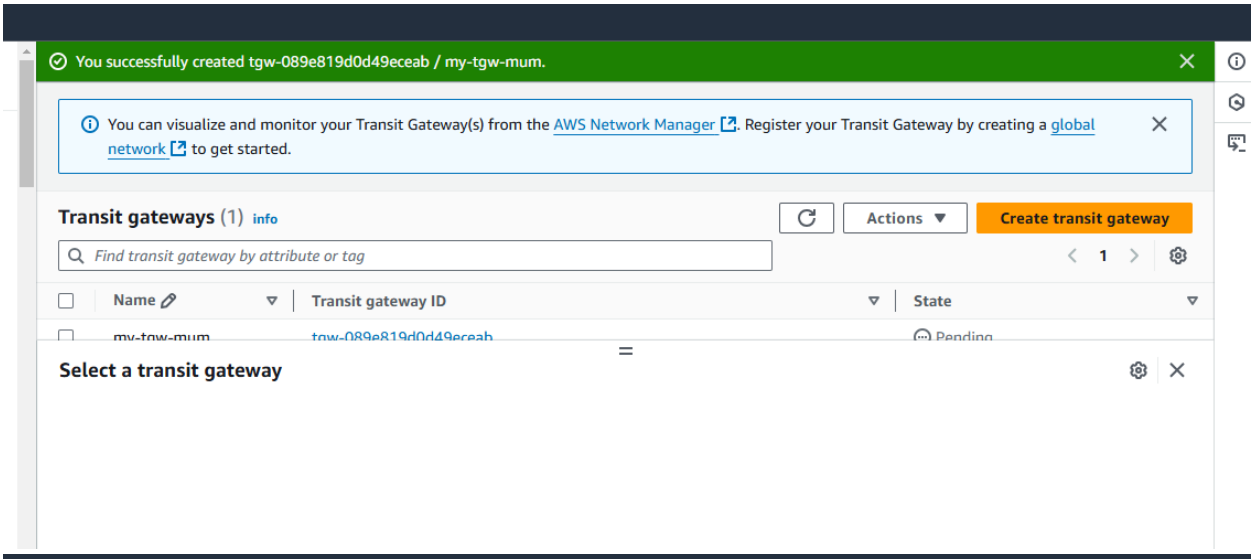
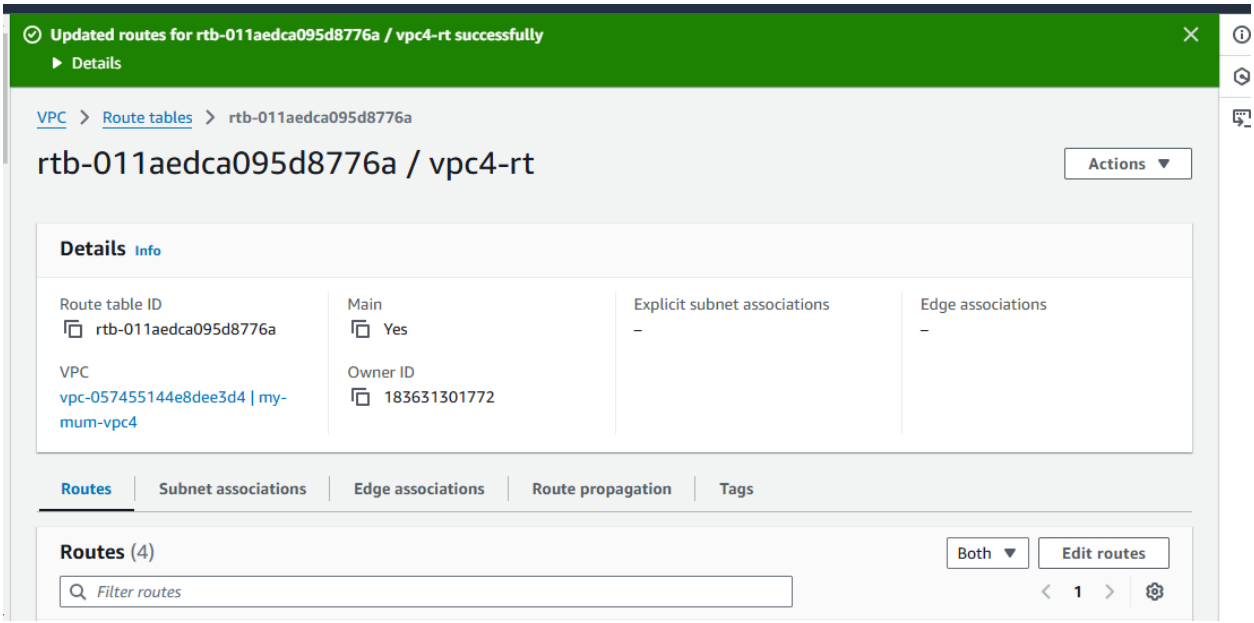
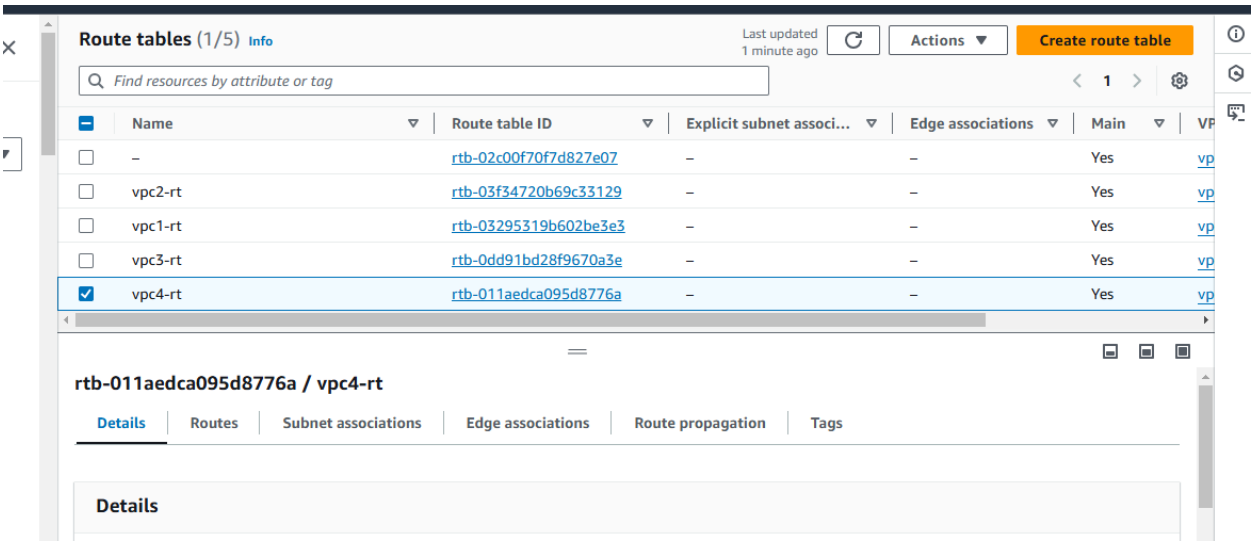
Vpc Tasks 03

