) We will create 1 public and 1 private subnets in Vpc 1 with cidr block as 172.16.1.0/24 adn 172.16.2.0/24.

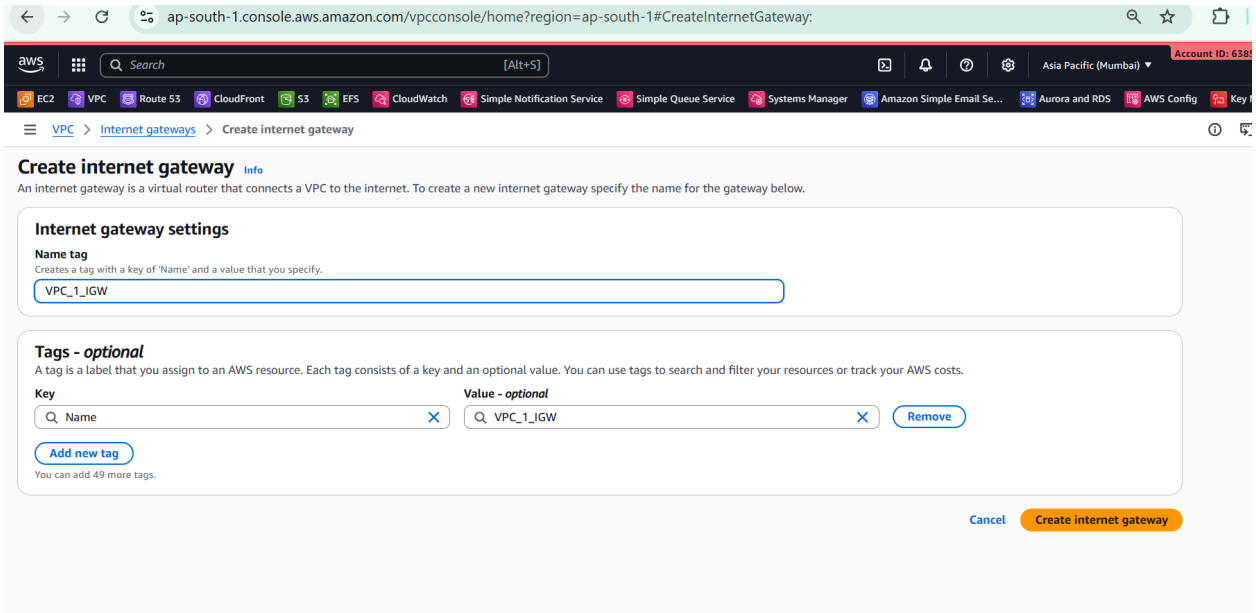




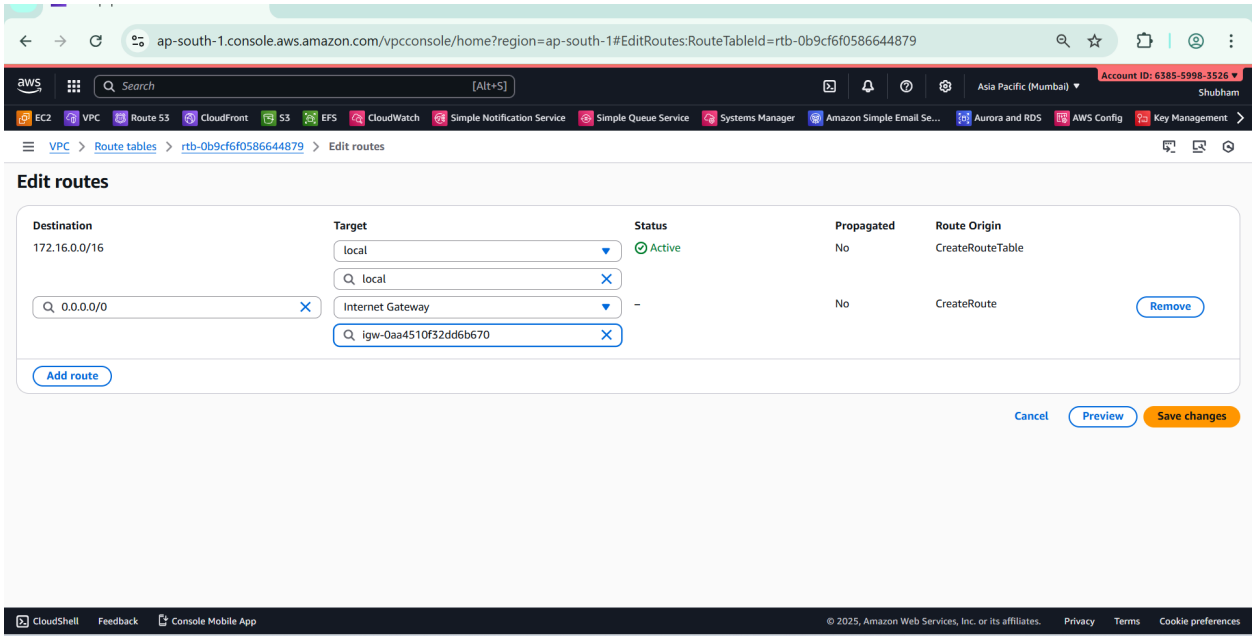
Step 3) We can see public route tables for both vpc 1 and vpc 2.



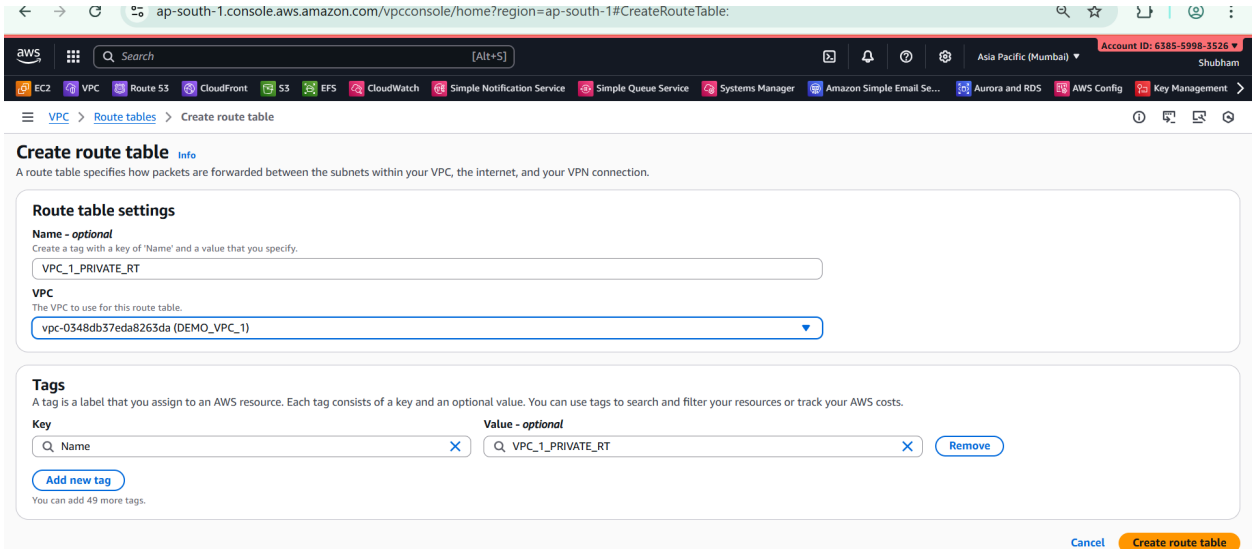
Step 4) We will create internet gateway and attach it to Vpc1.



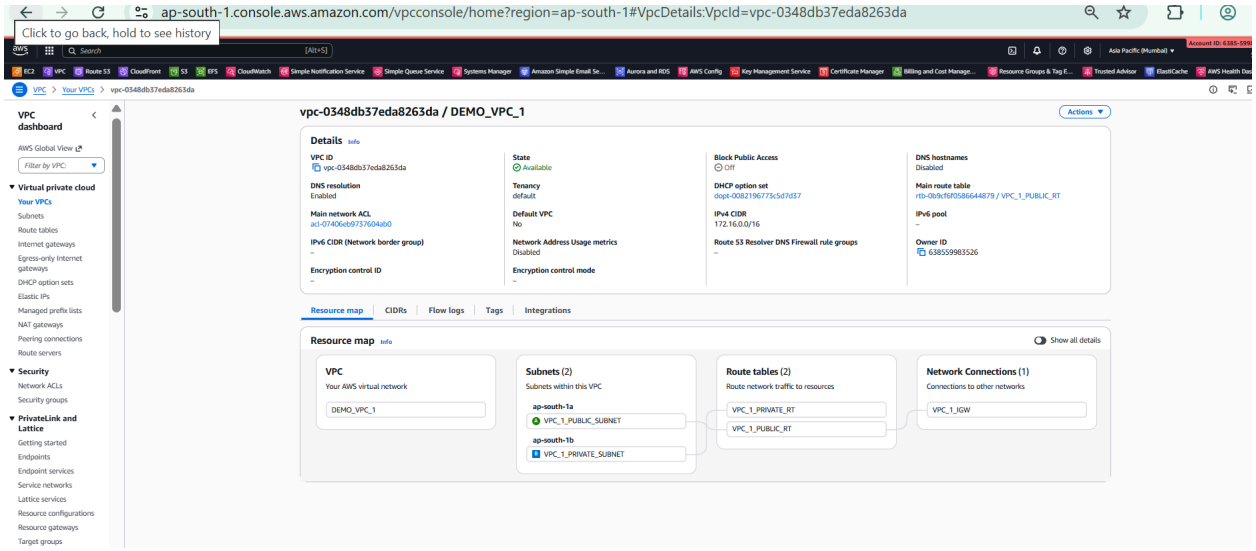
Step 5) We will add route for internet in vpc1 public route table



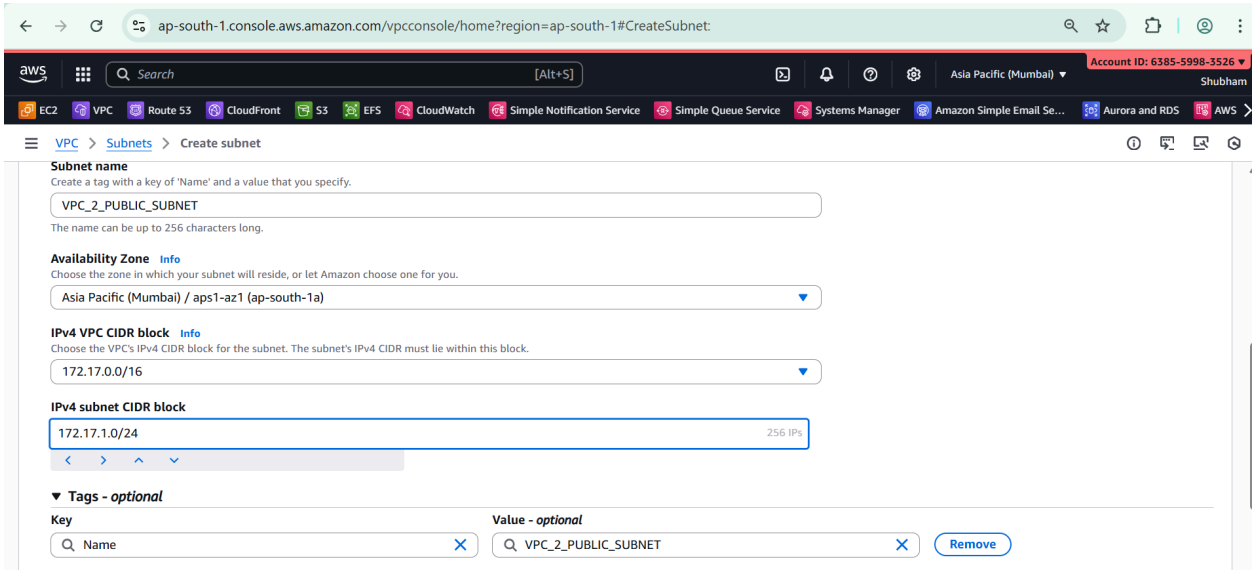
Step 6) We will create route table for private subnet.

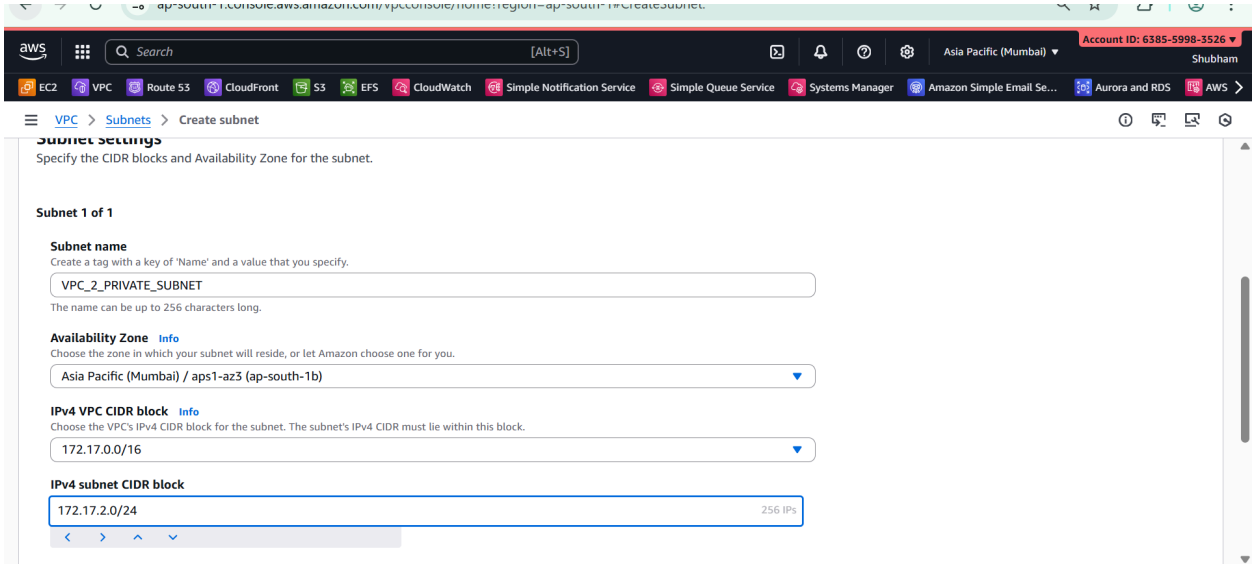


Step 7) We can see all resources for vpc1 has been configured below.

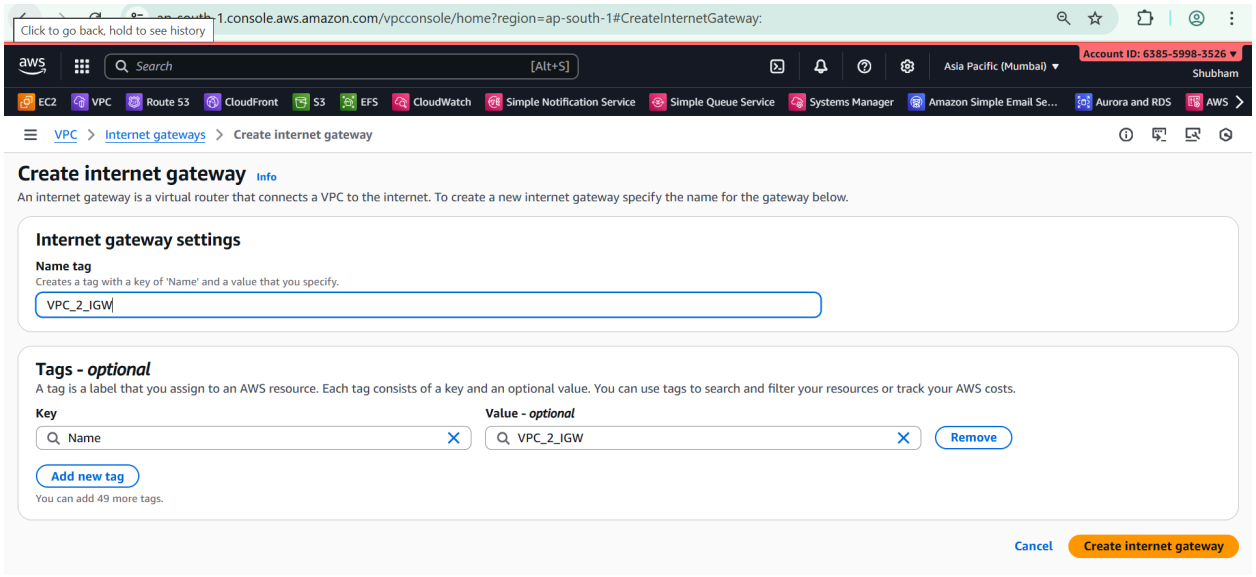


Step 8) Similarily we will create subnets for vpc2 now with cidr block as 172.17.1.0/16 and 172.17.2.0./16

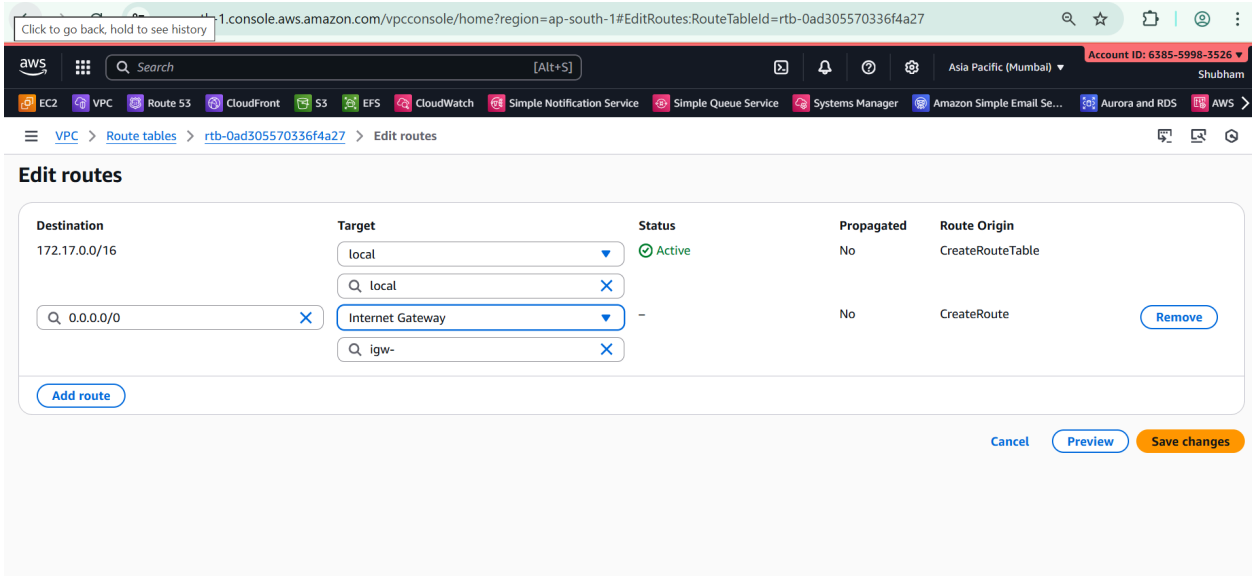




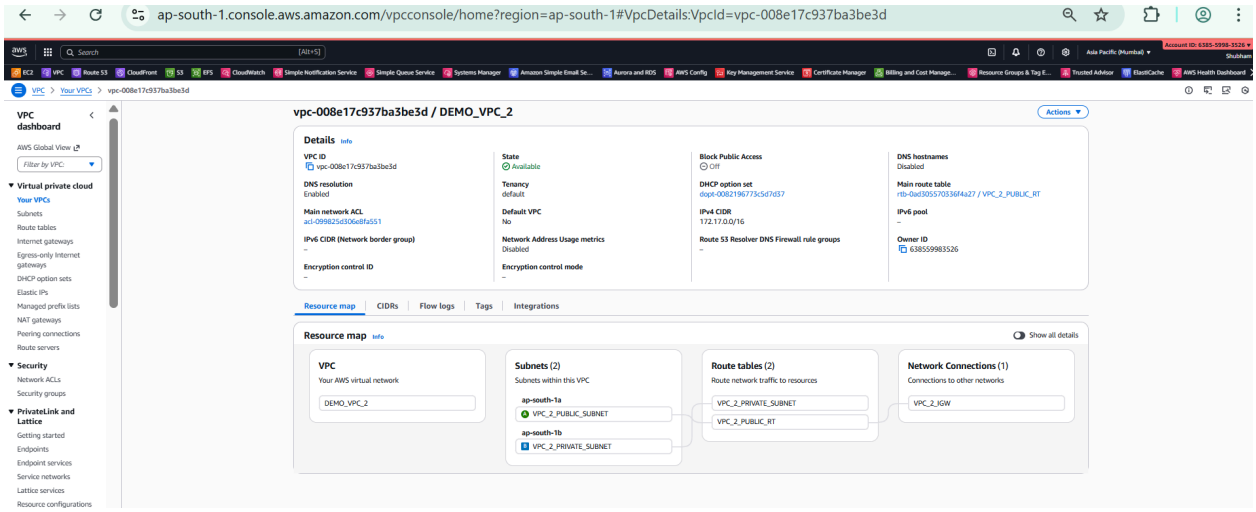
Step 9) We will create again Internet gateway and attach it to vpc2.



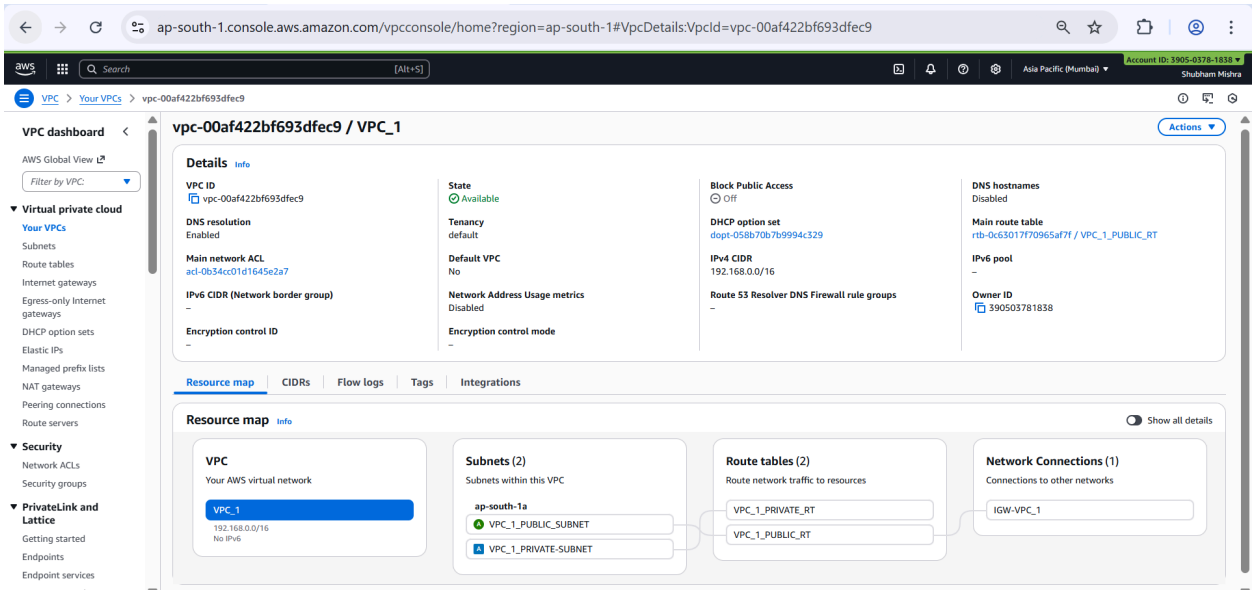
Step 10) We will add this internet route in public route table and we will create private route table as well.

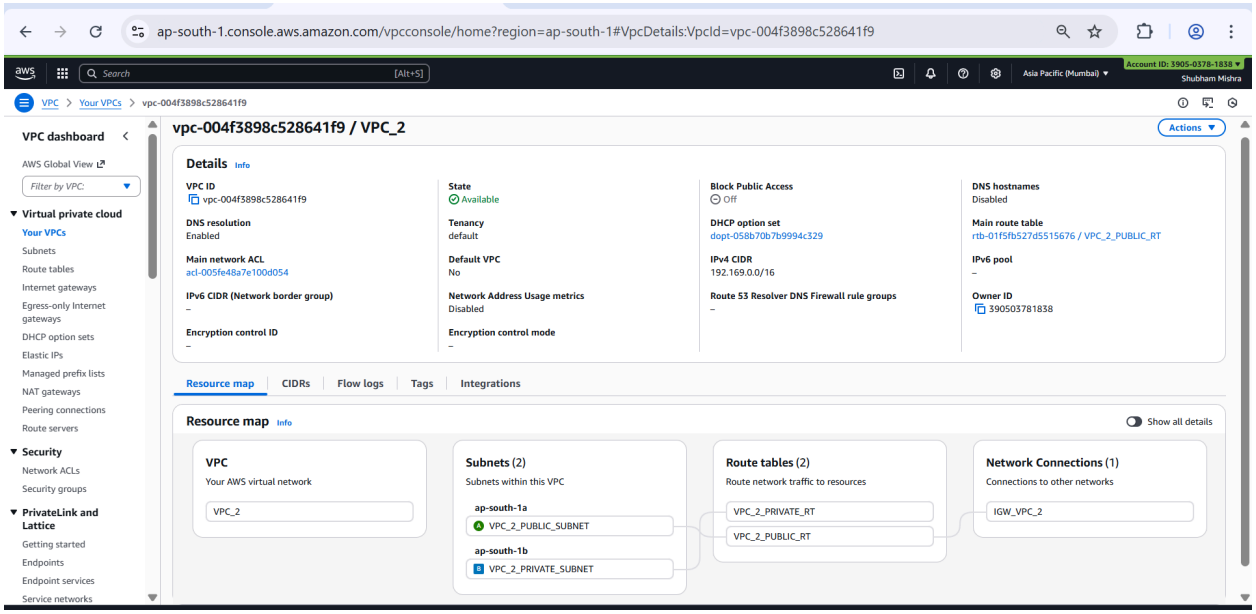


Step 11) We can confirm again all resources for vpc2 has been setup correctly.

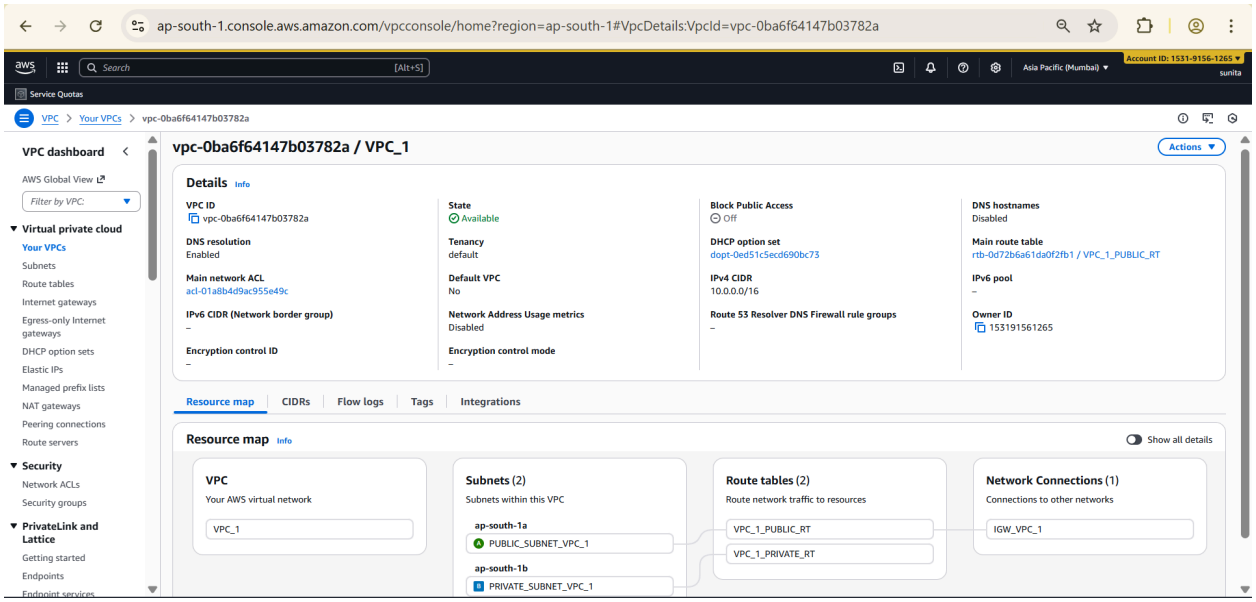


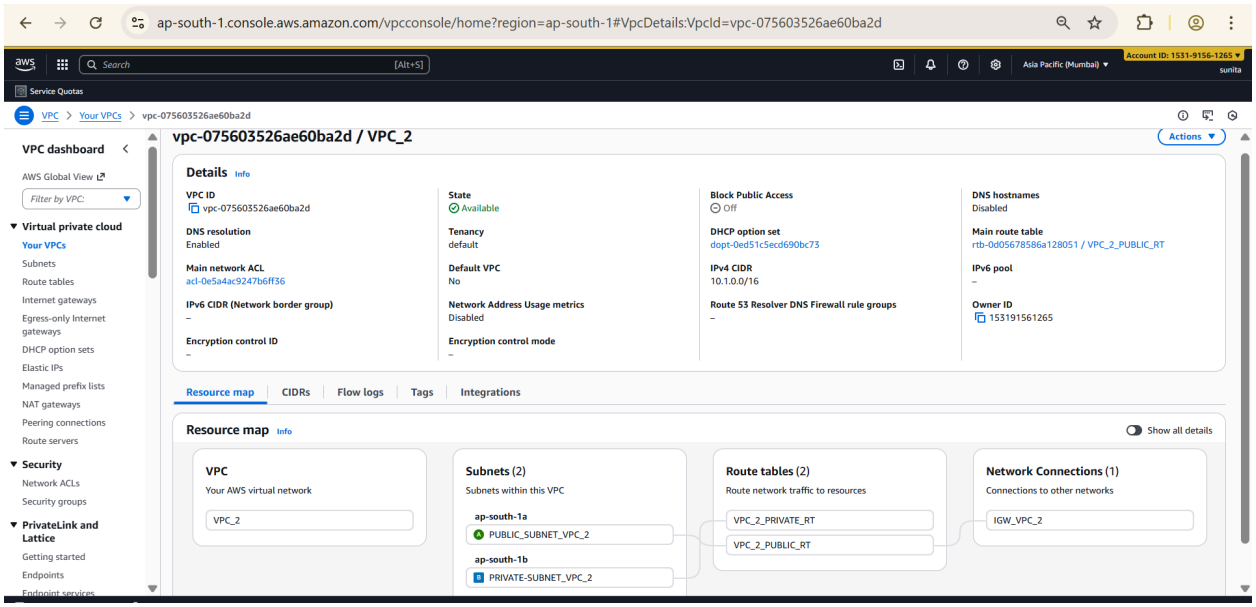
Step 12) Similarily we will create two more vpcs in account 2.



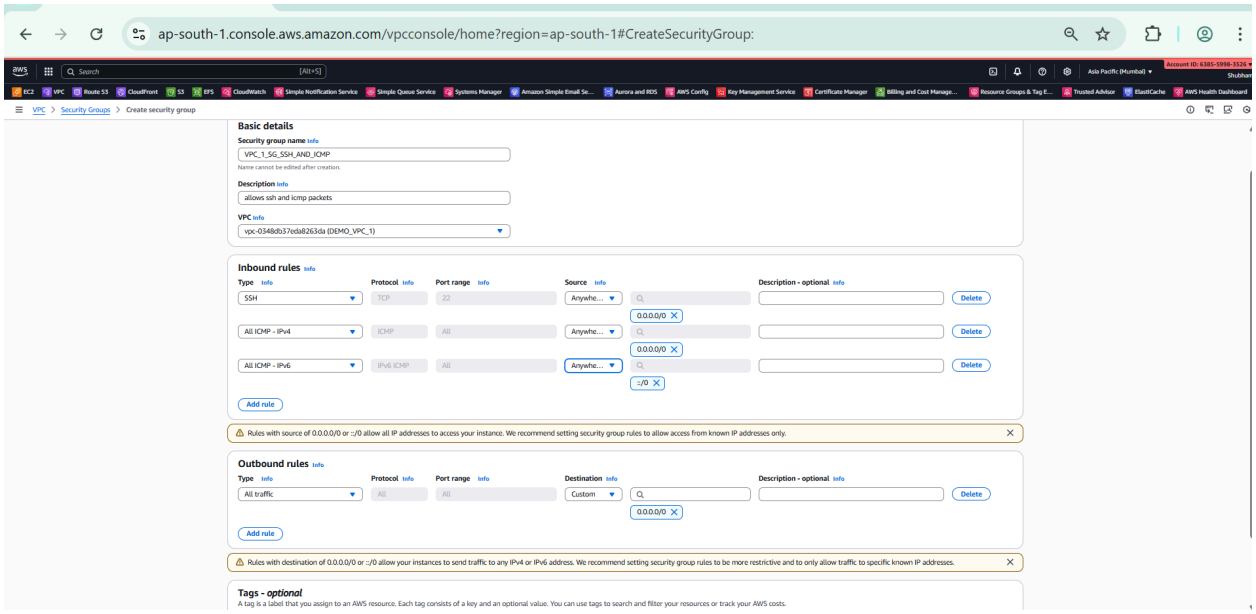


Step 13) Similarily we will create another two vpc in Account 3.

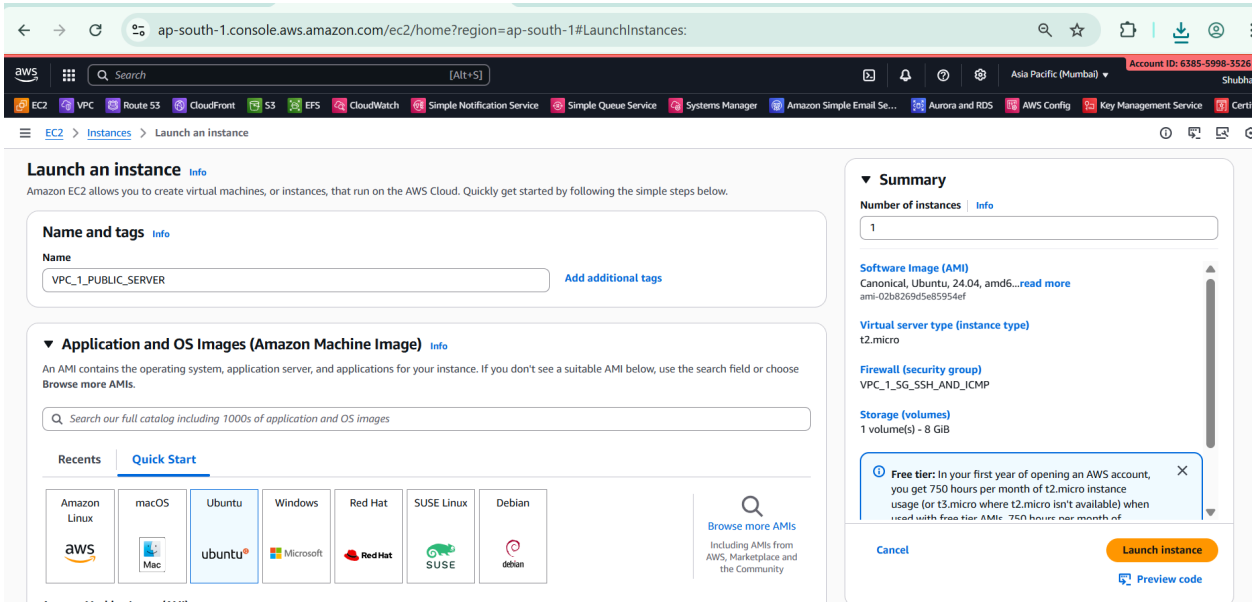


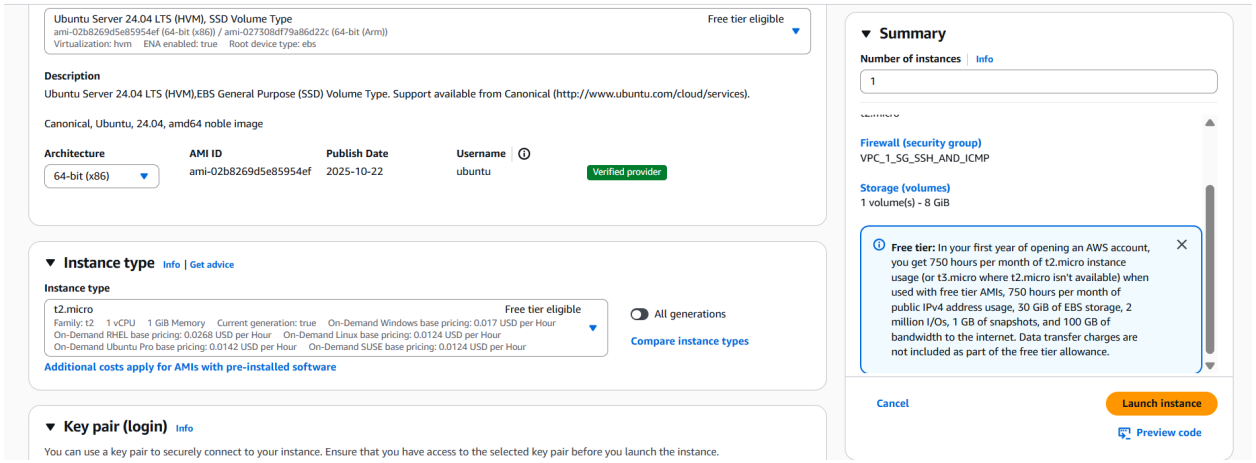


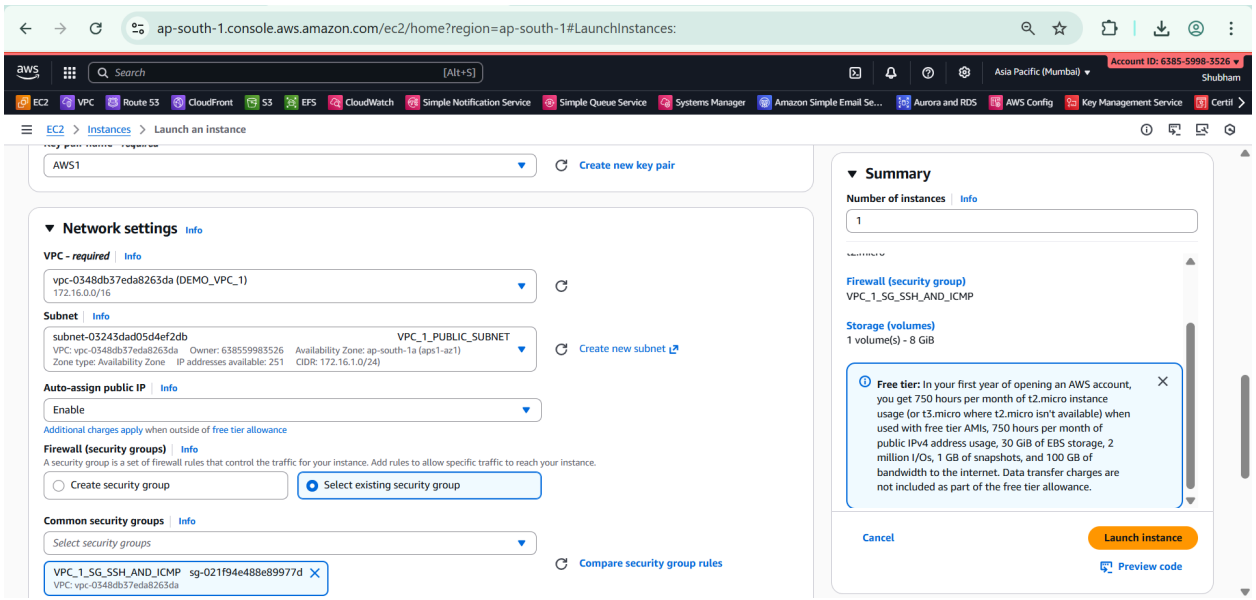
Step 14) We will create now Security group in Account A allowing ssh and icmp packers from anywhere to check our connectivity later. Also we will create similar Sg in Account 2 and Account 3 as well.



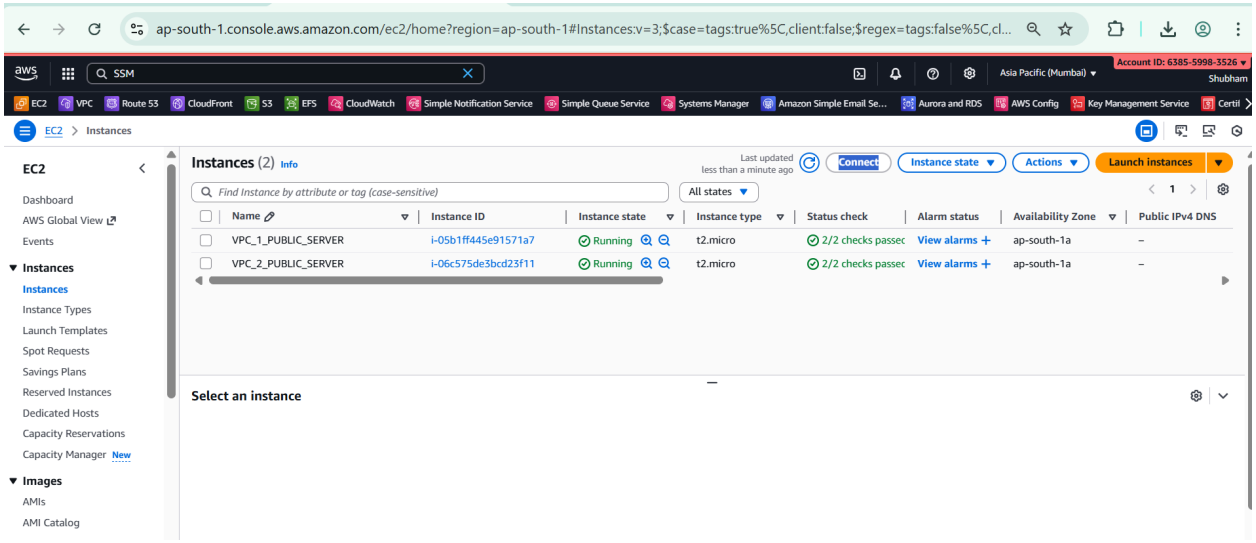
Step 15) Now we will launch and ec2 server in Account 1 and attach this security group created .