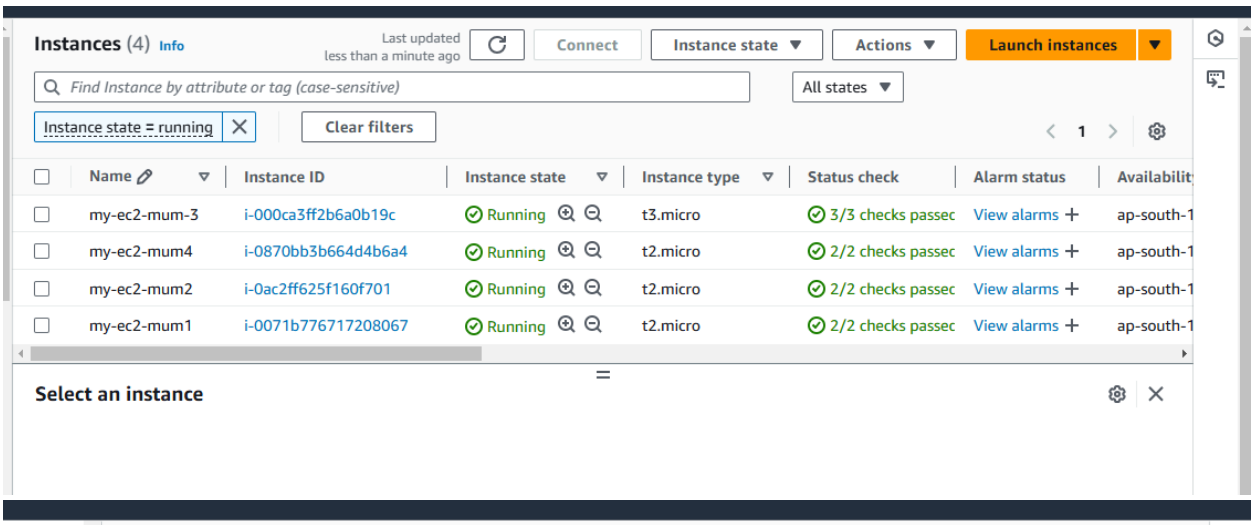
Design and deploy a scalable network architecture using AWS Transit Gateway to simplify network connectivity between multiple VPCs.