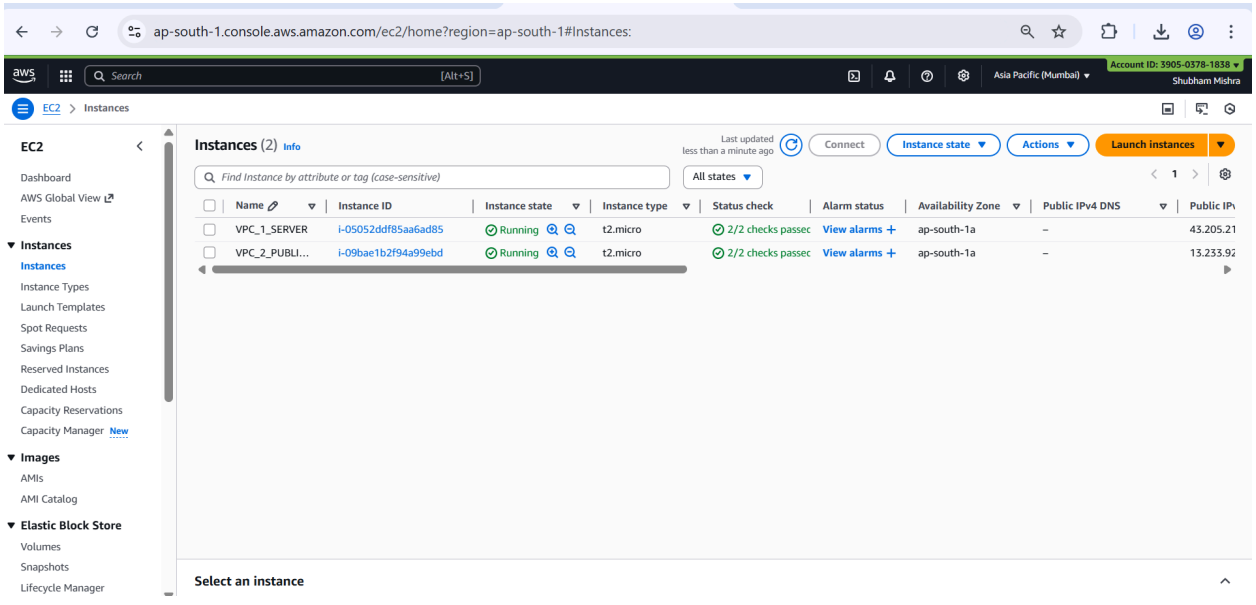




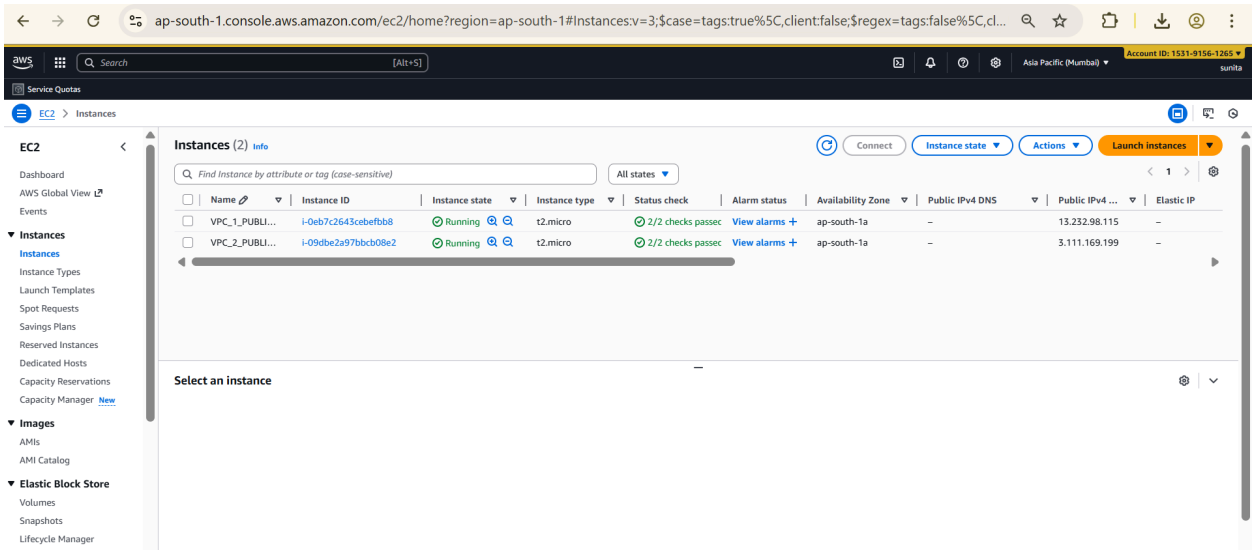
Step 16) We launched similar ec2 in another vpc of Account 1. We can confirm below now both ec2 instances in both vpcs in Account 1 are running successfully.



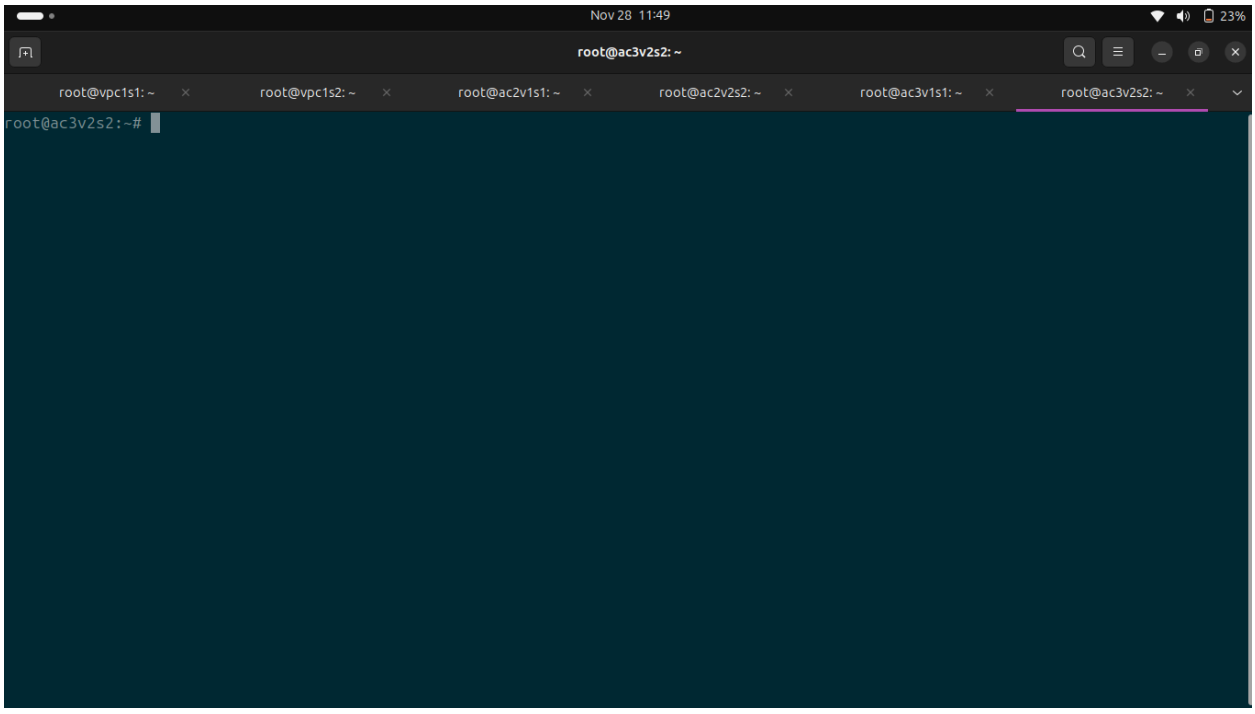
Step 17) Similarily we will lauch two instances in to two different vpc in Account 2 and we can see it's successful.



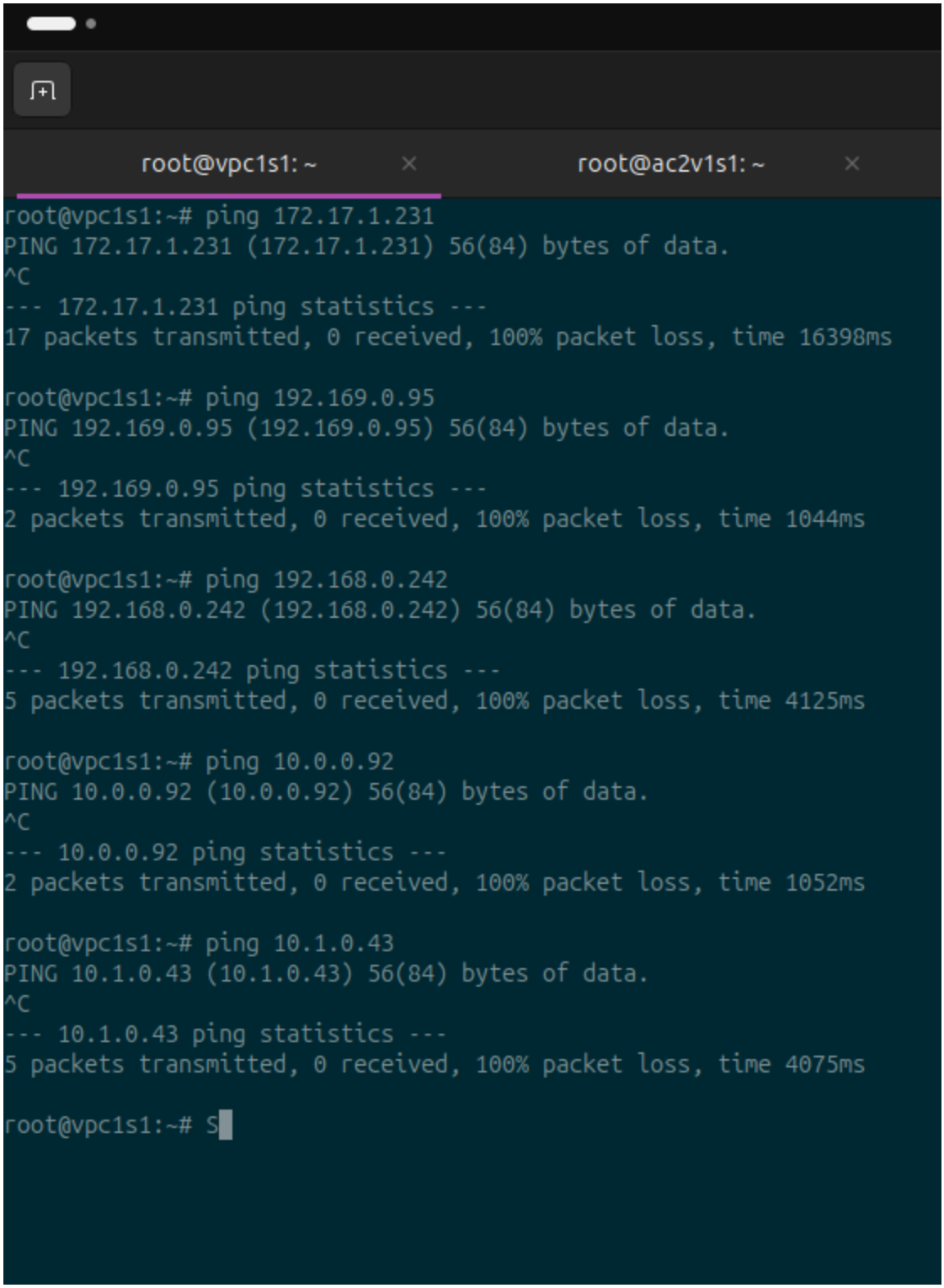
Step 18) Similarily we launched another two instances in to 2 different vpcs in Account 3 as well.



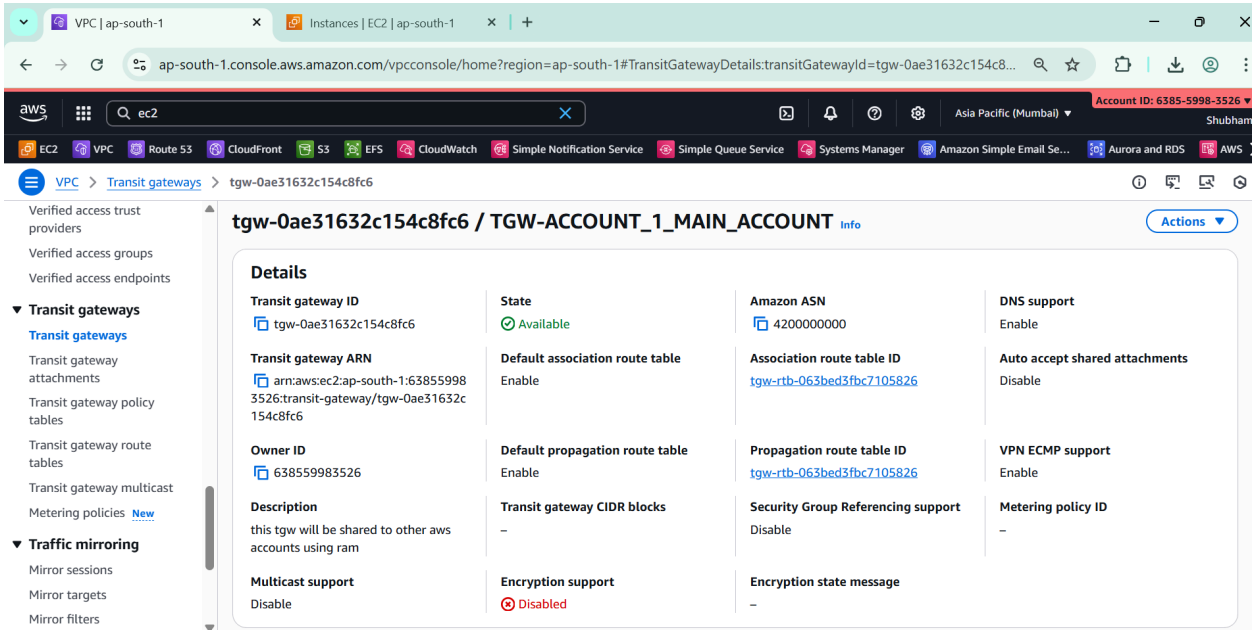
Step 19) We will ssh into all 6 instances of different vpcs across three different account.



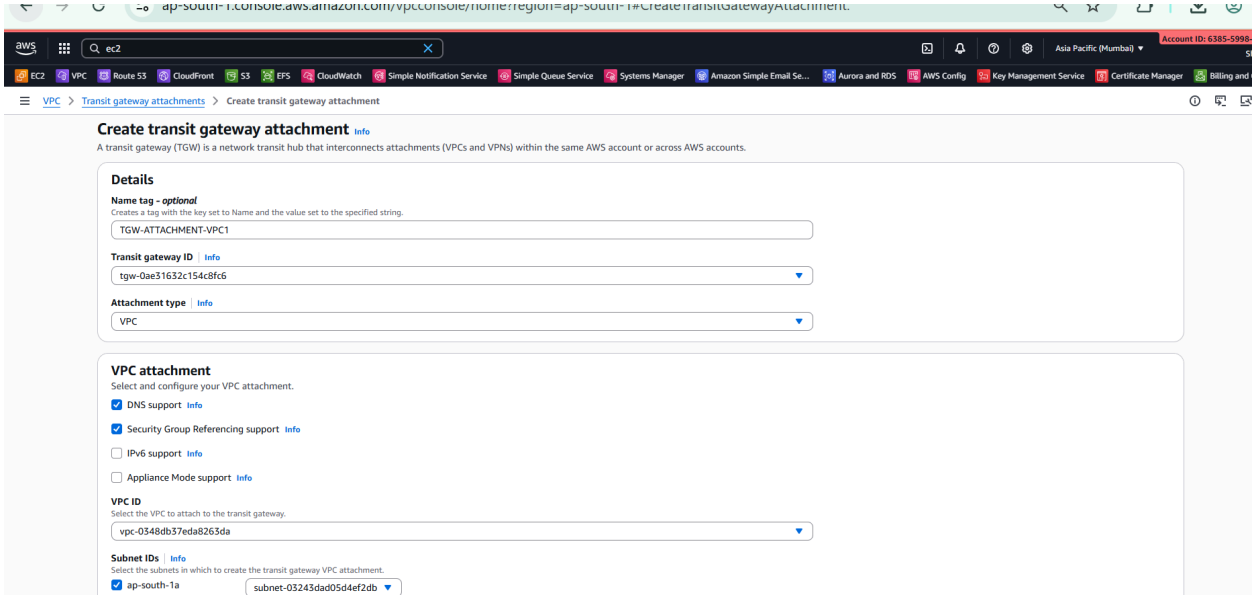
Step 20) We will try to ping all ec2 instances across different vpcs across different account and it got failed as can be seen below.

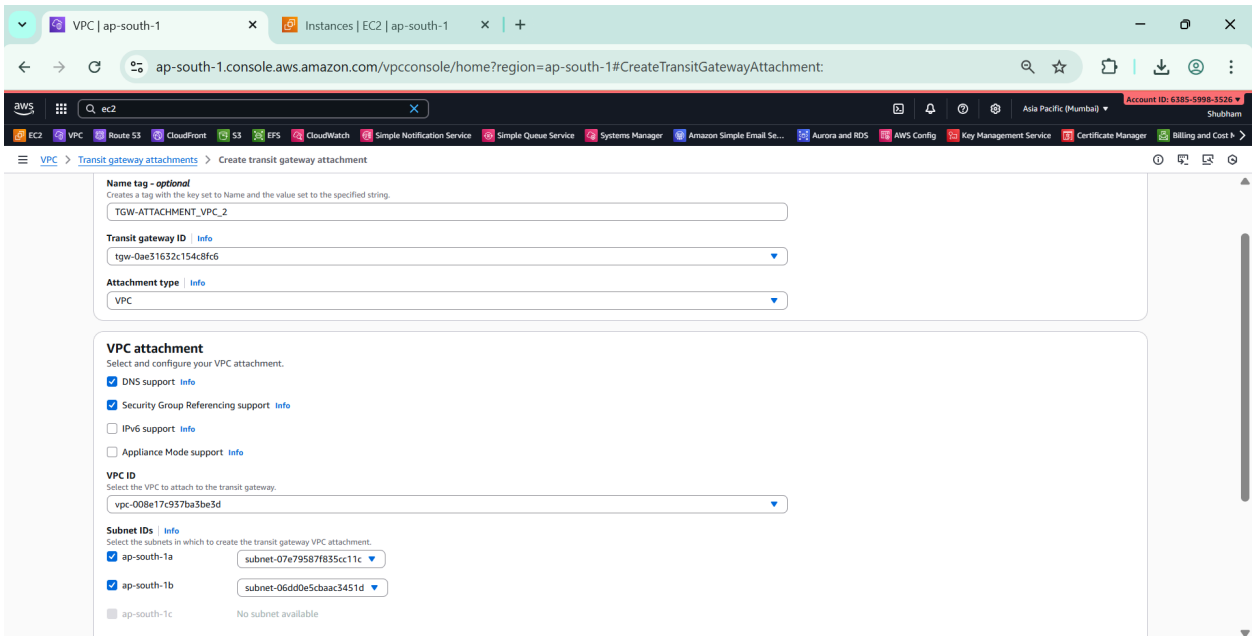


Step 21) Now we will create Transit gateway in Account 1.

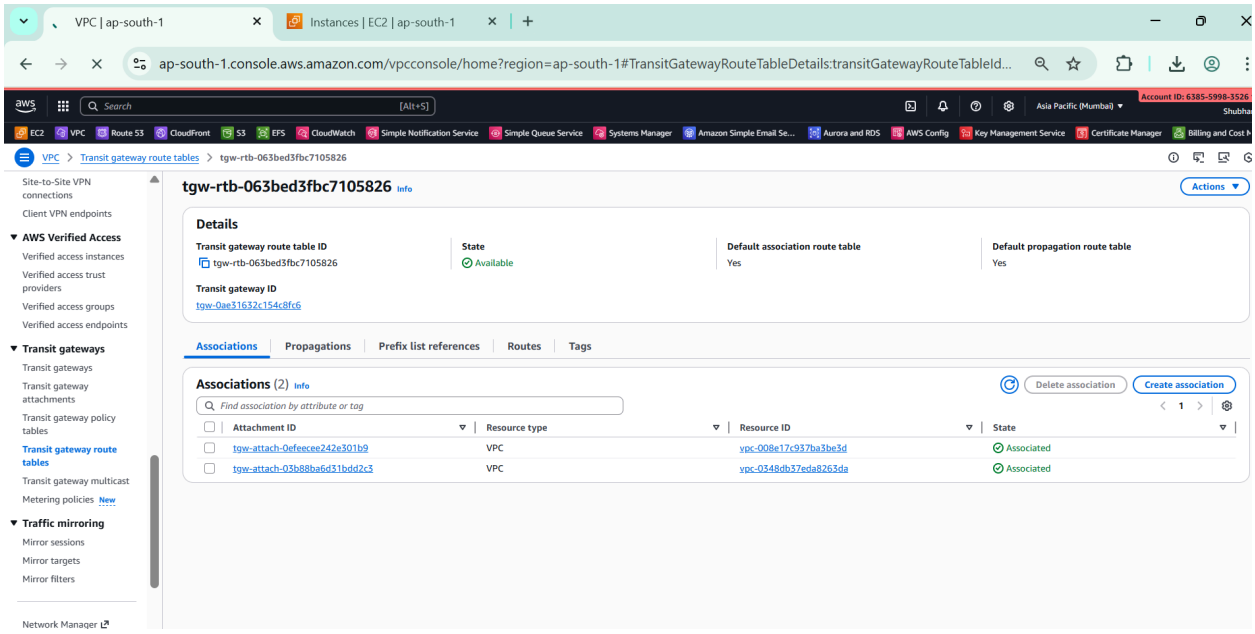


Step 22) Now we will create Transit gateway attachment for both vpc in Account A.

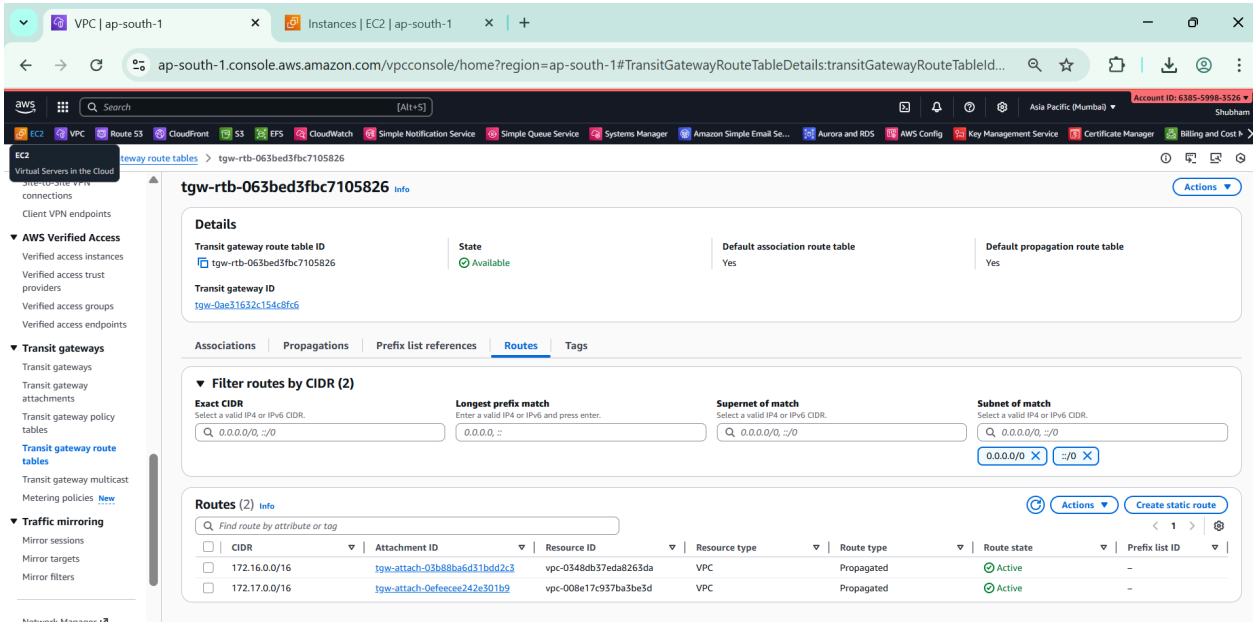




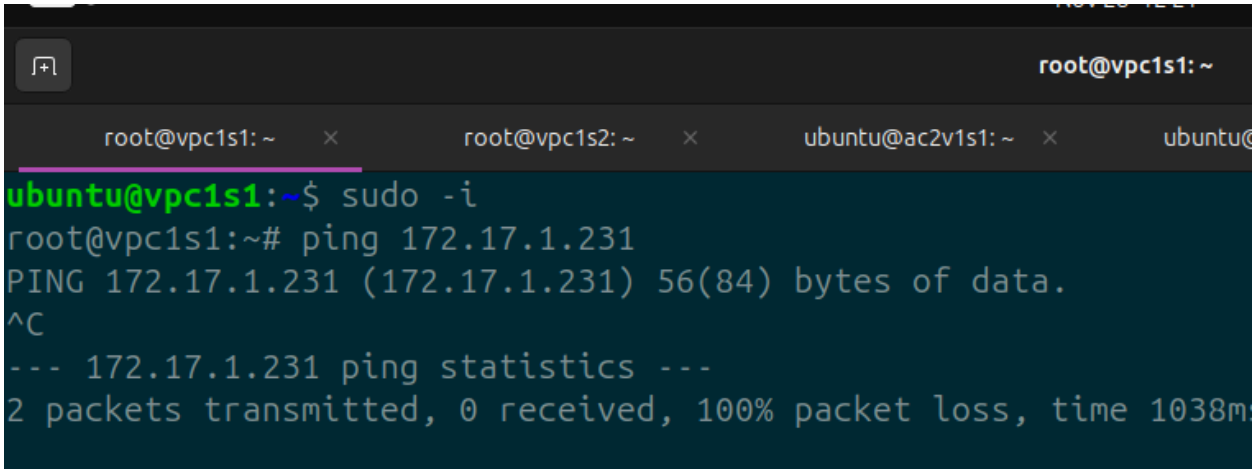
Step 23) Now we can see as soon as TGW attachments are made it gets attached to TGW.



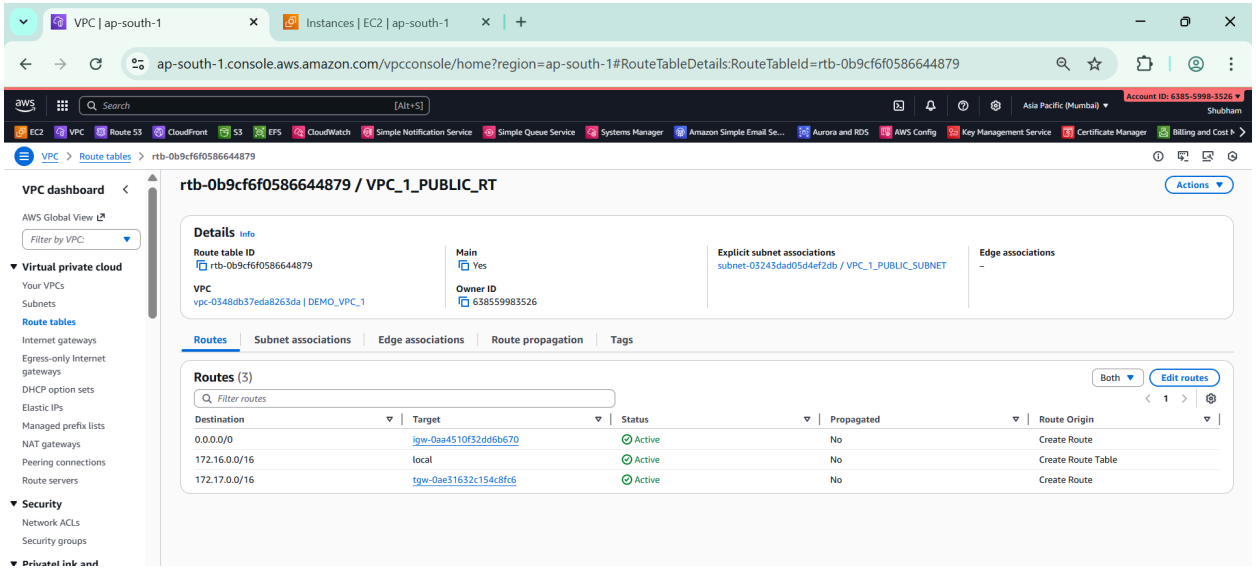
Step 24) Also routes gets added automatically fo both vpc once attachment is successful.

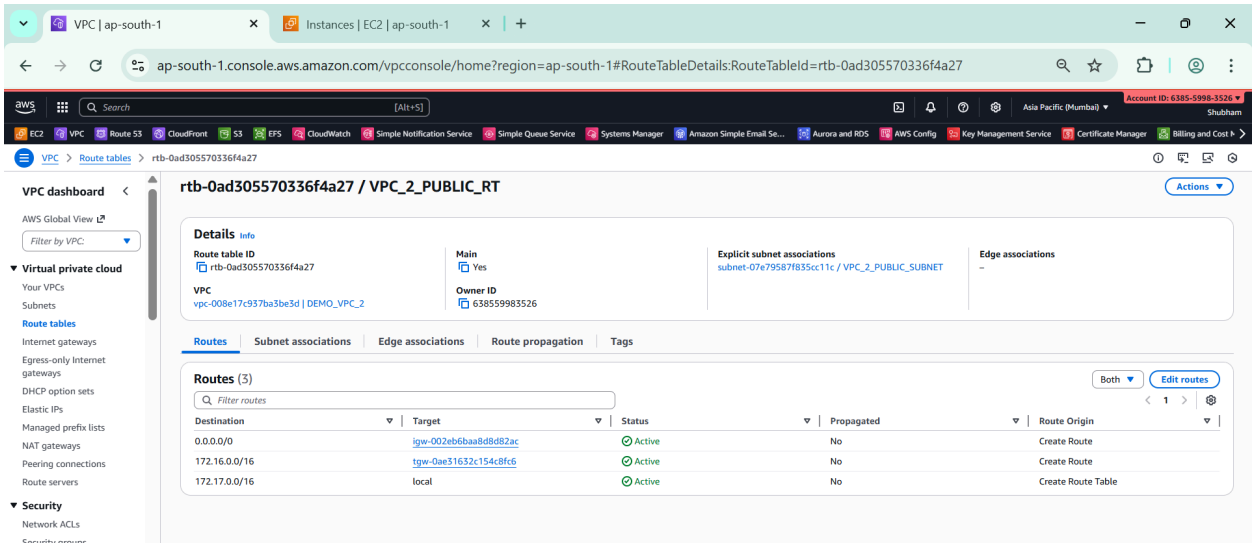


Step 25) Now still both servers in different vpcs in Account 1 cannot ping.

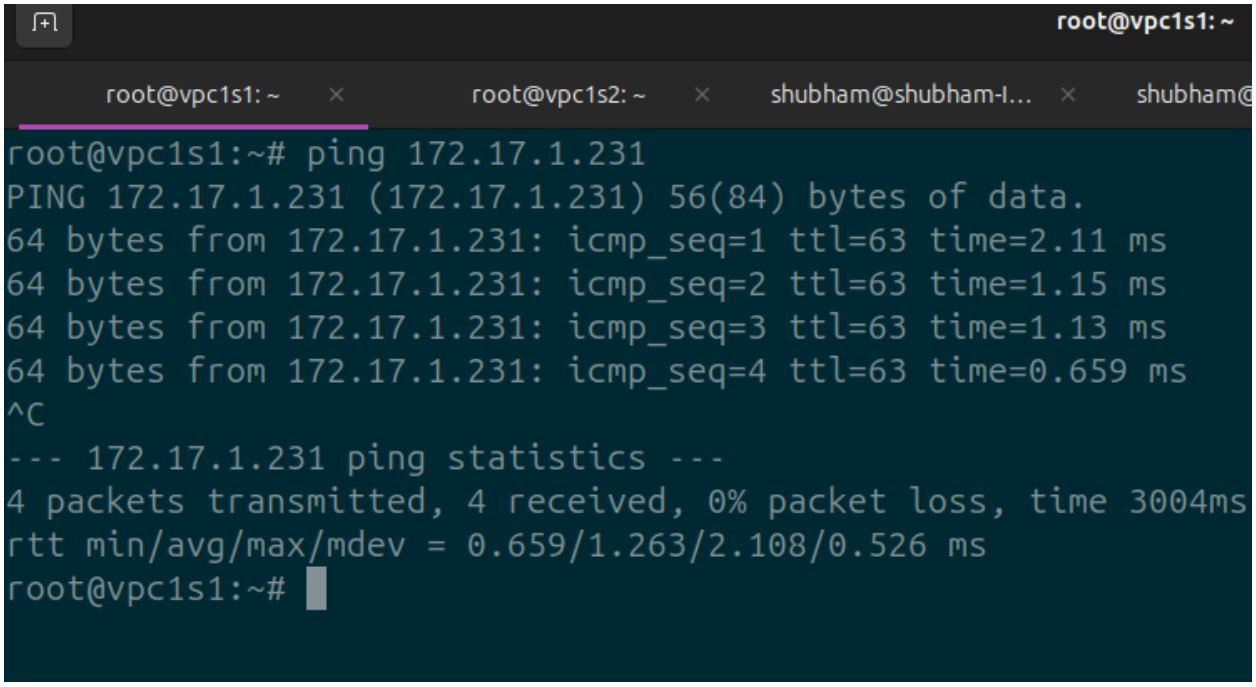


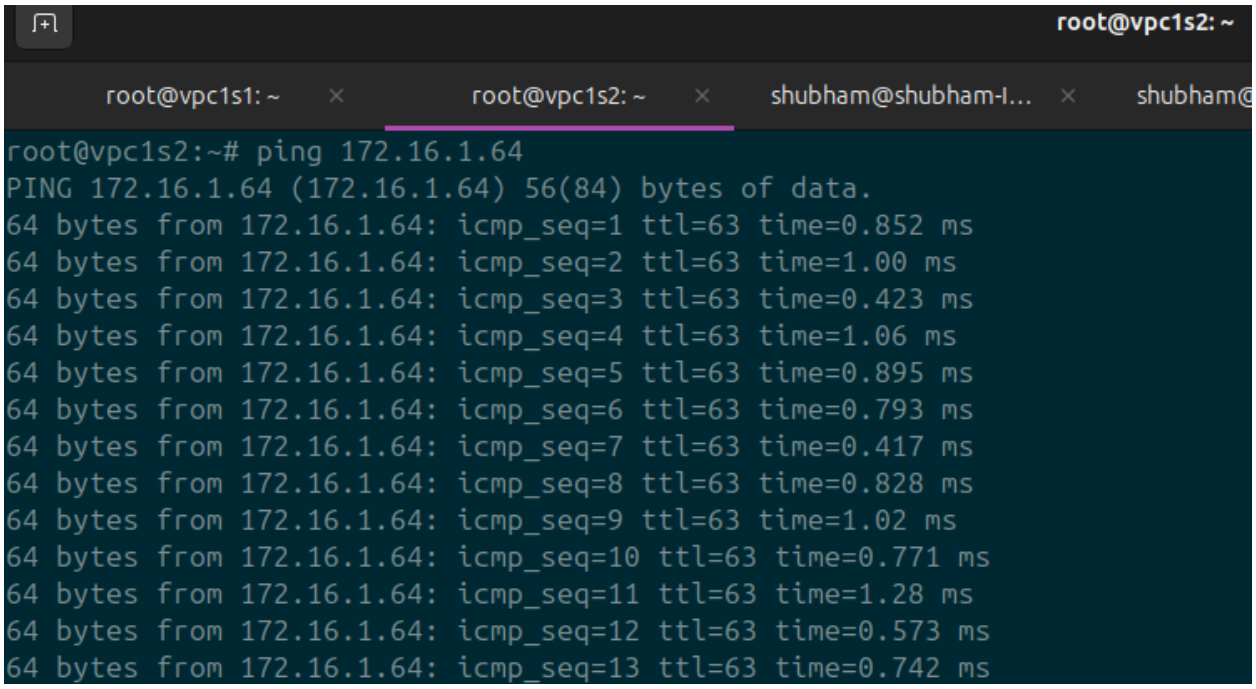
Step 26) Now we will update route table and add routes in both vpc's route table in Account 1.



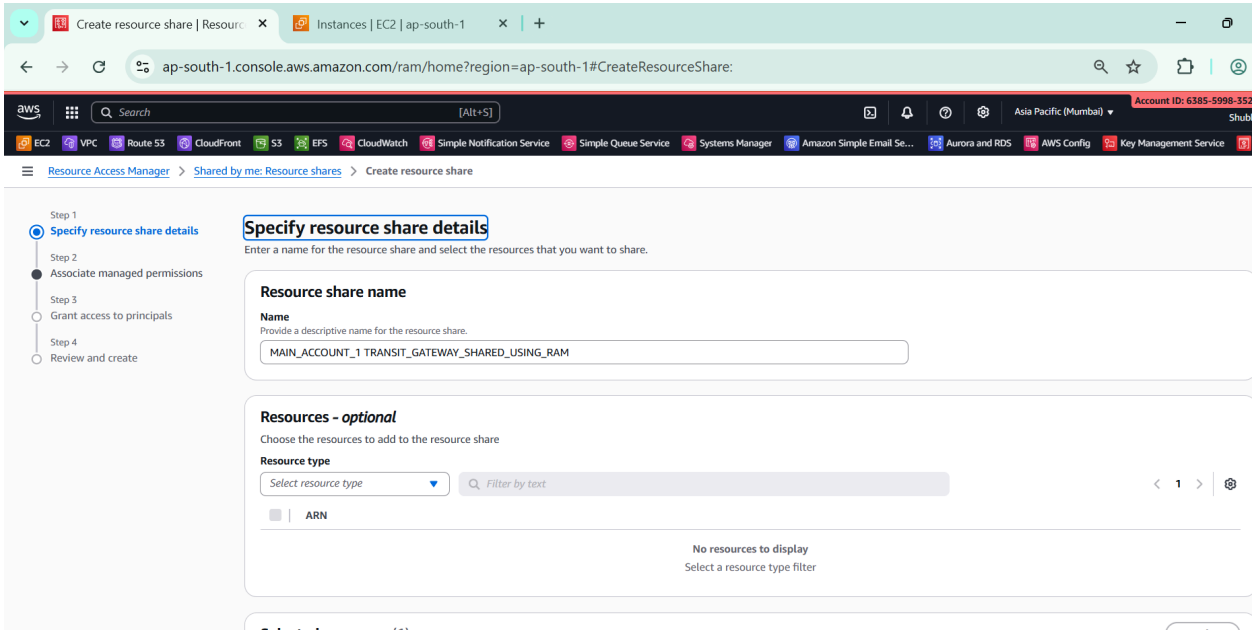


Step 27) After successfully updating route table we can see that both servers in different vpc across account 1 can ping on private ip.

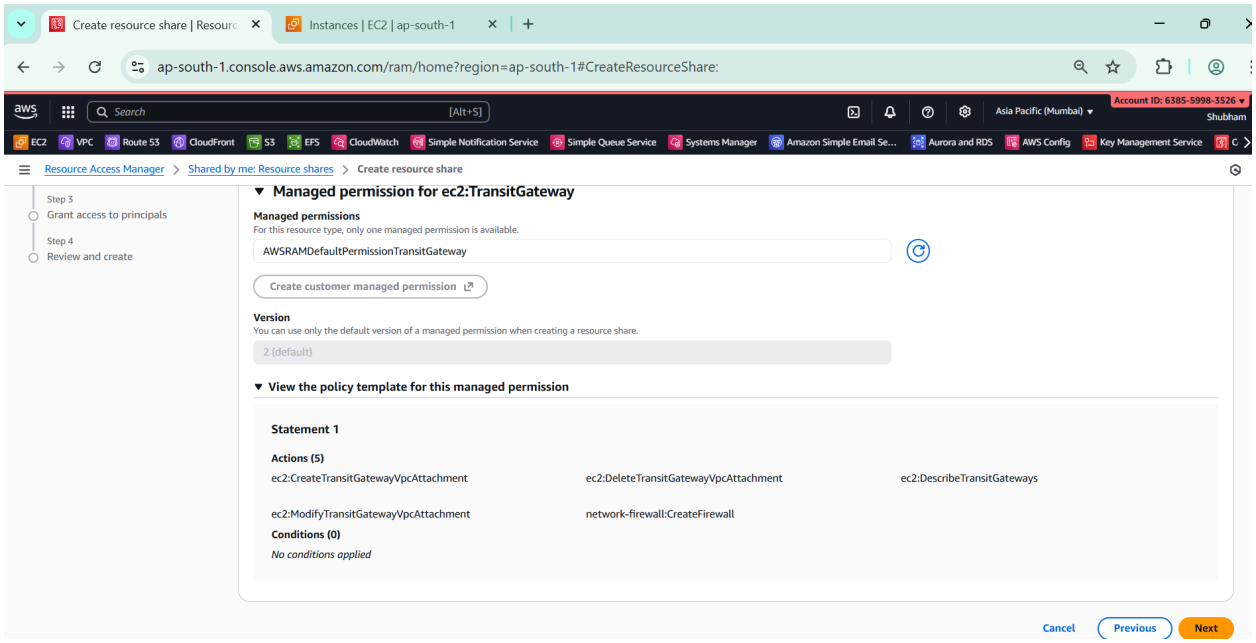




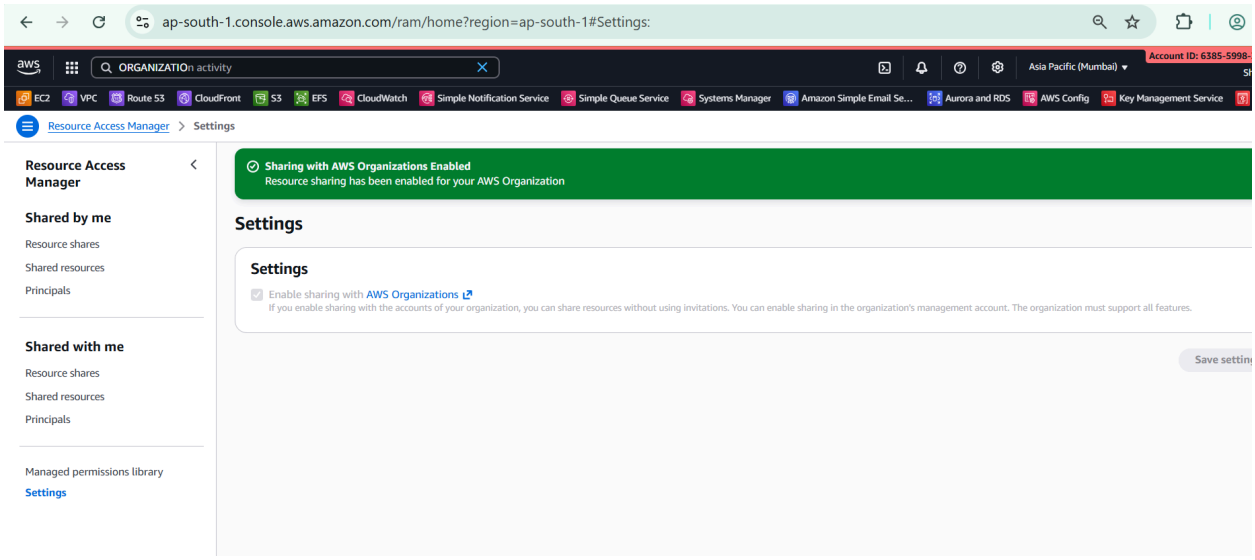
Step 28) Now we will share the TGW created in Acccount 1 with Acccount 2 and Account 3 using RAM service in Account 1.