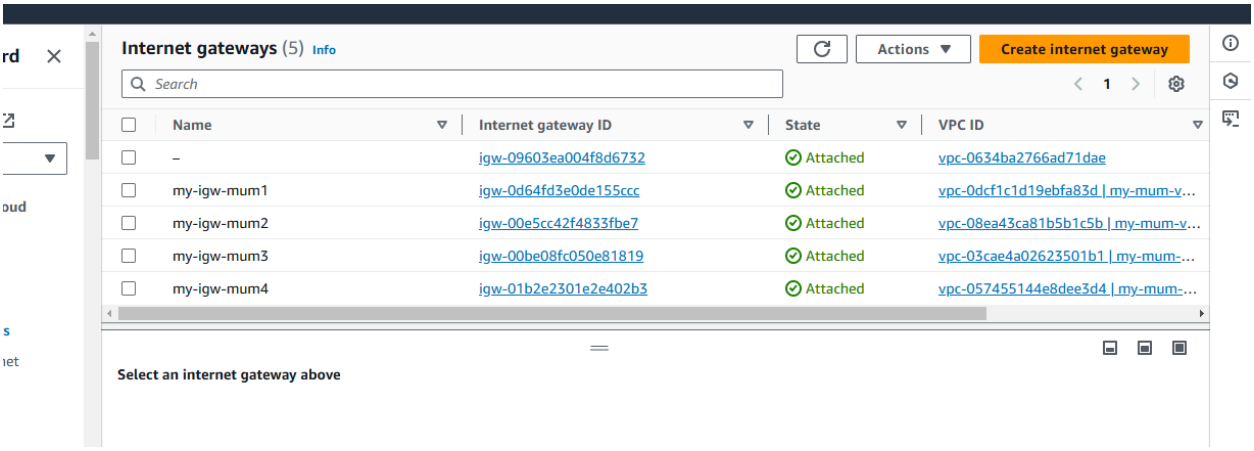
Region Mumbai

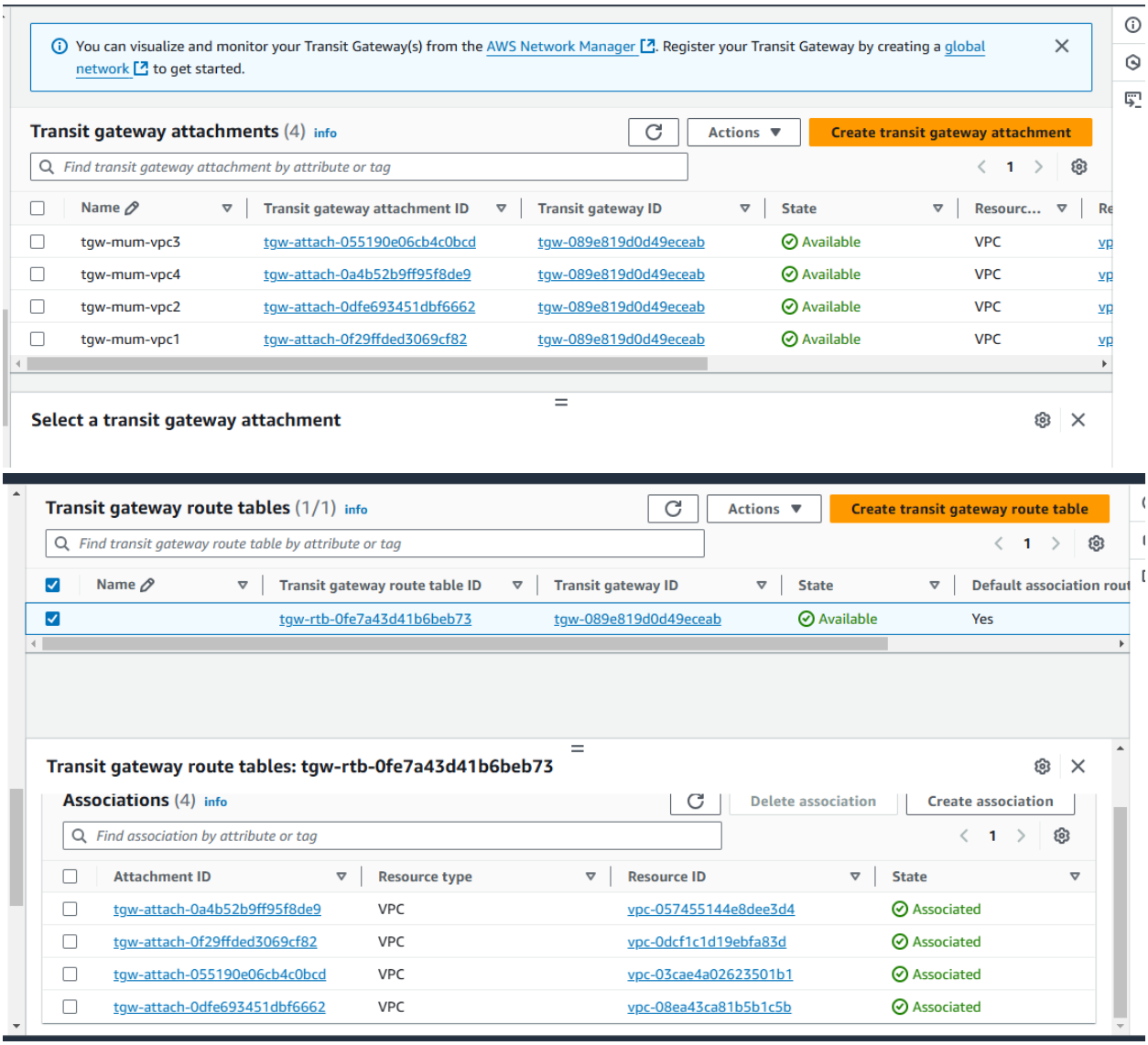


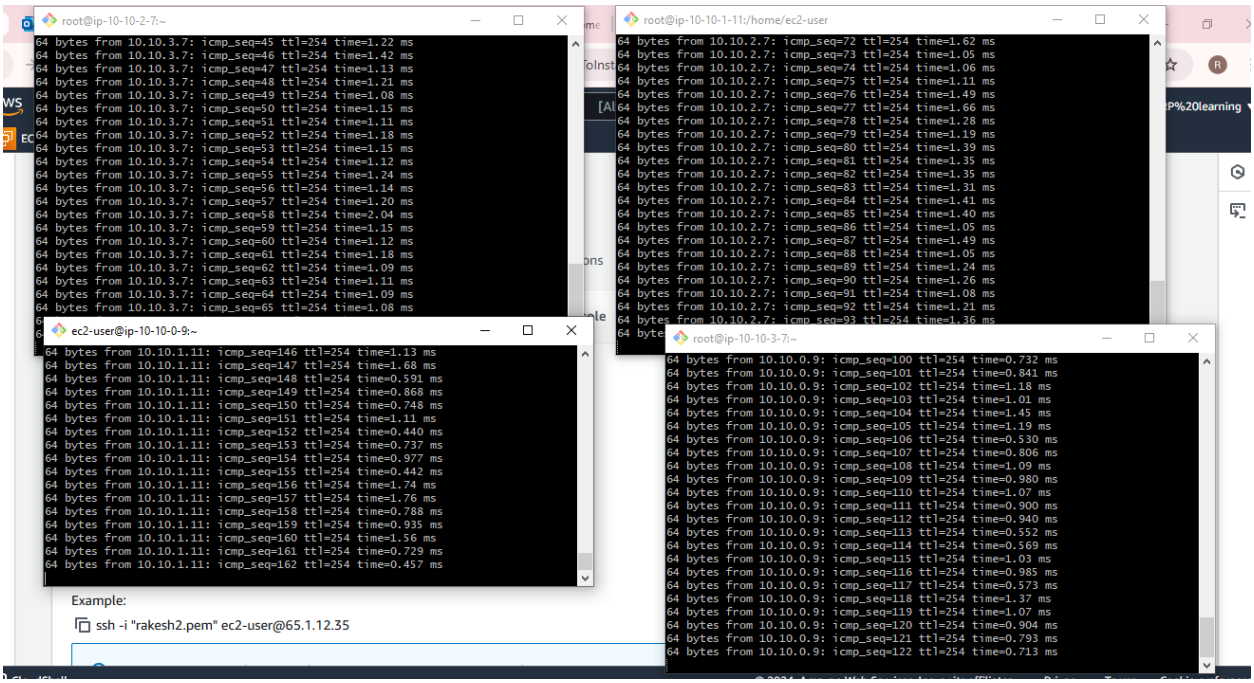



Route tables (1/5) Info
Last updated 1 minute ago
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
– rtb-02c00f70f7d827e07 – – Yes
vpc2-rt rtb-03f34720b69c33129 – – Yes
vpc1-rt rtb-03295319b602be3e3 – – Yes
vpc3-rt rtb-0dd91bd28f9670a3e – – Yes
vpc4-rt rtb-011aedca095d8776a – – Yes
rtb-011aedca095d8776a / vpc4-rt
Details
Routes
Subnet associations
Edge associations
Route propagation
Tags
Details

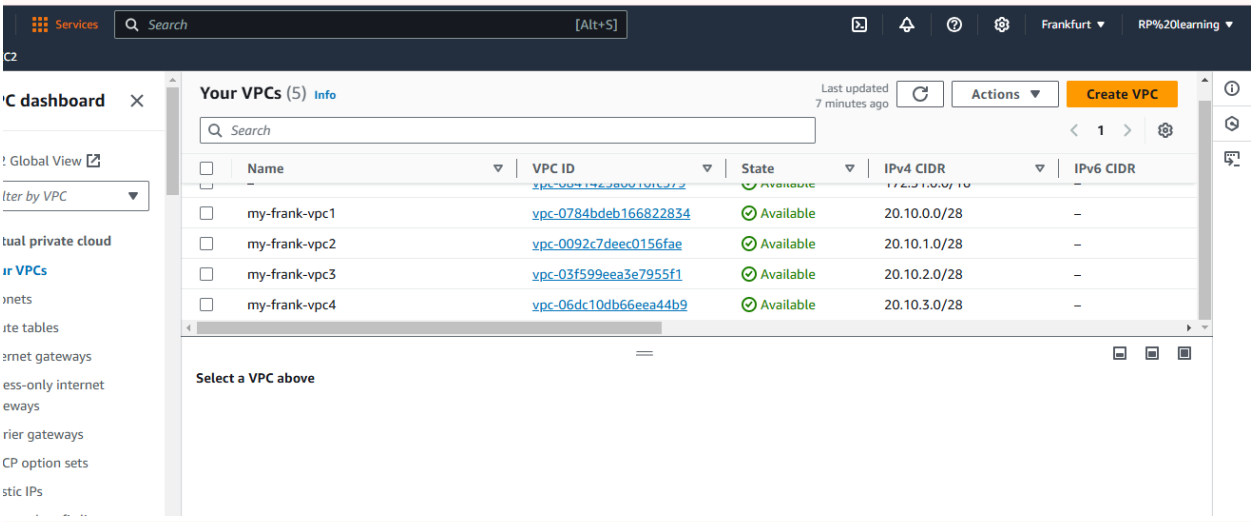

Instances (4) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
my-ec2-mum-3 i-000ca3ff2b6a0b19c Running t3.micro 3/3 checks passec View alarms ap-south-1
my-ec2-mum4 i-0870bb3b664d4b6a4 Running t2.micro 2/2 checks passec View alarms ap-south-1