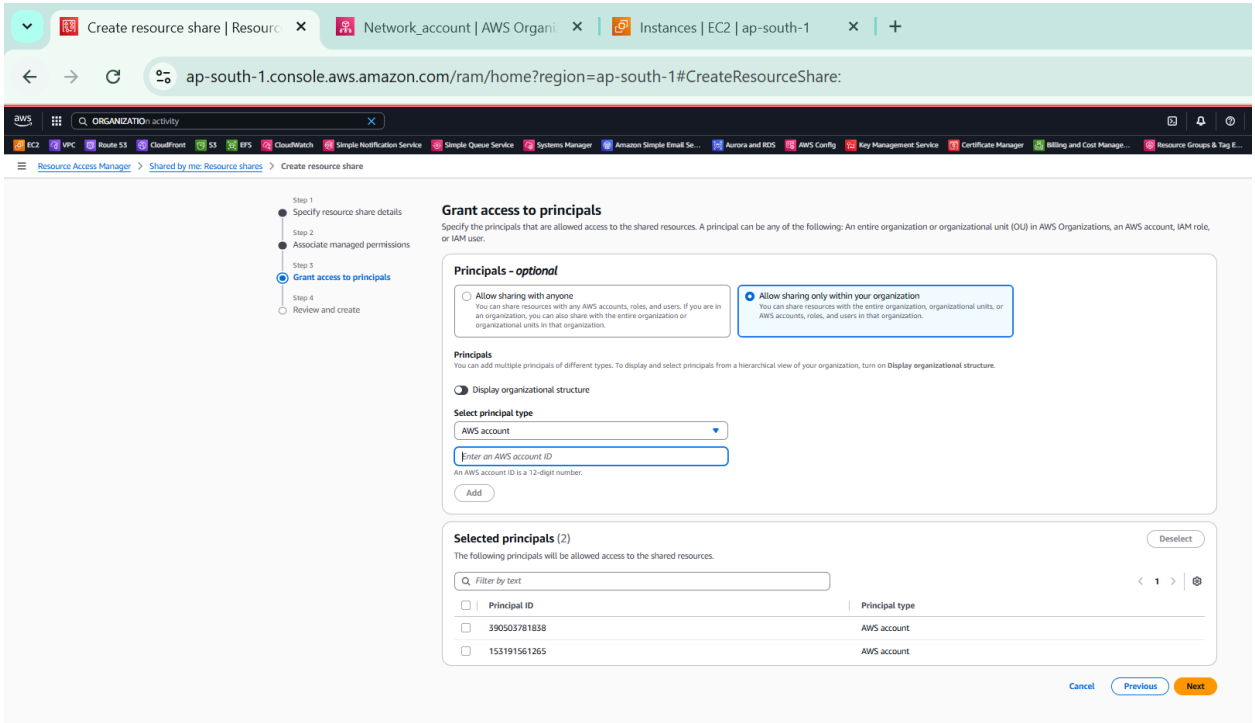
Step 29) Here in RAM we will select the TGW we need to share with Account 2 and Account 3.

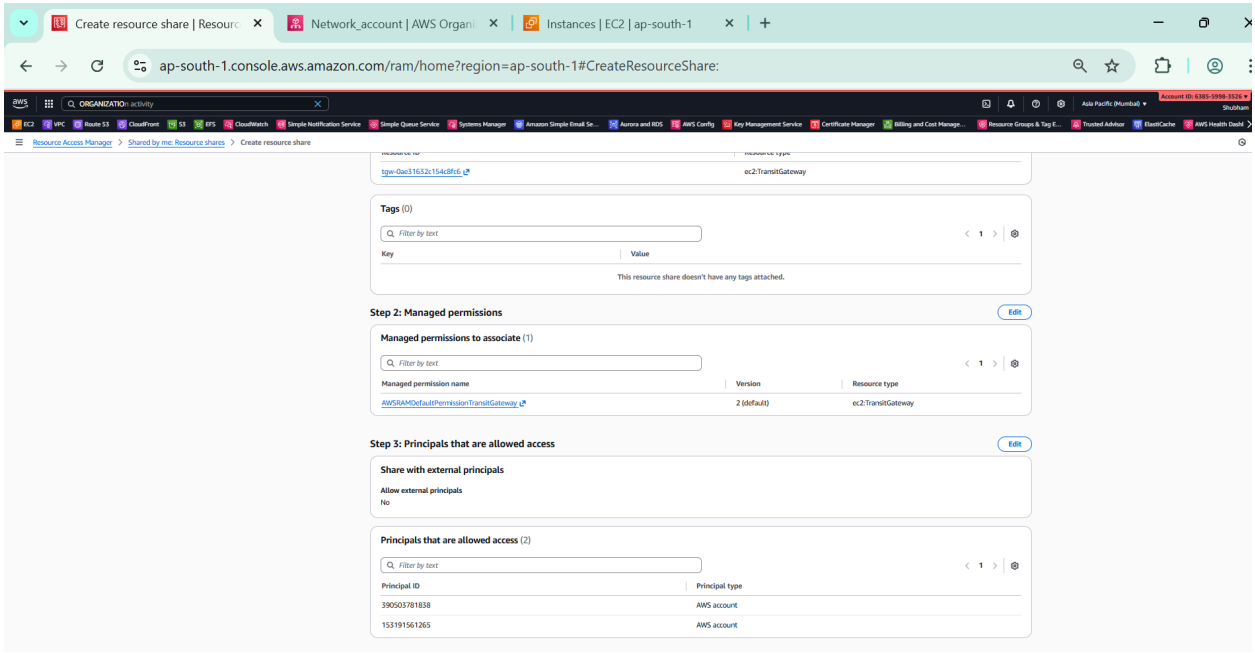


Step 30) Also make sure that first in setting of RAM it allows sharing of resources in organization. AWS organzatio was already created and Account 1 is management account and Account 2 and Account 3 have joined that AWS organzation.

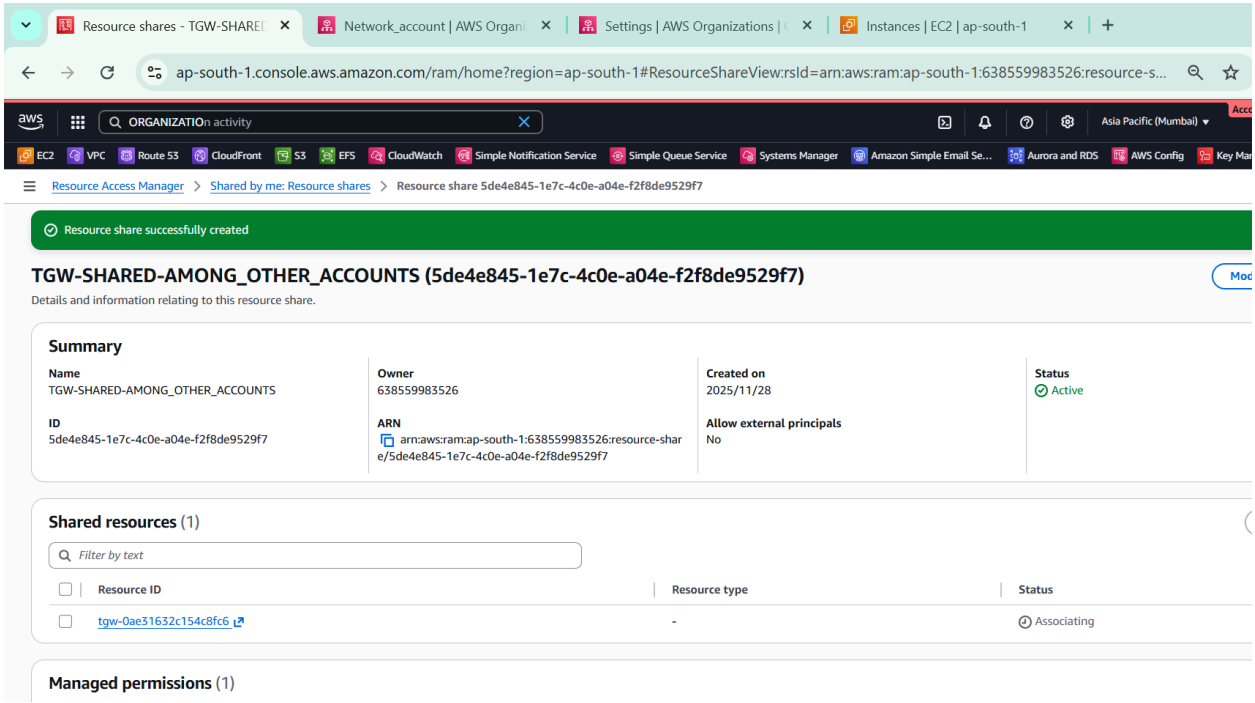


Step 31) Now herw we will select the AWS accounts with whomTGW is to be shared.

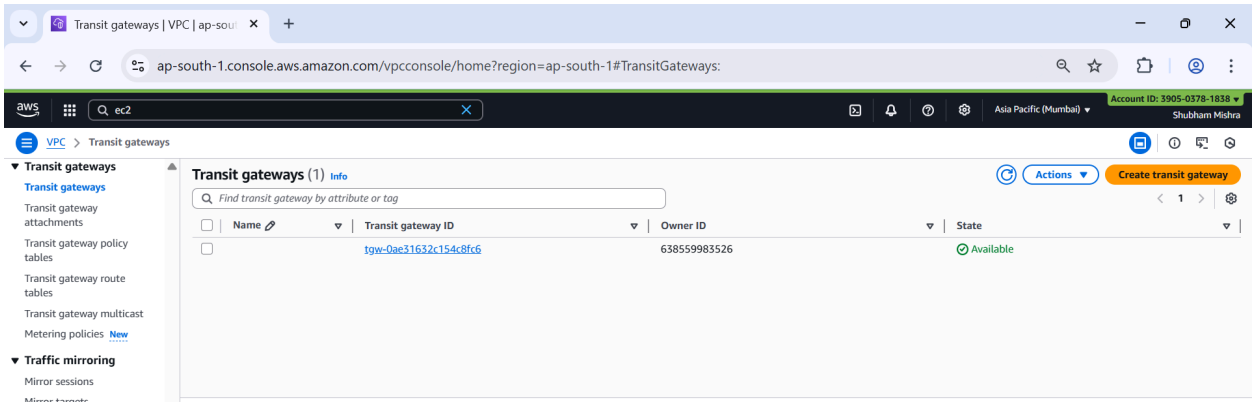


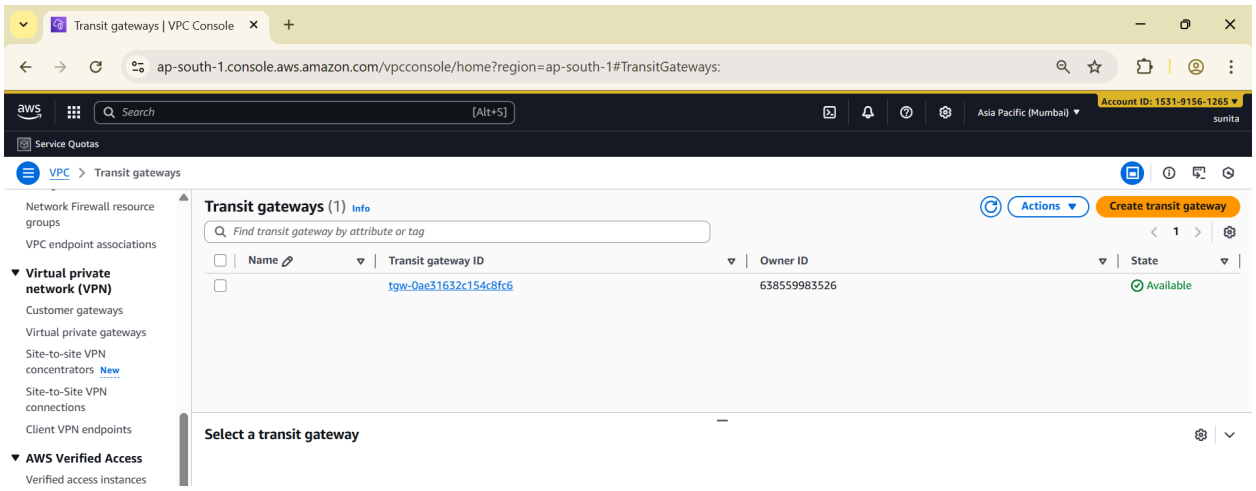


Step 32) Now we can see the resource has been shared successfully with Account 2 and Account 3.

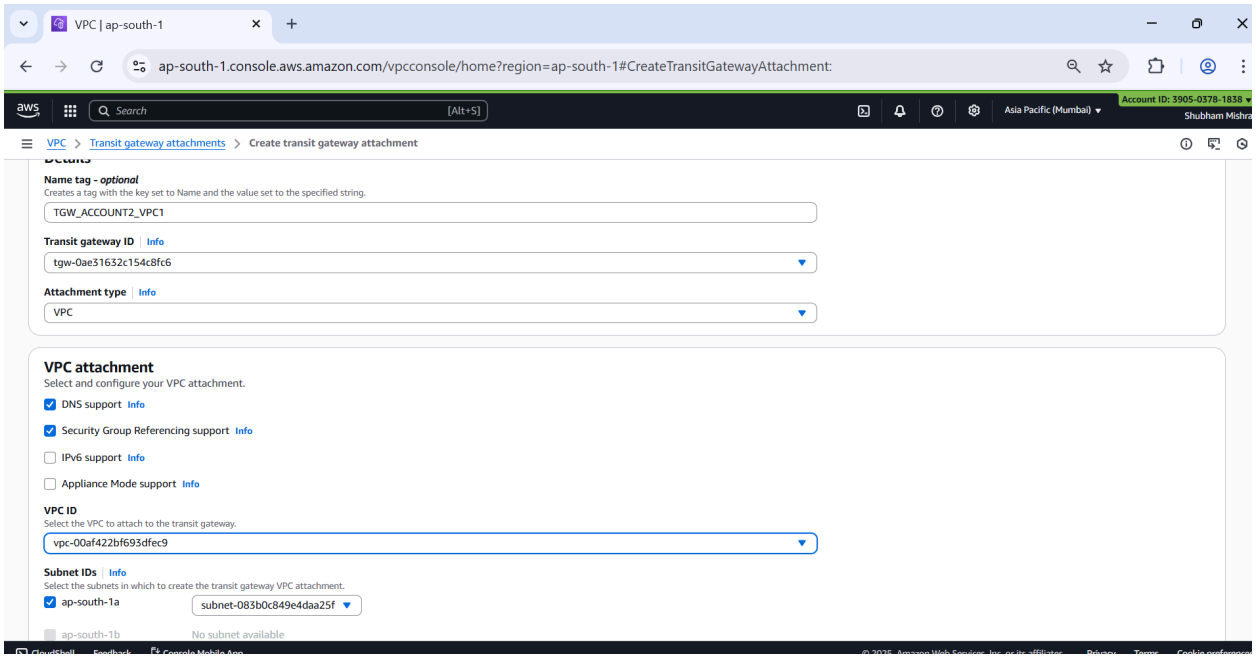


STEP 33) We can see the shared TGW in account 2 and account 3 below.

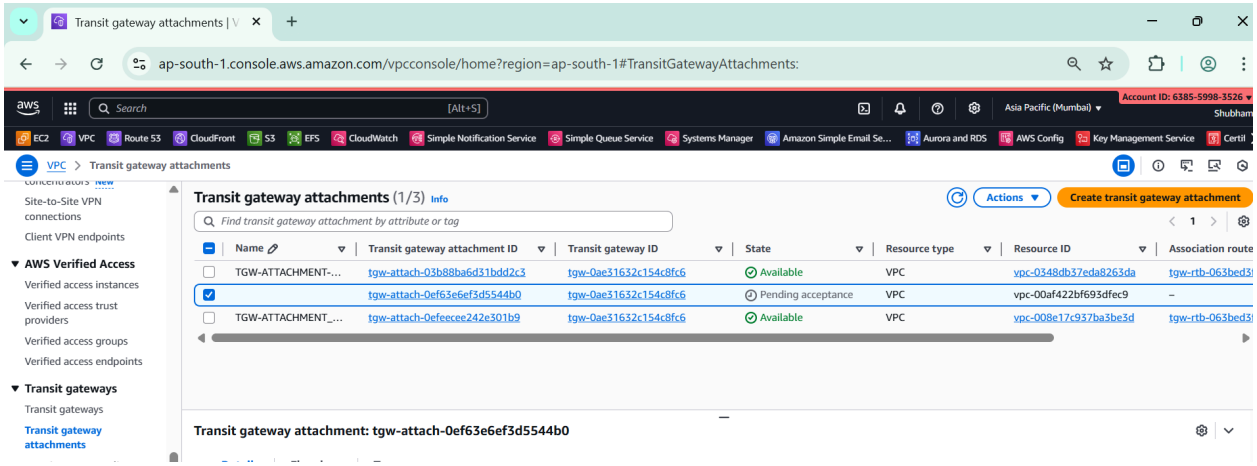


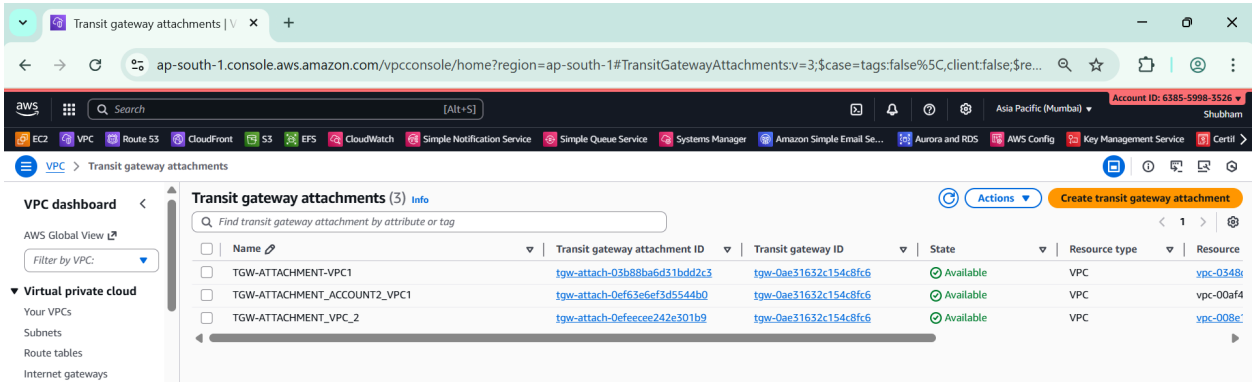


Step 34) Now in account 2 we will create Tgw attachment for vpc1 and vpc2 and attach it to shared TGW.

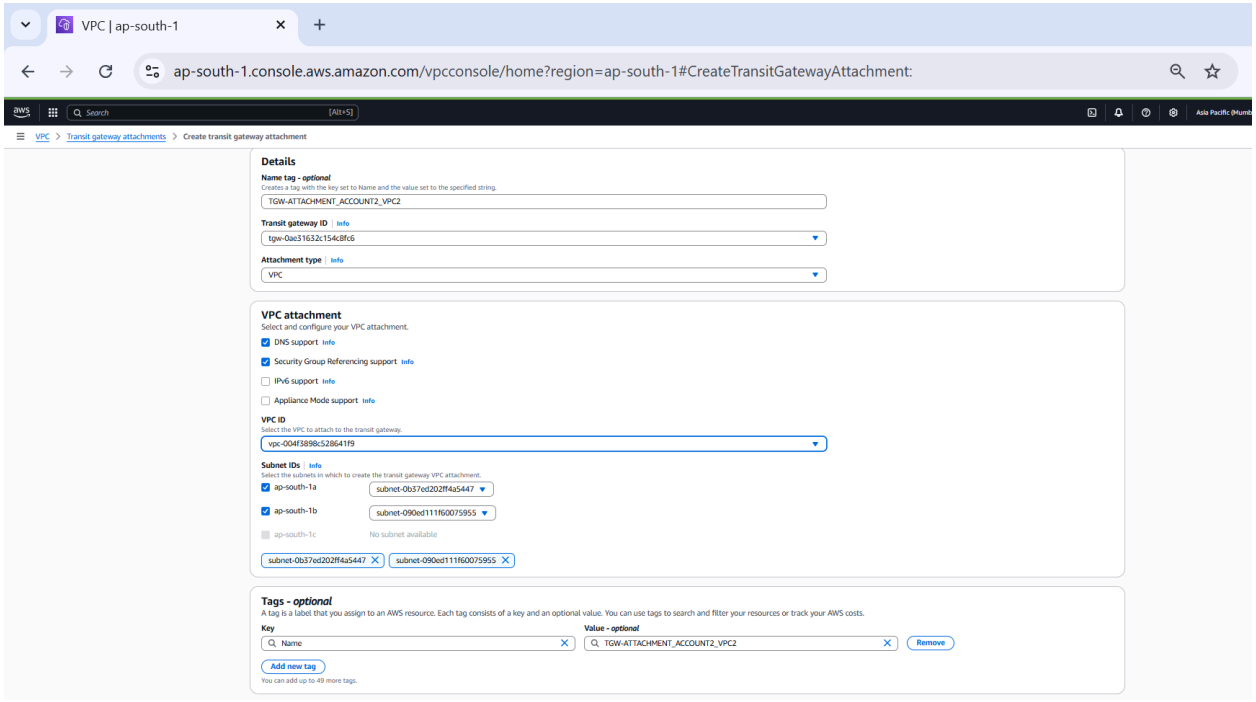


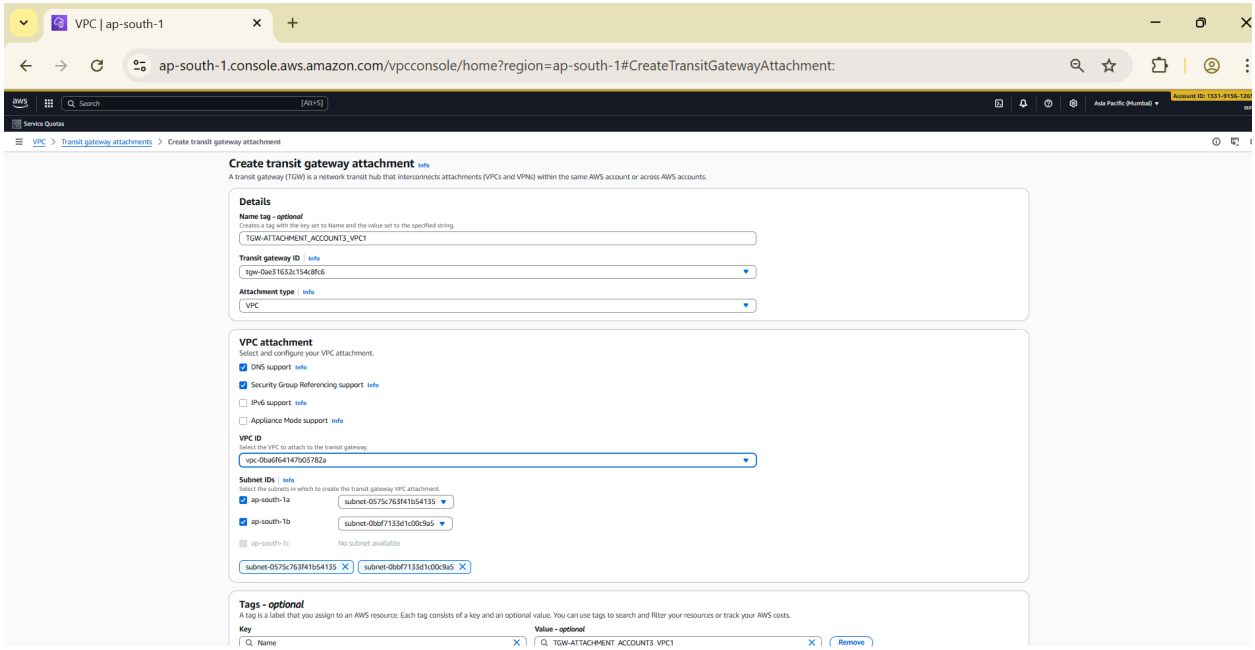
Step 35) Now we can see that Tgw attachments from Account 2 and Account 3 are visible in Account 1.