my-ec2-mum2 i-0ac2ff625f160f701 Running t2.micro 2/2 checks passec View alarms ap-south-1
my-ec2-mum1 i-0071b776717208067 Running t2.micro 2/2 checks passec View alarms ap-south-1
Select an instance

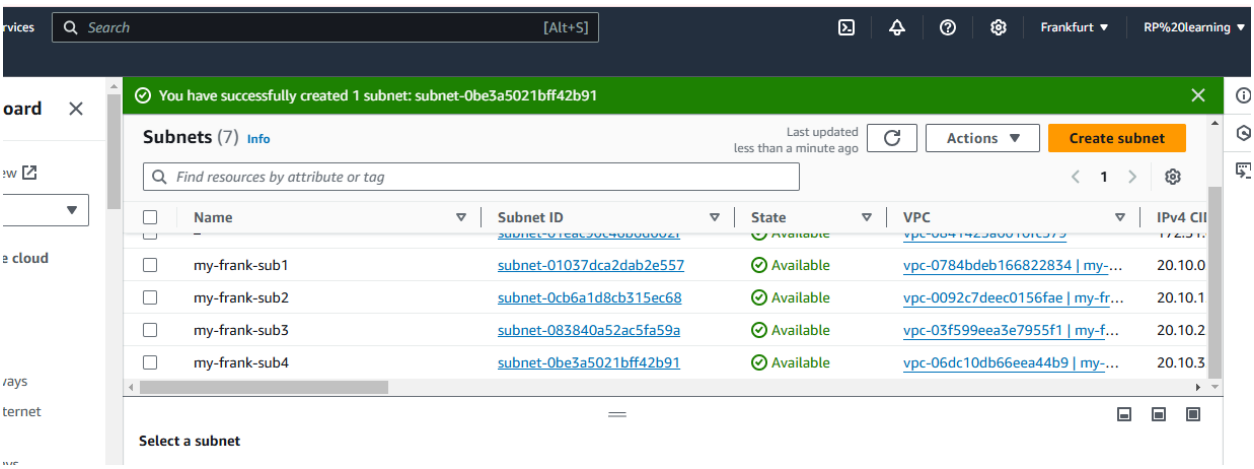

Internet gateways (5) Info
Actions
Create internet gateway
Search
Name
Internet gateway ID
State
VPC ID
– igw-09603ea004f8d6732 Attached vpc-0634ba2766ad71dae
my-igw-mum1 igw-0d64fd3e0de155ccc Attached vpc-0dcf1c1d19ebfa83d | my-mum-v...
my-igw-mum2 igw-00e5cc42f4833fbe7 Attached vpc-08ea43ca81b5b1c5b | my-mum-v...
my-igw-mum3 igw-00be08fc050e81819 Attached vpc-03cae4a02623501b1 | my-mum-...
my-igw-mum4 igw-01b2e2301e2e402b3 Attached vpc-057455144e8dee3d4 | my-mum-...
Select an internet gateway above

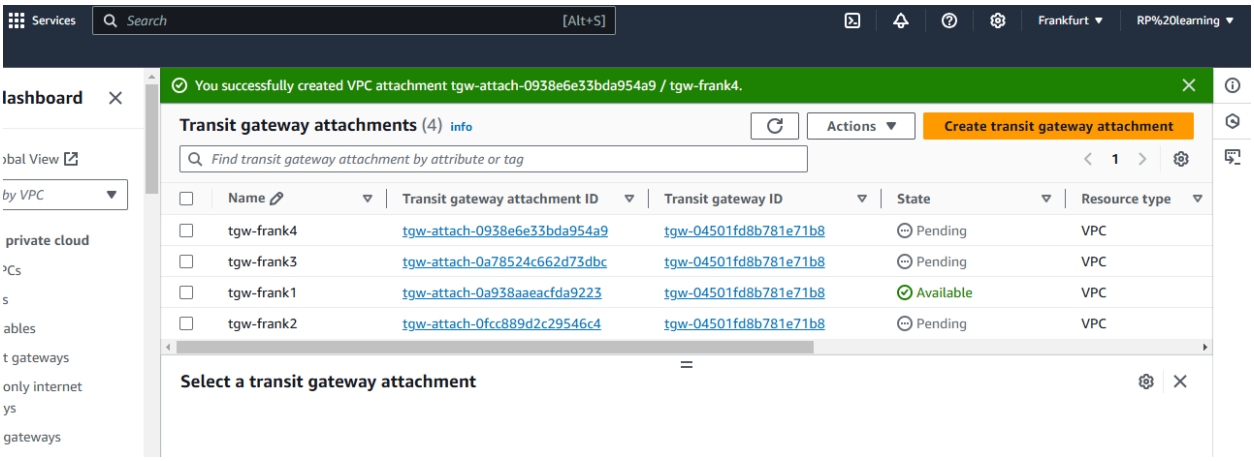

You can visualize and monitor your Transit Gateway(s) from the AWS Network Manager. Register your Transit Gateway by creating a global network to get started.
Transit gateway attachments (4) info
Actions
Create transit gateway attachment
Find transit gateway attachment by attribute or tag
Name
Transit gateway attachment ID
Transit gateway ID
State
Resourc...
tgw-mum-vpc3 tgw-attach-055190e06cb4c0bcd tgw-089e819d0d49eceab Available VPC
tgw-mum-vpc4 tgw-attach-0a4b52b9ff95f8de9 tgw-089e819d0d49eceab Available VPC
tgw-mum-vpc2 tgw-attach-0dfe693451dbf6662 tgw-089e819d0d49eceab Available VPC
tgw-mum-vpc1 tgw-attach-0f29ffded3069cf82 tgw-089e819d0d49eceab Available VPC
Select a transit gateway attachment
Transit gateway route tables (1/1) info
Actions
Create transit gateway route table
Find transit gateway route table by attribute or tag
Name
Transit gateway route table ID
Transit gateway ID
State
Default association rout
tgw-rtb-0fe7a43d41b6beb73 tgw-089e819d0d49eceab Available Yes
Transit gateway route tables: tgw-rtb-0fe7a43d41b6beb73
Associations (4) info
Delete association
Create association
Find association by attribute or tag
Attachment ID
Resource type
Resource ID
State
tgw-attach-0a4b52b9ff95f8de9 VPC vpc-057455144e8dee3d4 Associated
tgw-attach-0f29ffded3069cf82 VPC vpc-0dcf1c1d19ebfa83d Associated
tgw-attach-055190e06cb4c0bcd VPC vpc-03cae4a02623501b1 Associated
tgw-attach-0dfe693451dbf6662 VPC vpc-08ea43ca81b5b1c5b Associated