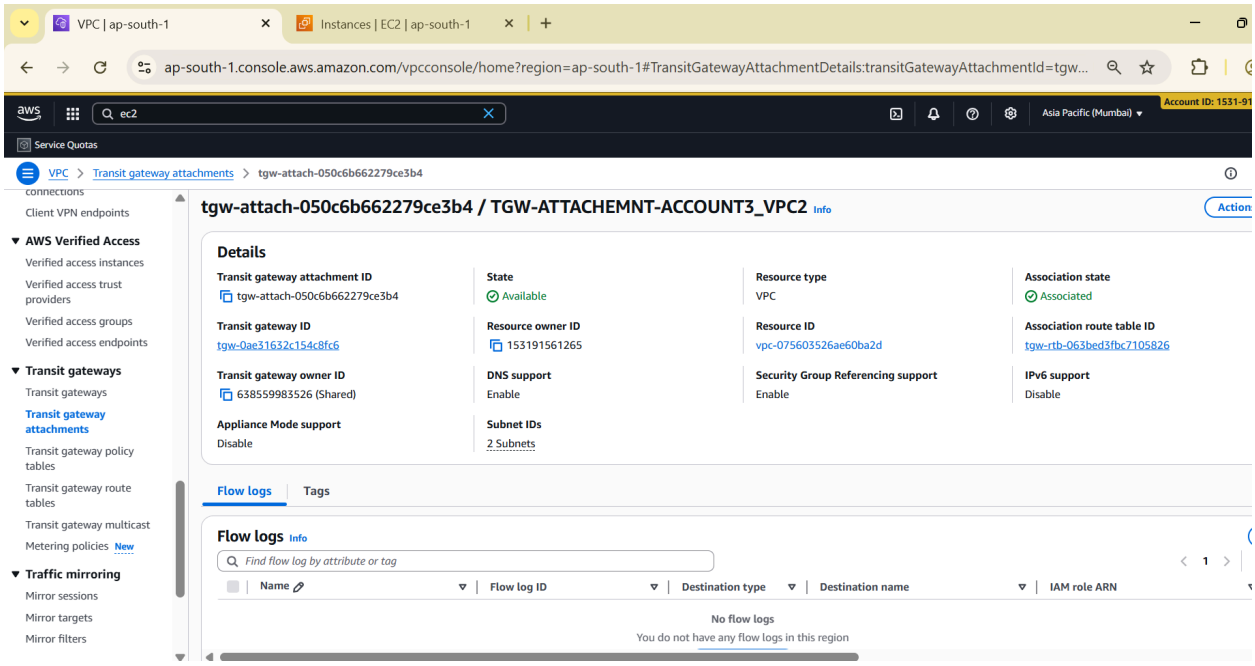




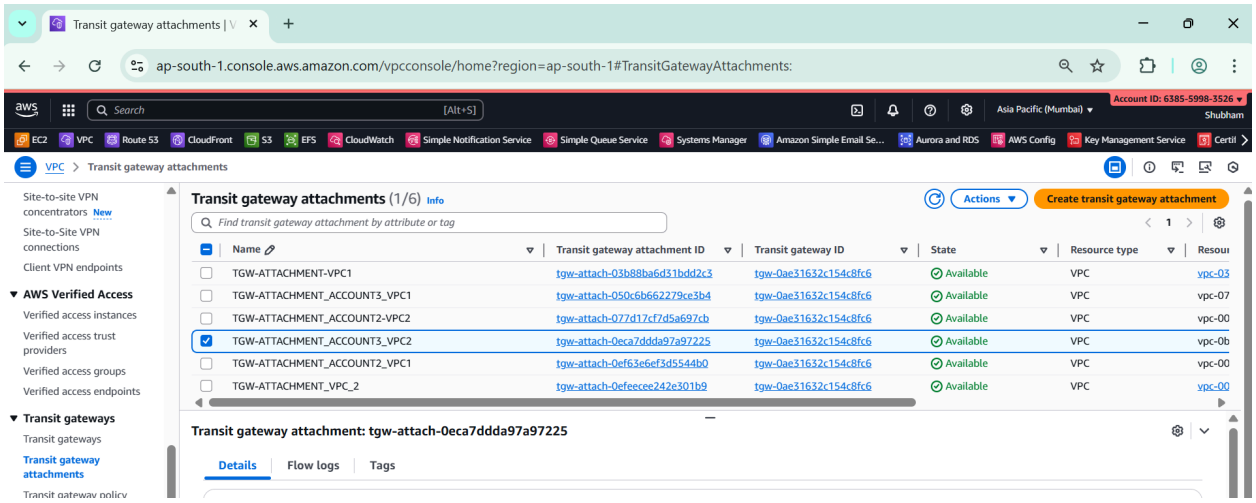
Step 36) Similarly create Tgw attachment for vpc1 and vpc2 of account 3 to the shared TGW of account 1.



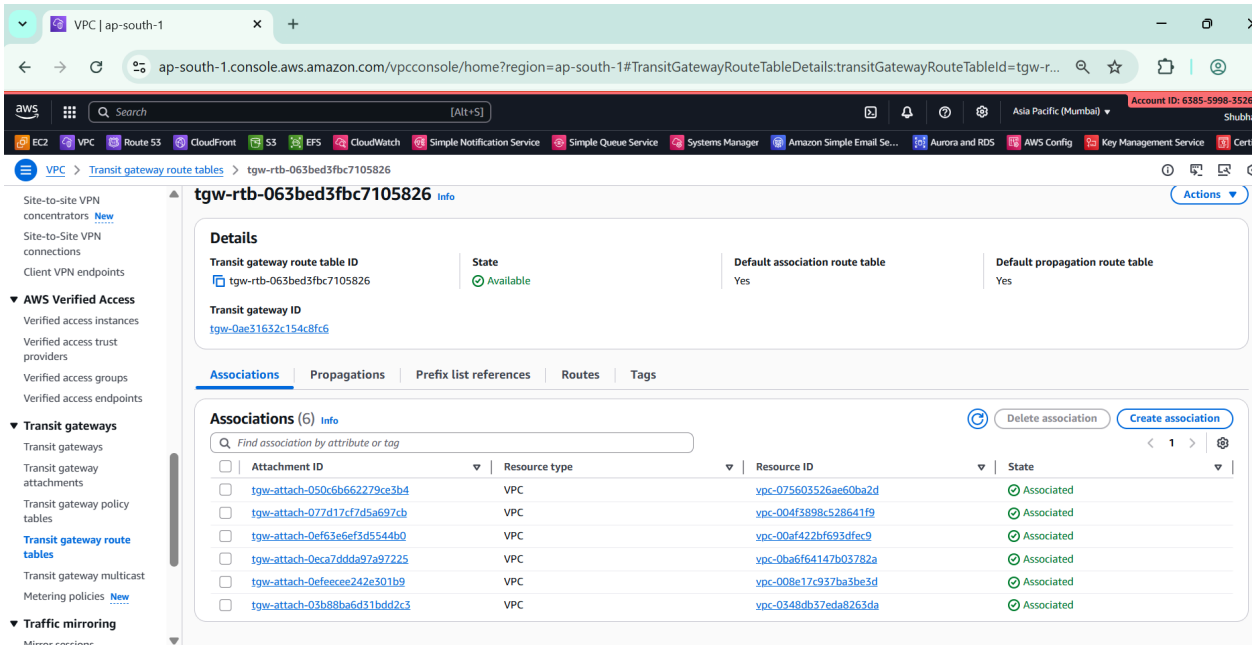




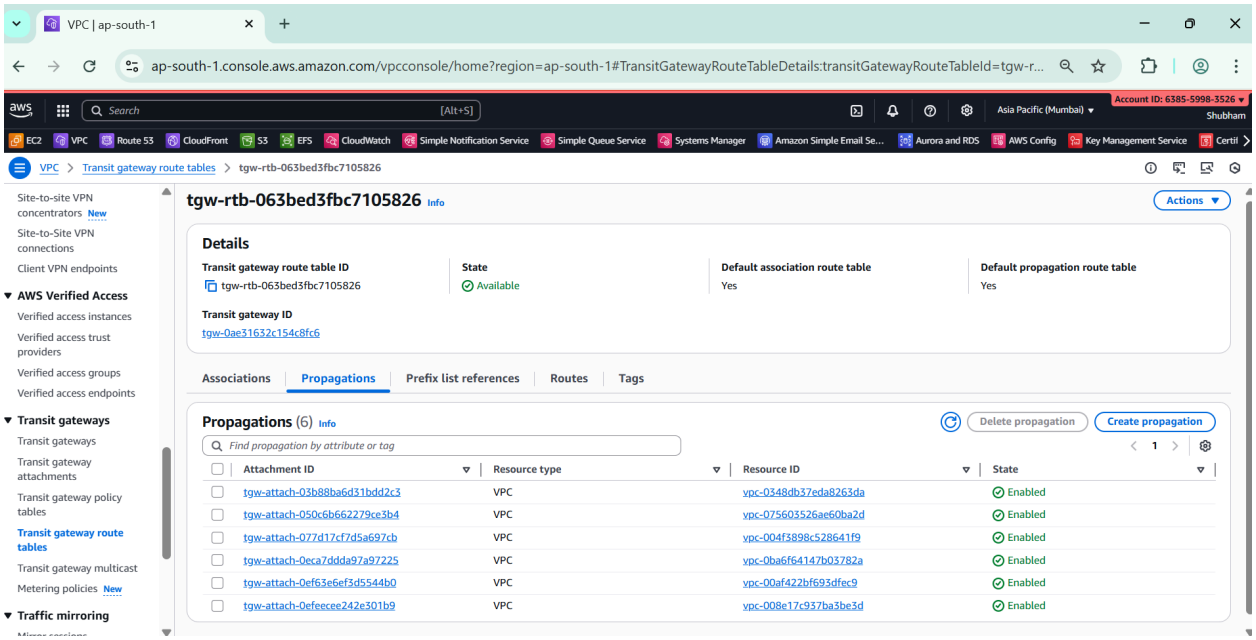
Step 37) Now we can see that Tgw attachments from Account 2 and Acccount 3 are visible in Account 1.



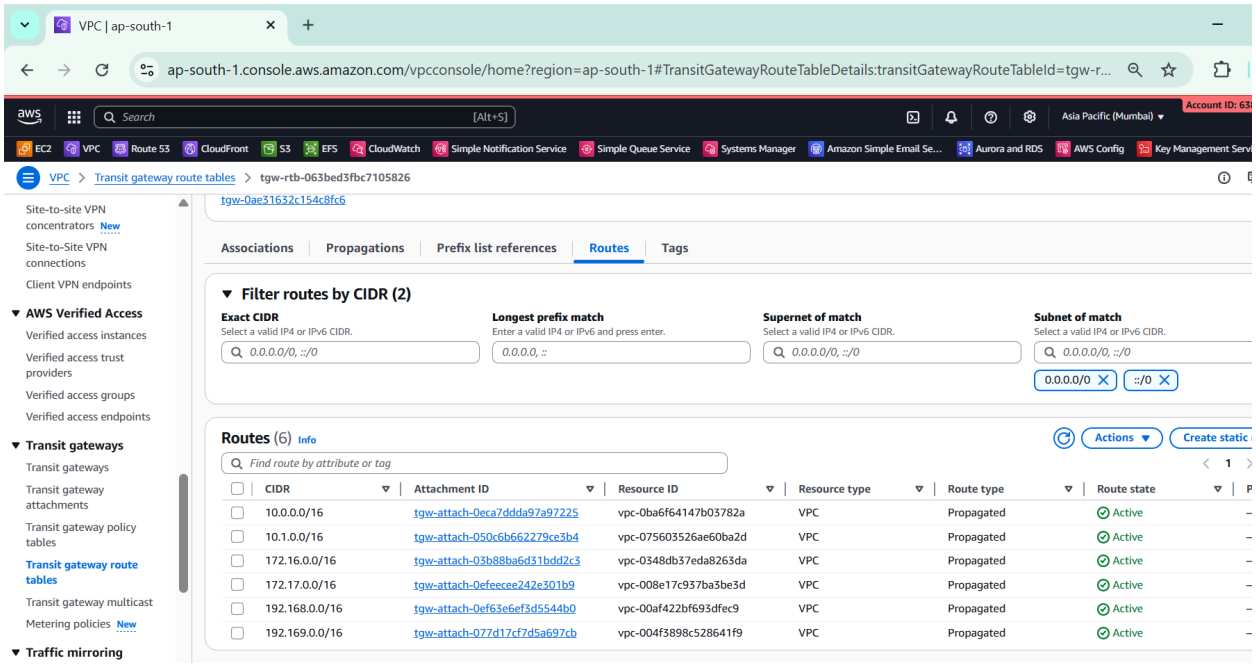
Step 38) Now we can see that all Tgw attachments to shared TGW route table below.



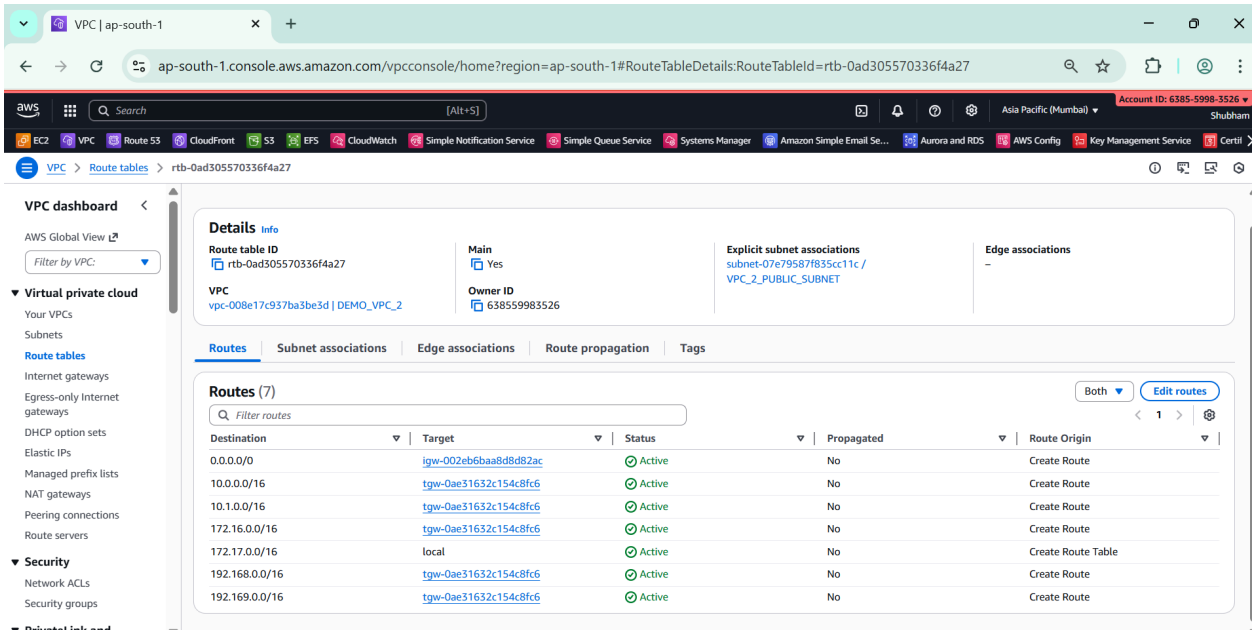
Step 39) We can also see propagations as well.

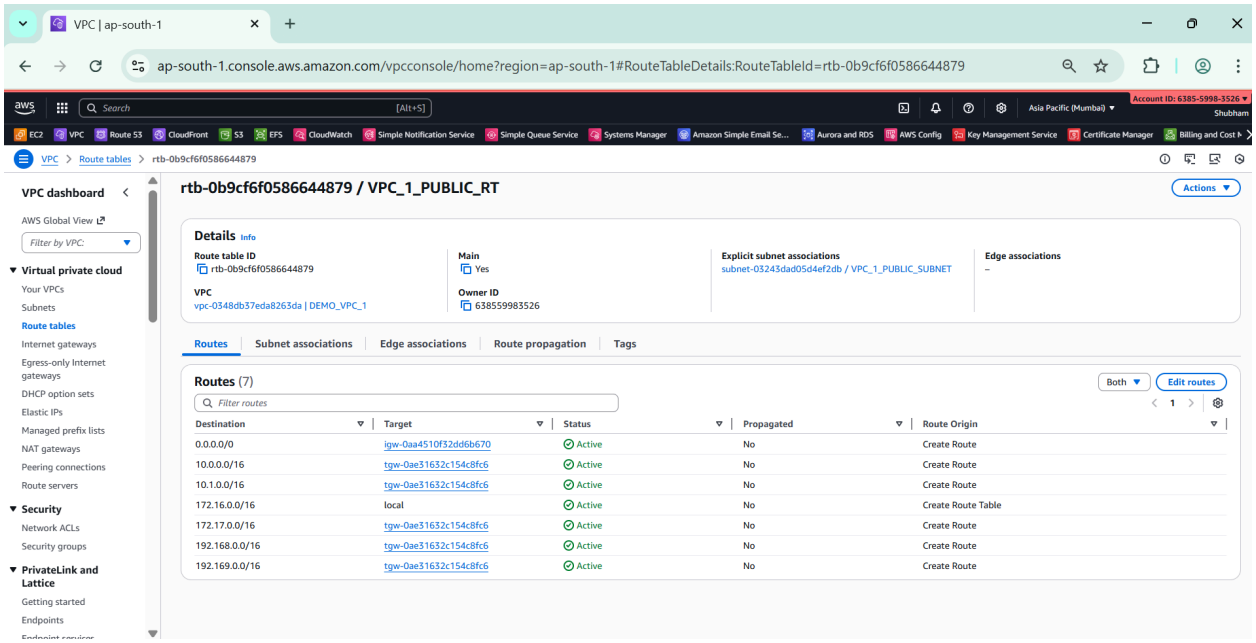


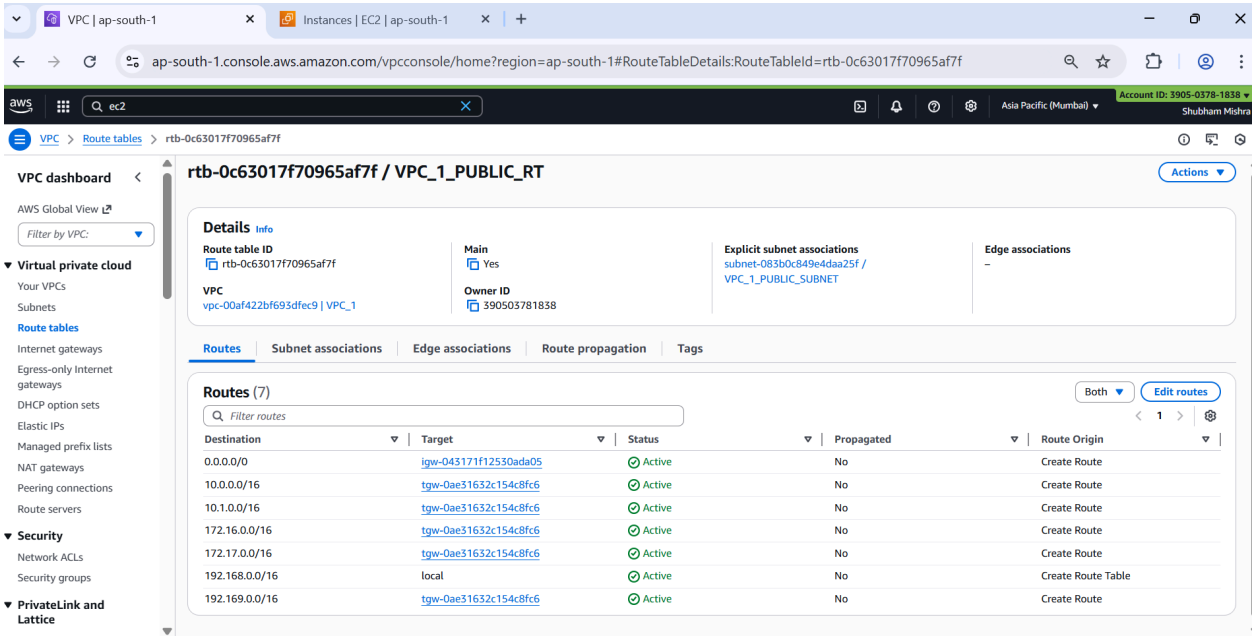
Step 40) After successful attachments to TGW routes are added automatically.

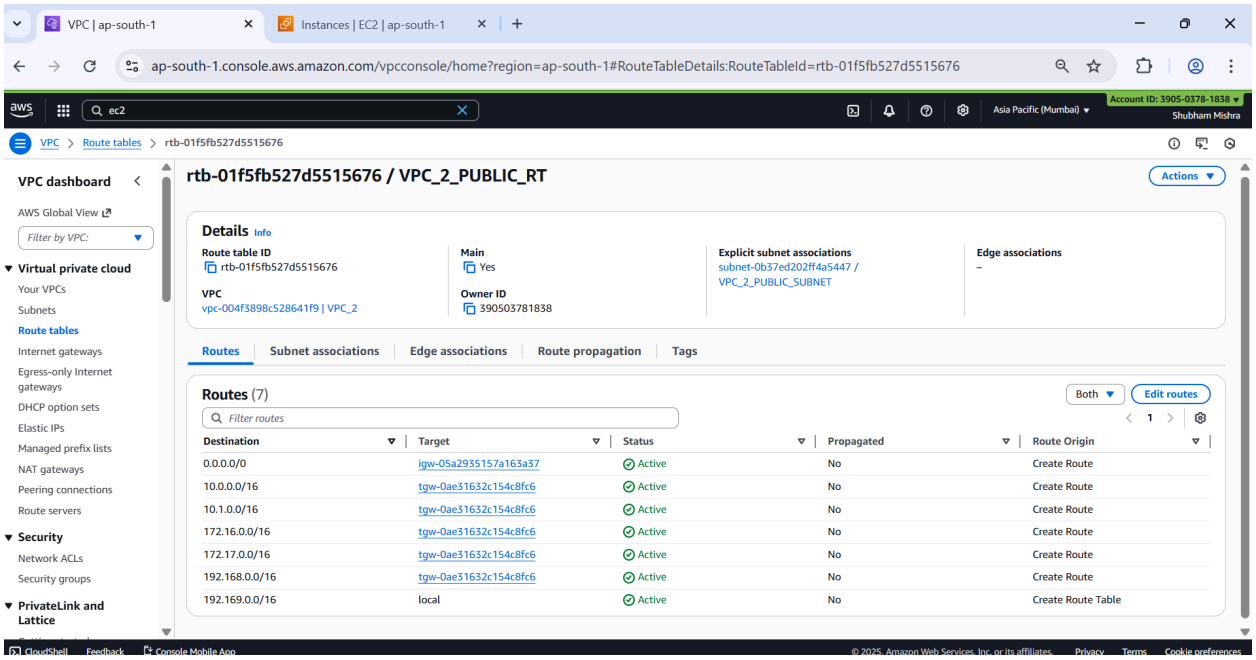


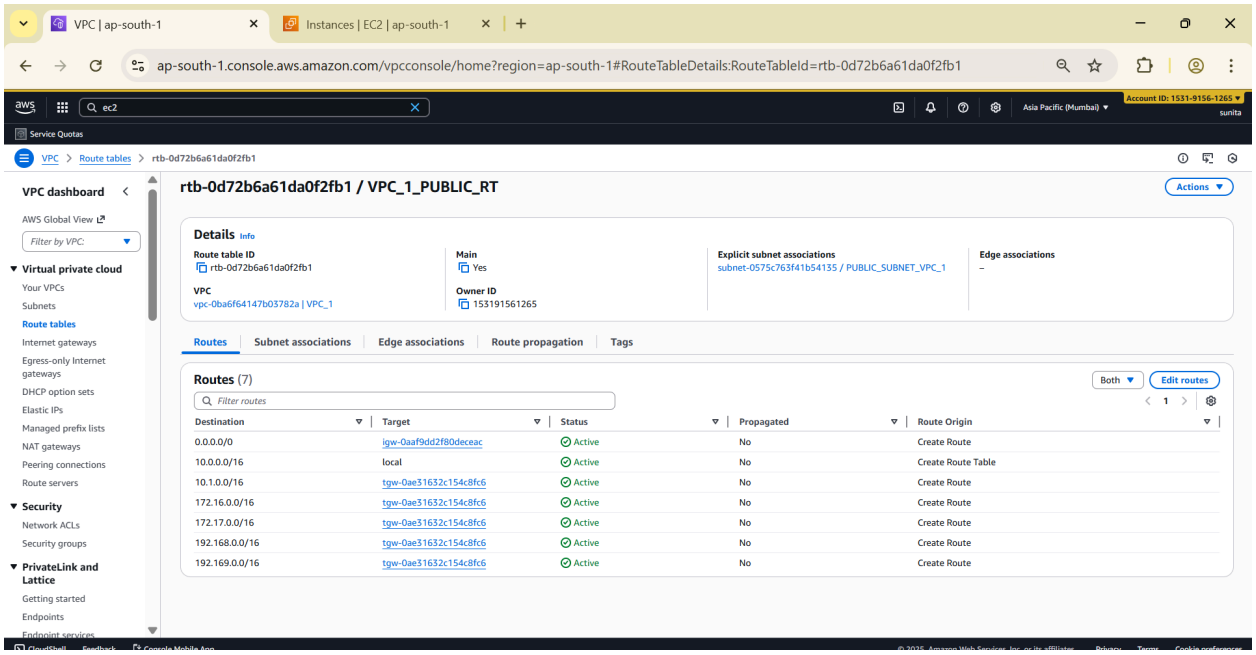
Step 41) But now we will have to update each vpc route table across account 1, 2 and 3 to allow cidr block of other vpc across accounts.

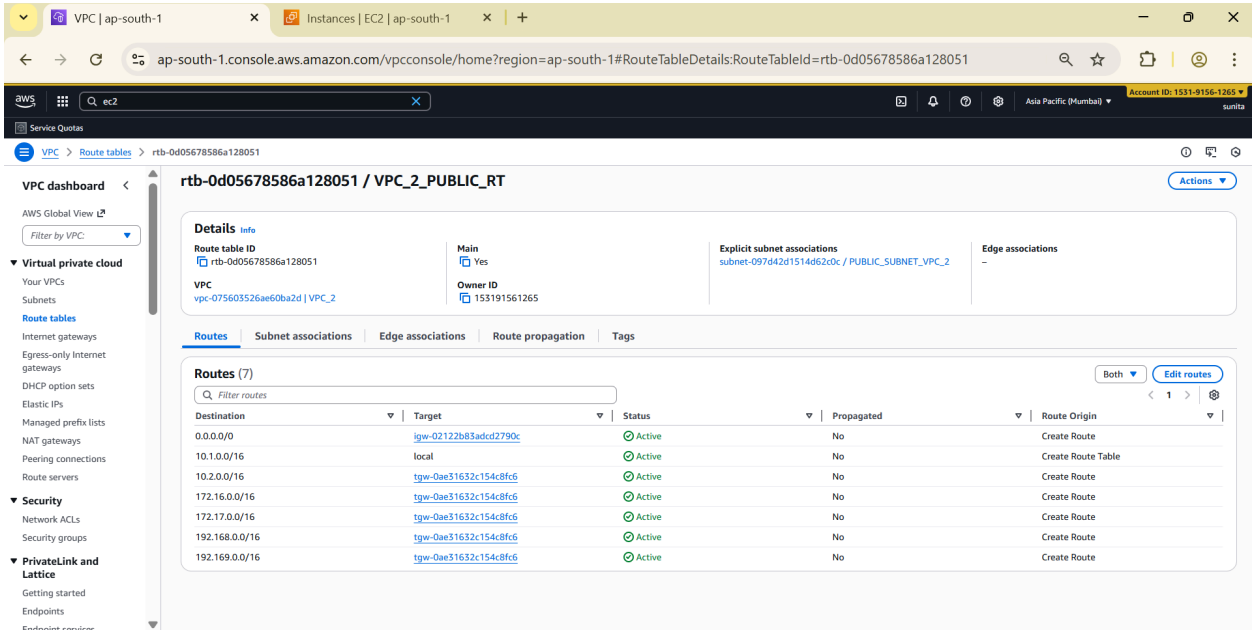

VPC | ap-south-1
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0ad305570336f4a27
VPC > Route tables > rtb-0ad305570336f4a27
VPC dashboard
Details Info
Route table ID
rtb-0ad305570336f4a27
Main
Yes
Explicit subnet associations
subnet-07e79587f835cc11c / VPC_2_PUBLIC_SUBNET
Edge associations
–
VPC
vpc-008e17c937ba3be3d | DEMO_VPC_2
Owner ID
638559983526
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (7)
Filter routes
Both
Edit routes
Destination
Target
Status
Propagated
Route Origin
0.0.0.0/0
igw-002eb6baa8d8d82ac
Active
No
Create Route
10.0.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
10.1.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
172.16.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
172.17.0.0/16
local
Active
No
Create Route Table
192.168.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
192.169.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route


VPC | ap-south-1
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0b9cf6f0586644879
VPC > Route tables > rtb-0b9cf6f0586644879
VPC dashboard
rtb-0b9cf6f0586644879 / VPC_1_PUBLIC_RT
Actions
Details Info
Route table ID
rtb-0b9cf6f0586644879
Main
Yes
Explicit subnet associations
subnet-03243dad05d4ef2db / VPC_1_PUBLIC_SUBNET
Edge associations
–
VPC
vpc-0348db37eda8263da | DEMO_VPC_1
Owner ID
638559983526
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (7)
Filter routes
Both
Edit routes
Destination
Target
Status
Propagated
Route Origin
0.0.0.0/0
igw-0aa4510f32dd6b670
Active
No
Create Route
10.0.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
10.1.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
172.16.0.0/16
local
Active
No
Create Route Table
172.17.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
192.168.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route
192.169.0.0/16
tgw-0ae31632c154c8fc6
Active
No
Create Route

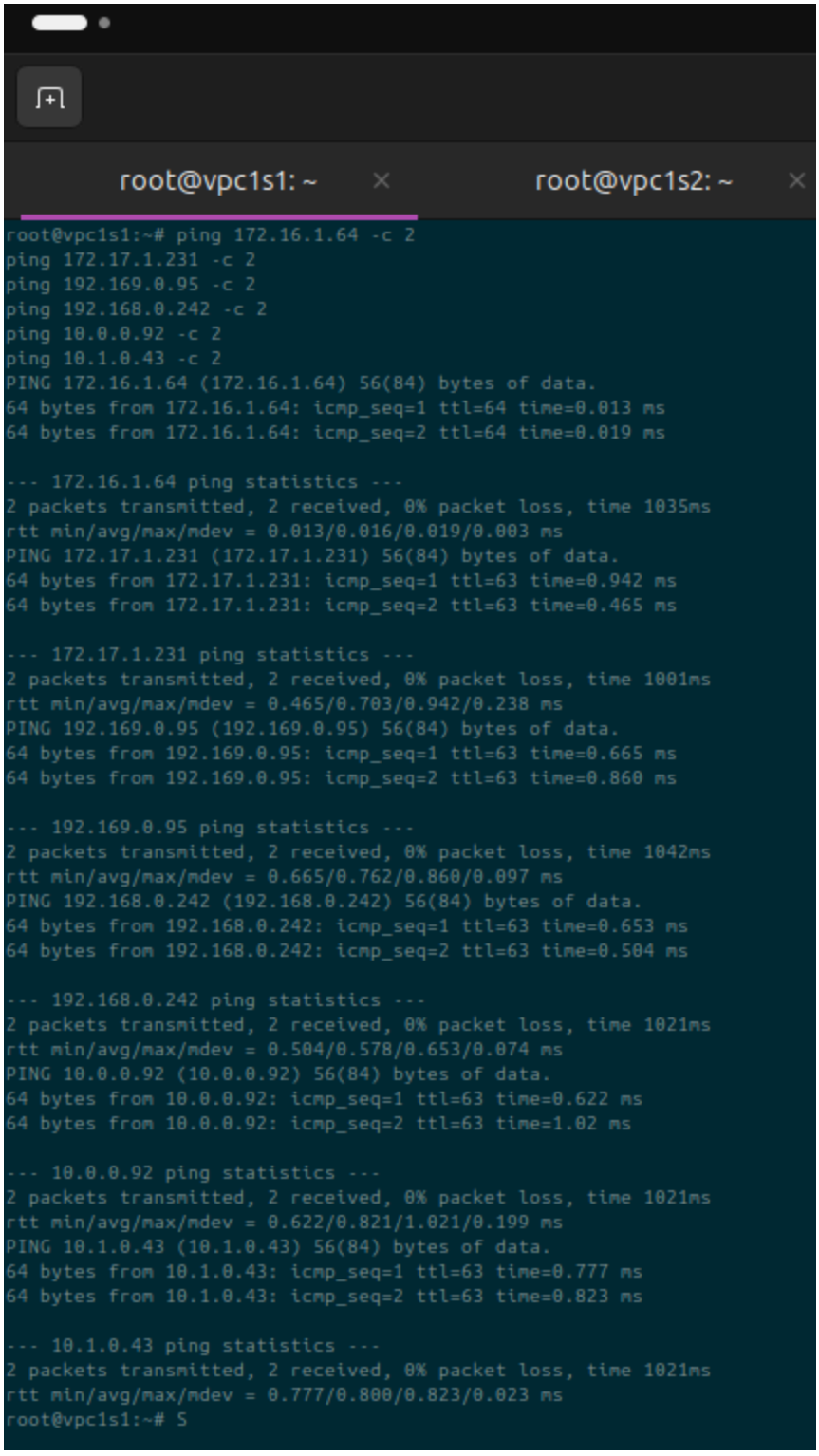

VPC | ap-south-1
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0c63017f70965af7f
ec2
Asia Pacific (Mumbai)
Account ID: 3905-0378-1838
Shubham Mishra
VPC > Route tables > rtb-0c63017f70965af7f
VPC dashboard
AWS Global 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
Route servers
Security
Network ACLs
Security groups
PrivateLink and Lattice
rtb-0c63017f70965af7f / VPC_1_PUBLIC_RT
Actions
Details Info
Route table ID
rtb-0c63017f70965af7f
Main
Yes
Explicit subnet associations
subnet-083b0c849e4daa25f / VPC_1_PUBLIC_SUBNET
Edge associations
–
VPC
vpc-00af422bf693dfec9 | VPC_1
Owner ID
390503781838
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (7)
Both
Edit routes
Filter routes
Destination
Target
Status
Propagated
Route Origin
0.0.0.0/0 igw-043171f12530ada05 Active No Create Route
10.0.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
10.1.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
172.16.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
172.17.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
192.168.0.0/16 local Active No Create Route Table
192.169.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route

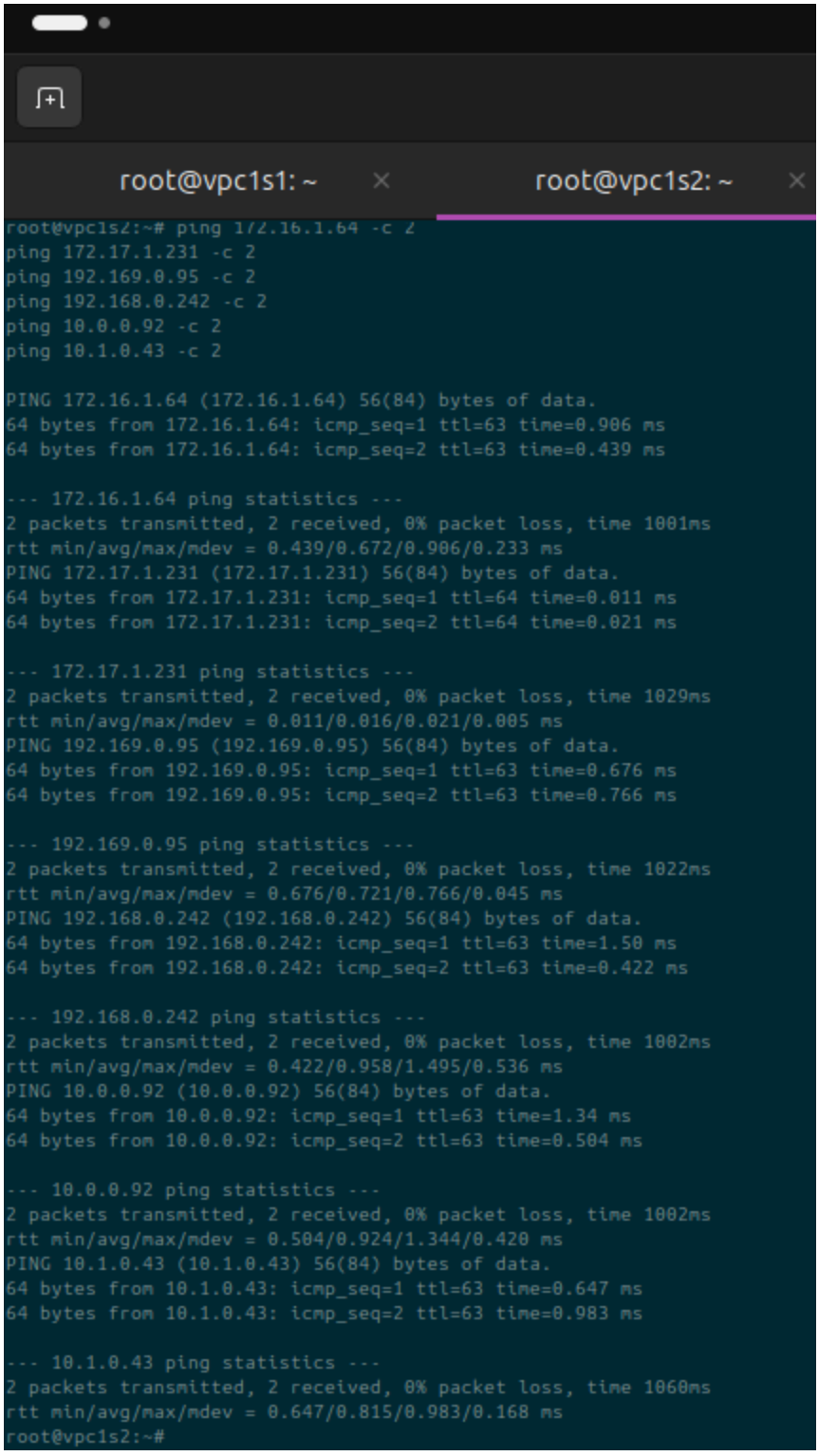

VPC | ap-south-1
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-01f5fb527d5515676
ec2
Asia Pacific (Mumbai)
Account ID: 3905-0378-1838
Shubham Mishra
VPC > Route tables > rtb-01f5fb527d5515676
VPC dashboard
AWS Global 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
Route servers
Security
Network ACLs
Security groups
PrivateLink and Lattice
rtb-01f5fb527d5515676 / VPC_2_PUBLIC_RT
Actions
Details Info
Route table ID
rtb-01f5fb527d5515676
Main
Yes
Explicit subnet associations
subnet-0b37ed202ff4a5447 / VPC_2_PUBLIC_SUBNET
Edge associations
–
VPC
vpc-004f3898c528641f9 | VPC_2
Owner ID
390503781838
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (7)
Both
Edit routes
Filter routes
Destination
Target
Status
Propagated
Route Origin
0.0.0.0/0 igw-05a2935157a163a37 Active No Create Route
10.0.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
10.1.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
172.16.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
172.17.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
192.168.0.0/16 tgw-0ae31632c154c8fc6 Active No Create Route
192.169.0.0/16 local Active No Create Route Table
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