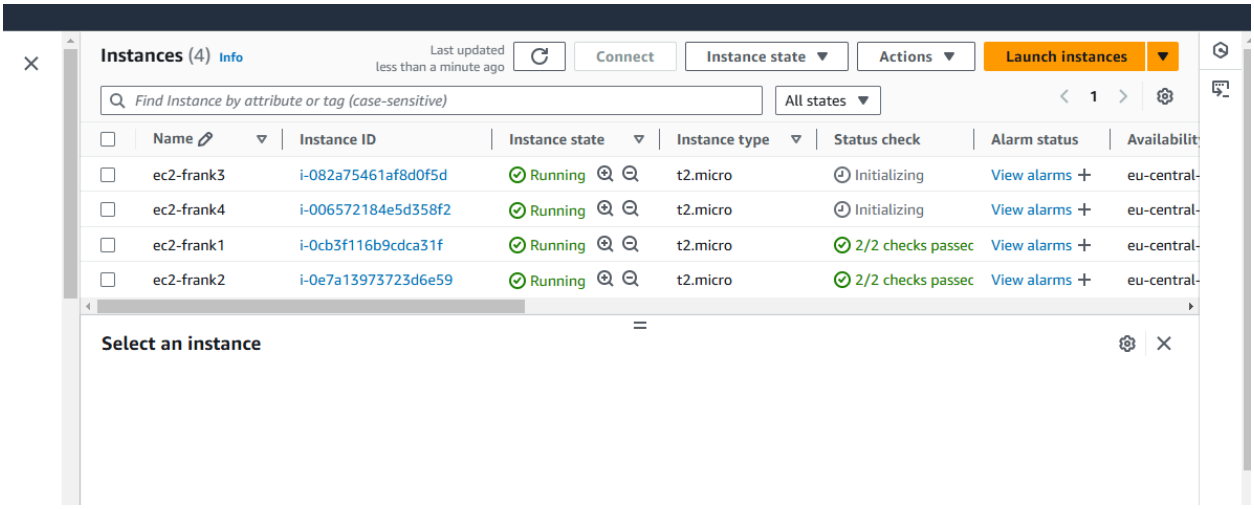


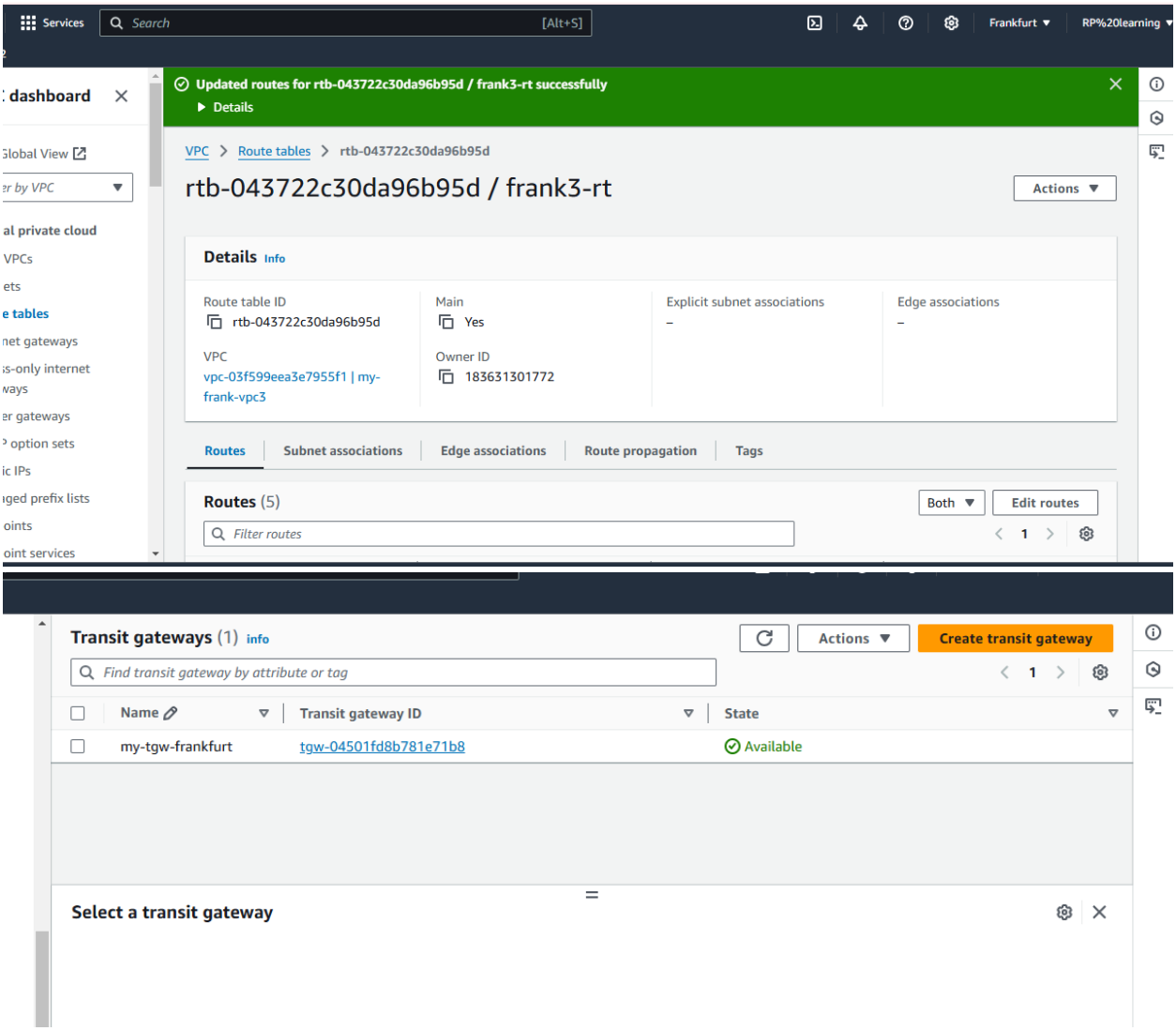
Eu Frankfurt Region



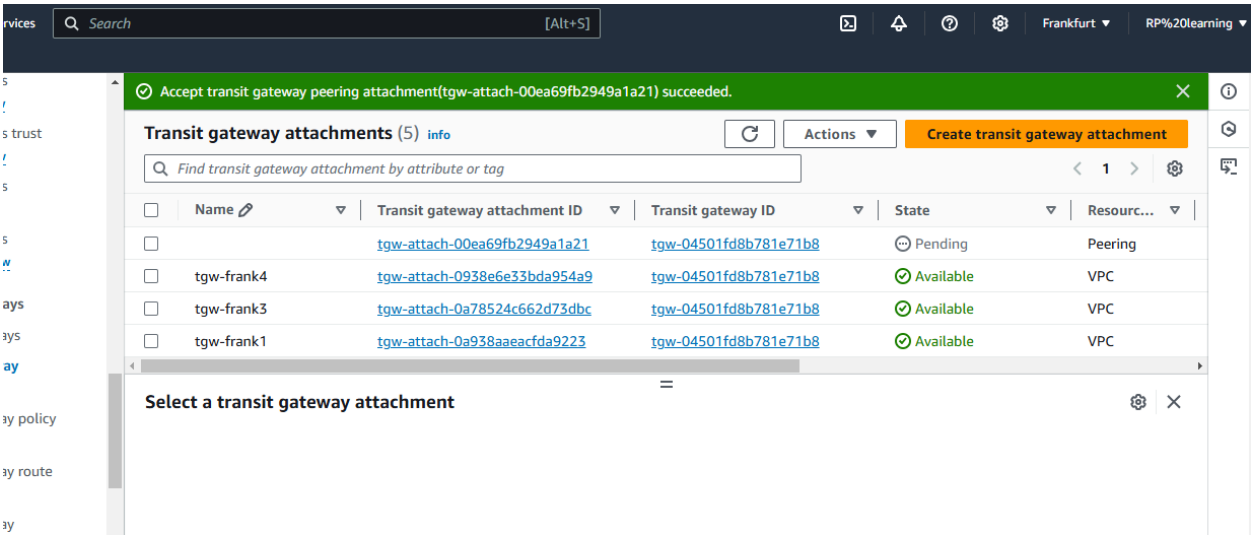



Services
Search
[Alt+S]
Frankfurt
RP%20learning
You successfully created VPC attachment tgw-attach-0938e6e33bda954a9 / tgw-frank4.
Transit gateway attachments (4) info
Actions
Create transit gateway attachment
Find transit gateway attachment by attribute or tag
Name
Transit gateway attachment ID
Transit gateway ID
State
Resource type
tgw-frank4 tgw-attach-0938e6e33bda954a9 tgw-04501fd8b781e71b8 Pending VPC
tgw-frank3 tgw-attach-0a78524c662d73dbc tgw-04501fd8b781e71b8 Pending VPC
tgw-frank1 tgw-attach-0a938aaeacfda9223 tgw-04501fd8b781e71b8 Available VPC
tgw-frank2 tgw-attach-0fcc889d2c29546c4 tgw-04501fd8b781e71b8 Pending VPC
Select a transit gateway attachment


Instances (4) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
ec2-frank3 i-082a75461af8d0f5d Running t2.micro Initializing View alarms
ec2-frank4 i-006572184e5d358f2 Running t2.micro Initializing View alarms
ec2-frank1 i-0cb3f116b9cdca31f Running t2.micro 2/2 checks passec View alarms
ec2-frank2 i-0e7a13973723d6e59 Running t2.micro 2/2 checks passec View alarms
Select an instance


Services
Search
[Alt+S]
Frankfurt
RP%20learning
dashboard
Updated routes for rtb-043722c30da96b95d / frank3-rt successfully
Details
VPC > Route tables > rtb-043722c30da96b95d
rtb-043722c30da96b95d / frank3-rt
Actions
Details Info
Route table ID
rtb-043722c30da96b95d
Main
Yes
Explicit subnet associations
–
Edge associations
–
VPC
vpc-03f599eea3e7955f1 | my-frank-vpc3
Owner ID
183631301772
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (5)
Both
Edit routes
Filter routes
Transit gateways (1) info
Actions
Create transit gateway
Find transit gateway by attribute or tag
Name
Transit gateway ID
State
my-tgw-frankfurt
tgw-04501fd8b781e71b8
Available
Select a transit gateway

TGW peering


Search
[Alt+S]
Frankfurt
RP%20learning
Accept transit gateway peering attachment(tgw-attach-00ea69fb2949a1a21) succeeded.
Transit gateway attachments (5) info
Actions
Create transit gateway attachment
Find transit gateway attachment by attribute or tag
Name
Transit gateway attachment ID
Transit gateway ID
State
Resourc...
tgw-attach-00ea69fb2949a1a21
tgw-04501fd8b781e71b8
Pending
Peering
tgw-frank4
tgw-attach-0938e6e33bda954a9
Available
VPC
tgw-frank3
tgw-attach-0a78524c662d73dbc
tgw-frank1
tgw-attach-0a938aaeacfda9223
Select a transit gateway attachment