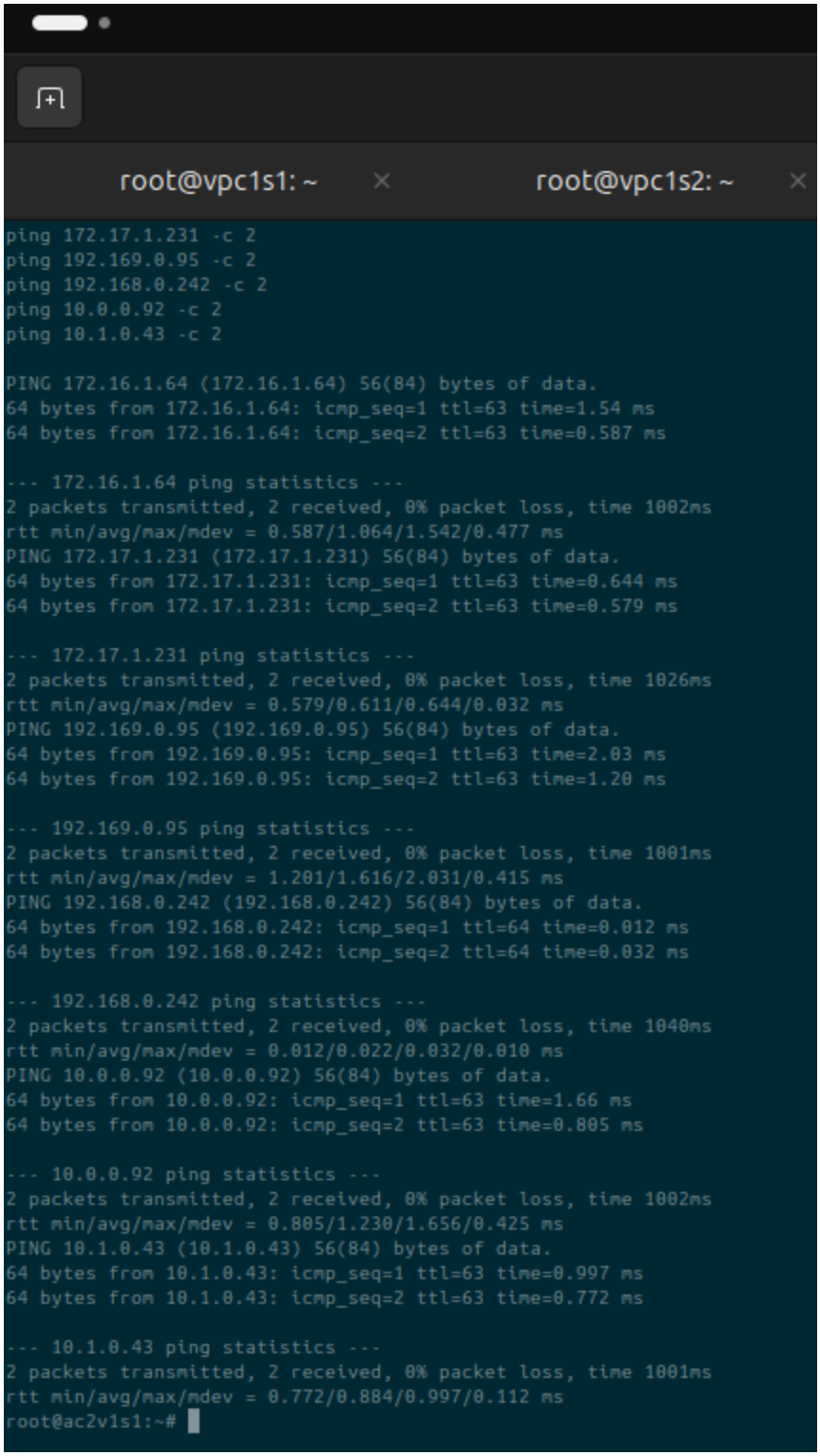


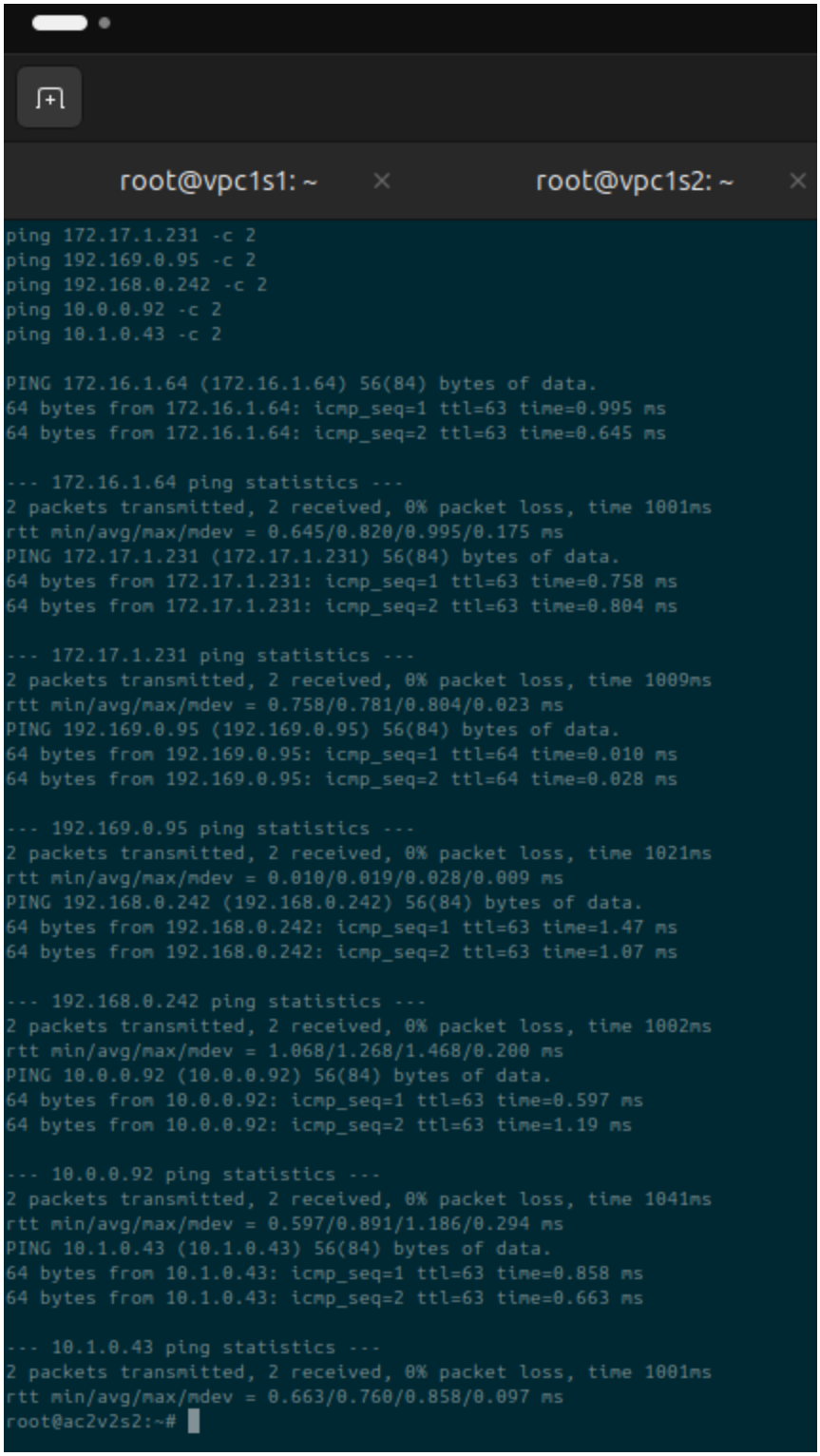


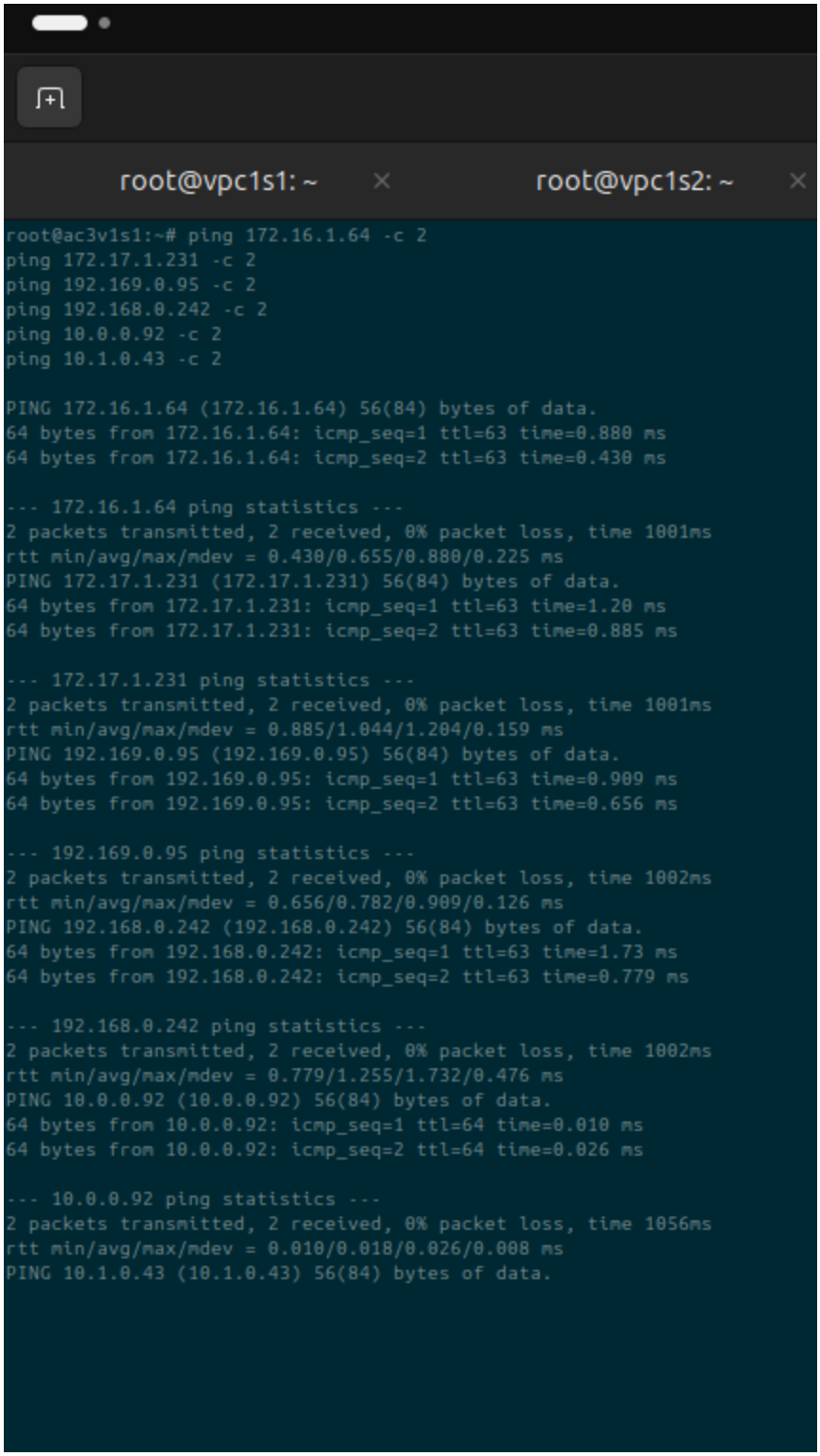
Step 42) Now we can see that all vpc across three accounts can all ping each other over private ip address which confirms all the vpcs can reach other over internal network using TGW.

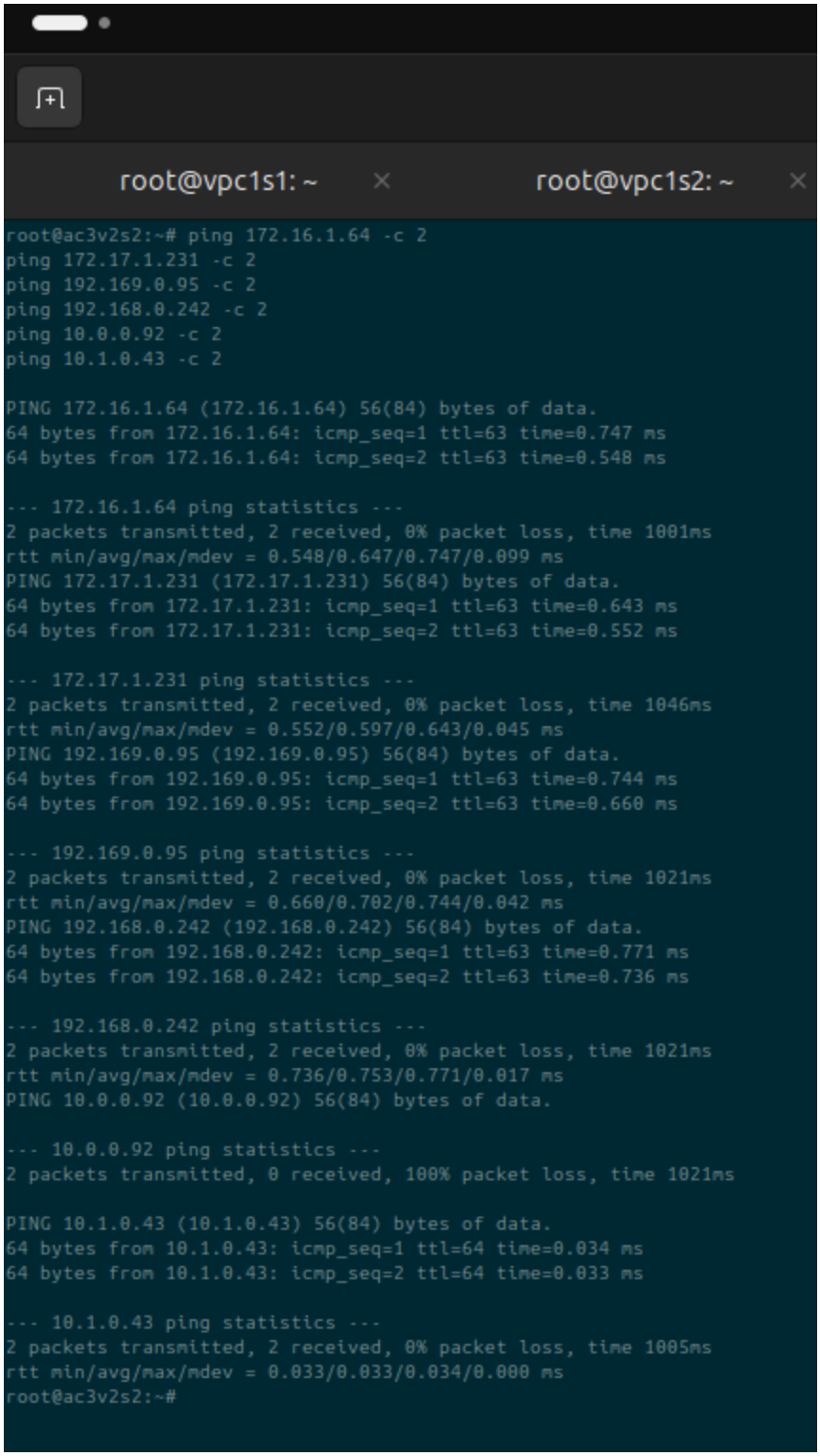

root@vpc1s1: ~
root@vpc1s2: ~
root@vpc1s1:~# ping 172.16.1.64 -c 2
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=64 time=0.013 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=64 time=0.019 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1035ms
rtt min/avg/max/mdev = 0.013/0.016/0.019/0.003 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=63 time=0.942 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=63 time=0.465 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.465/0.703/0.942/0.238 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=63 time=0.665 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=63 time=0.860 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1042ms
rtt min/avg/max/mdev = 0.665/0.762/0.860/0.097 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=63 time=0.653 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=63 time=0.504 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.504/0.578/0.653/0.074 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
64 bytes from 10.0.0.92: icmp_seq=1 ttl=63 time=0.622 ms
64 bytes from 10.0.0.92: icmp_seq=2 ttl=63 time=1.02 ms
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.622/0.821/1.021/0.199 ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.
64 bytes from 10.1.0.43: icmp_seq=1 ttl=63 time=0.777 ms
64 bytes from 10.1.0.43: icmp_seq=2 ttl=63 time=0.823 ms
--- 10.1.0.43 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.777/0.800/0.823/0.023 ms
root@vpc1s1:~# S


root@vpc1s1: ~
root@vpc1s2: ~
root@vpc1s2:~# ping 172.16.1.64 -c 2
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=63 time=0.906 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=63 time=0.439 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.439/0.672/0.906/0.233 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=64 time=0.011 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=64 time=0.021 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1029ms
rtt min/avg/max/mdev = 0.011/0.016/0.021/0.005 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=63 time=0.676 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=63 time=0.766 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1022ms
rtt min/avg/max/mdev = 0.676/0.721/0.766/0.045 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=63 time=1.50 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=63 time=0.422 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.422/0.958/1.495/0.536 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
64 bytes from 10.0.0.92: icmp_seq=1 ttl=63 time=1.34 ms
64 bytes from 10.0.0.92: icmp_seq=2 ttl=63 time=0.504 ms
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.504/0.924/1.344/0.420 ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.
64 bytes from 10.1.0.43: icmp_seq=1 ttl=63 time=0.647 ms
64 bytes from 10.1.0.43: icmp_seq=2 ttl=63 time=0.983 ms
--- 10.1.0.43 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1060ms
rtt min/avg/max/mdev = 0.647/0.815/0.983/0.168 ms
root@vpc1s2:~#


root@vpc1s1: ~
root@vpc1s2: ~
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=63 time=1.54 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=63 time=0.587 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.587/1.064/1.542/0.477 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=63 time=0.644 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=63 time=0.579 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1026ms
rtt min/avg/max/mdev = 0.579/0.611/0.644/0.032 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=63 time=2.03 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=63 time=1.20 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 1.201/1.616/2.031/0.415 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=64 time=0.012 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=64 time=0.032 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1040ms
rtt min/avg/max/mdev = 0.012/0.022/0.032/0.010 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
64 bytes from 10.0.0.92: icmp_seq=1 ttl=63 time=1.66 ms
64 bytes from 10.0.0.92: icmp_seq=2 ttl=63 time=0.805 ms
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.805/1.230/1.656/0.425 ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.
64 bytes from 10.1.0.43: icmp_seq=1 ttl=63 time=0.997 ms
64 bytes from 10.1.0.43: icmp_seq=2 ttl=63 time=0.772 ms
--- 10.1.0.43 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.772/0.884/0.997/0.112 ms
root@ac2v1s1:~#


root@vpc1s1: ~
root@vpc1s2: ~
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=63 time=0.995 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=63 time=0.645 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.645/0.820/0.995/0.175 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=63 time=0.758 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=63 time=0.804 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1009ms
rtt min/avg/max/mdev = 0.758/0.781/0.804/0.023 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=64 time=0.010 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=64 time=0.028 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.010/0.019/0.028/0.009 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=63 time=1.47 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=63 time=1.07 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 1.068/1.268/1.468/0.200 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
64 bytes from 10.0.0.92: icmp_seq=1 ttl=63 time=0.597 ms
64 bytes from 10.0.0.92: icmp_seq=2 ttl=63 time=1.19 ms
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1041ms
rtt min/avg/max/mdev = 0.597/0.891/1.186/0.294 ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.
64 bytes from 10.1.0.43: icmp_seq=1 ttl=63 time=0.858 ms
64 bytes from 10.1.0.43: icmp_seq=2 ttl=63 time=0.663 ms
--- 10.1.0.43 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.663/0.760/0.858/0.097 ms
root@ac2v2s2:~#


root@vpc1s1: ~
root@vpc1s2: ~
root@ac3v1s1:~# ping 172.16.1.64 -c 2
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=63 time=0.880 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=63 time=0.430 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.430/0.655/0.880/0.225 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=63 time=1.20 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=63 time=0.885 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.885/1.044/1.204/0.159 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=63 time=0.909 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=63 time=0.656 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.656/0.782/0.909/0.126 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=63 time=1.73 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=63 time=0.779 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.779/1.255/1.732/0.476 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
64 bytes from 10.0.0.92: icmp_seq=1 ttl=64 time=0.010 ms
64 bytes from 10.0.0.92: icmp_seq=2 ttl=64 time=0.026 ms
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1056ms
rtt min/avg/max/mdev = 0.010/0.018/0.026/0.008 ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.


root@vpc1s1: ~
root@vpc1s2: ~
root@ac3v2s2:~# ping 172.16.1.64 -c 2
ping 172.17.1.231 -c 2
ping 192.169.0.95 -c 2
ping 192.168.0.242 -c 2
ping 10.0.0.92 -c 2
ping 10.1.0.43 -c 2
PING 172.16.1.64 (172.16.1.64) 56(84) bytes of data.
64 bytes from 172.16.1.64: icmp_seq=1 ttl=63 time=0.747 ms
64 bytes from 172.16.1.64: icmp_seq=2 ttl=63 time=0.548 ms
--- 172.16.1.64 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.548/0.647/0.747/0.099 ms
PING 172.17.1.231 (172.17.1.231) 56(84) bytes of data.
64 bytes from 172.17.1.231: icmp_seq=1 ttl=63 time=0.643 ms
64 bytes from 172.17.1.231: icmp_seq=2 ttl=63 time=0.552 ms
--- 172.17.1.231 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1046ms
rtt min/avg/max/mdev = 0.552/0.597/0.643/0.045 ms
PING 192.169.0.95 (192.169.0.95) 56(84) bytes of data.
64 bytes from 192.169.0.95: icmp_seq=1 ttl=63 time=0.744 ms
64 bytes from 192.169.0.95: icmp_seq=2 ttl=63 time=0.660 ms
--- 192.169.0.95 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.660/0.702/0.744/0.042 ms
PING 192.168.0.242 (192.168.0.242) 56(84) bytes of data.
64 bytes from 192.168.0.242: icmp_seq=1 ttl=63 time=0.771 ms
64 bytes from 192.168.0.242: icmp_seq=2 ttl=63 time=0.736 ms
--- 192.168.0.242 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1021ms
rtt min/avg/max/mdev = 0.736/0.753/0.771/0.017 ms
PING 10.0.0.92 (10.0.0.92) 56(84) bytes of data.
--- 10.0.0.92 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1021ms
PING 10.1.0.43 (10.1.0.43) 56(84) bytes of data.
64 bytes from 10.1.0.43: icmp_seq=1 ttl=64 time=0.034 ms
64 bytes from 10.1.0.43: icmp_seq=2 ttl=64 time=0.033 ms
--- 10.1.0.43 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1005ms
rtt min/avg/max/mdev = 0.033/0.033/0.034/0.000 ms
root@ac3v2s2:~#