Cross Rigon Ping

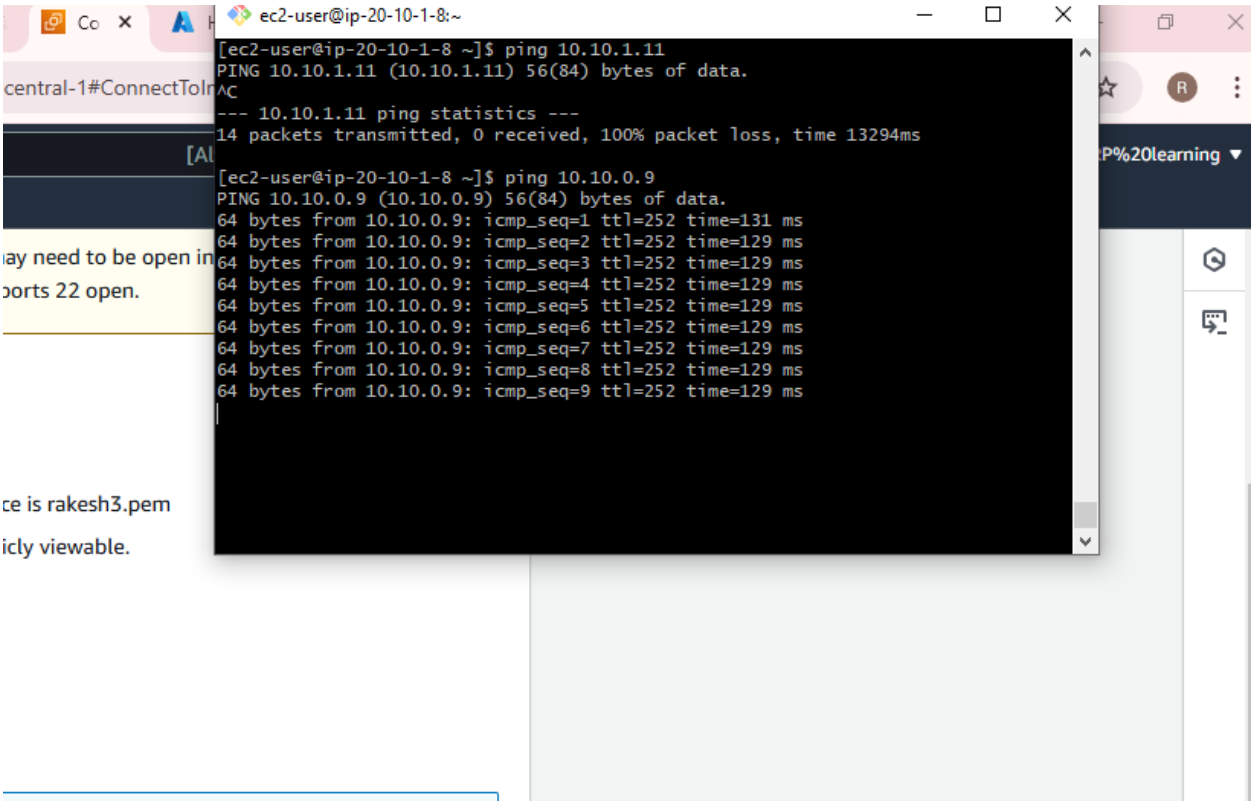
ec2-user@ip-10-10-0-9:~

```
      ~~._.   _/
         _/ _/       Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'           https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-20-10-0-10 ~]$
[ec2-user@ip-20-10-0-10 ~]$ client_loop: send disconnect: Connection reset by pe
er

nani@DESKTOP-O5K4621 MINGW64 ~/Downloads
$ ssh -i "rakesh3.pem" ec2-user@3.120.190.207
Last login: Wed Nov 13 13:13:36 2024 from 49.37.152.146
   ,     #_
   ~\_  ####_        Amazon Linux 2
  ~~  \_#####\
  ~~     \###|       AL2 End of Life is 2025-06-30.
  ~~       \#/ ___
   ~~       V~' '->
    ~~~         /    A newer version of Amazon Linux is available!
      ~~._.   _/
         _/ _/       Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'           https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-20-10-0-10 ~]$
[ec2-user@ip-20-10-0-10 ~]$ ping 20.10.2.4
PING 20.10.2.4 (20.10.2.4) 56(84) bytes of data.
64 bytes from 20.10.2.4: icmp_seq=1 ttl=254 time=2.80 ms
64 bytes from 20.10.2.4: icmp_seq=2 ttl=254 time=1.75 ms
64 bytes from 20.10.2.4: icmp_seq=3 ttl=254 time=2.51 ms
64 bytes from 20.10.2.4: icmp_seq=4 ttl=254 time=1.74 ms
64 bytes from 20.10.2.4: icmp_seq=5 ttl=254 time=1.56 ms
64 bytes from 20.10.2.4: icmp_seq=6 ttl=254 time=2.45 ms
64 bytes from 20.10.2.4: icmp_seq=7 ttl=254 time=1.51 ms
64 bytes from 20.10.2.4: icmp_seq=8 ttl=254 time=1.98 ms
64 bytes from 20.10.2.4: icmp_seq=9 ttl=254 time=1.73 ms
64 bytes from 20.10.2.4: icmp_seq=10 ttl=254 time=2.55 ms
64 bytes from 20.10.2.4: icmp_seq=11 ttl=254 time=2.04 ms
64 bytes from 20.10.2.4: icmp_seq=12 ttl=254 time=1.88 ms
64 bytes from 20.10.2.4: icmp_seq=13 ttl=254 time=2.13 ms
64 bytes from 20.10.2.4: icmp_seq=14 ttl=254 time=2.10 ms
64 bytes from 20.10.2.4: icmp_seq=15 ttl=254 time=3.76 ms
64 bytes from 20.10.2.4: icmp_seq=16 ttl=254 time=1.98 ms
64 bytes from 20.10.2.4: icmp_seq=17 ttl=254 time=2.21 ms
64 bytes from 20.10.2.4: icmp_seq=18 ttl=254 time=2.12 ms
64 bytes from 20.10.2.4: icmp_seq=19 ttl=254 time=1.77 ms
64 bytes from 20.10.2.4: icmp_seq=20 ttl=254 time=1.97 ms
64 bytes from 20.10.2.4: icmp_seq=21 ttl=254 time=2.77 ms
64 bytes from 20.10.2.4: icmp_seq=22 ttl=254 time=2.14 ms
64 bytes from 20.10.2.4: icmp_seq=23 ttl=254 time=2.07 ms
64 bytes from 20.10.2.4: icmp_seq=24 ttl=254 time=2.29 ms
64 bytes from 20.10.2.4: icmp_seq=25 ttl=254 time=1.78 ms
```


ec2-user@ip-20-10-1-8:~
[ec2-user@ip-20-10-1-8 ~]$ ping 10.10.1.11
PING 10.10.1.11 (10.10.1.11) 56(84) bytes of data.
^C
--- 10.10.1.11 ping statistics ---
14 packets transmitted, 0 received, 100% packet loss, time 13294ms
[ec2-user@ip-20-10-1-8 ~]$ ping 10.10.0.9
PING 10.10.0.9 (10.10.0.9) 56(84) bytes of data.
64 bytes from 10.10.0.9: icmp_seq=1 ttl=252 time=131 ms
64 bytes from 10.10.0.9: icmp_seq=2 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=3 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=4 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=5 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=6 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=7 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=8 ttl=252 time=129 ms
64 bytes from 10.10.0.9: icmp_seq=9 ttl=252 time=129 ms
central-1#ConnectToIn
P%20learning
ay need to be open in
orts 22 open.
ce is rakesh3.pem
icly viewable.