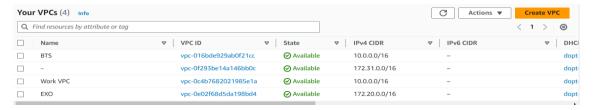
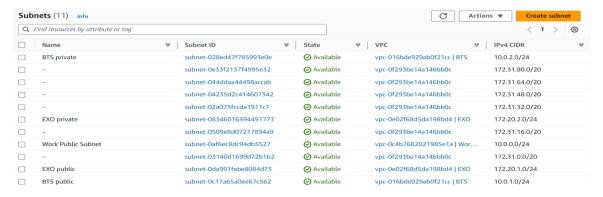
21A91A6148

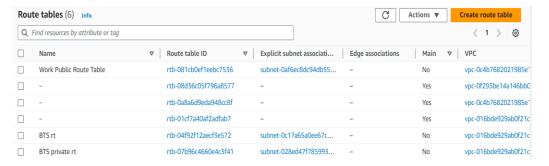
Creation of VPC



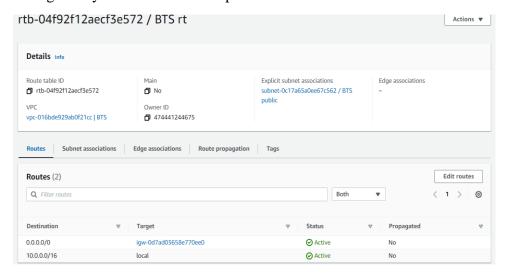
Creation of Subnets



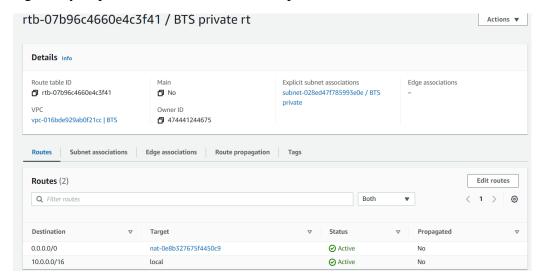
• Creation of Routing Tables



• Adding Internet gateway to 1st route means public route

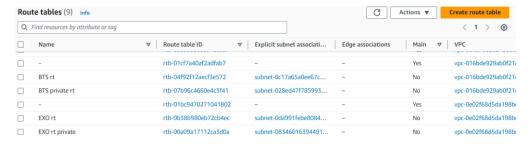


Adding nat gateway to private route we created for vpc

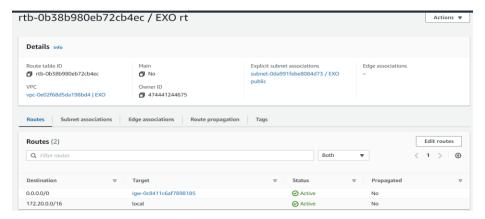


 Making the instance in public as bastion host and trying to go to internet with both instances in public and private

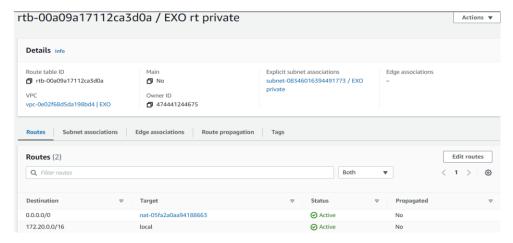
Created routes for 2nd VPC



Adding internet gateway to public rt



Adding nat gateway to private rt we created

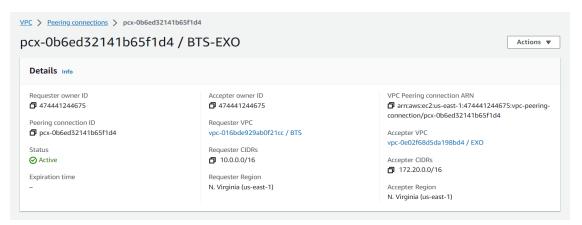


• Making the instance in public as bastion host and trying to go to internet with both instances in public and private in VPC 2

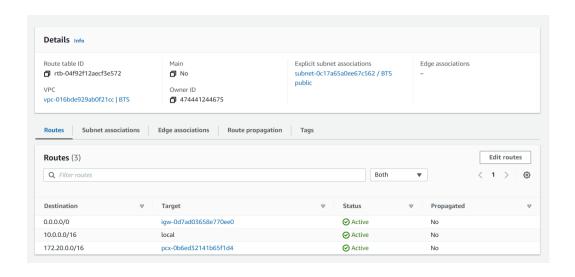
```
Last login: Mon Sep 11 05:34:56 2023 from 157.48.188.207

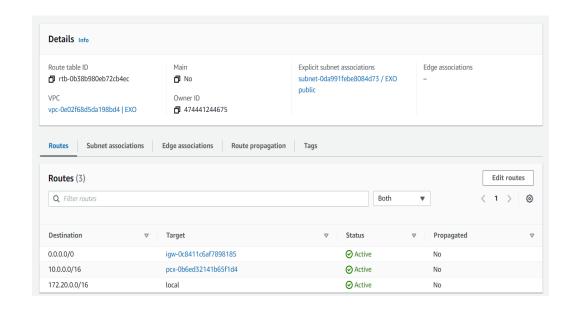
[ec2-user@ip-172-20-1-106 ec2-user]# ping www.google.com
ping: www.google.com Name or service not known
[root@ip-172-20-1-106 ec2-user]# ping www.google.com
PING www.google.com (172.253.115.99) 56(84) bytes of data.
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=1 ttl=53 time=2.47 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=2 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=2 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=2 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
64 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
65 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
66 bytes from bg-in-199.1e100.net (172.253.115.99): icmp_seq=4 ttl=53 time=2.45 ms
67 cortain-199.1e100.net (172.253.122.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.202172.202.20
```

• Creating VPC peering between two VPC



• Adding peering connection to both rts using ipv4 cidr of VPC





• Pinging One VPC instance with another VPC instance

```
Last login: Mon Sep 11 06:07:47 2023 from 157.47.19.64

[ec2-user@ip-172-20-1-106 ~]$ sudo su

[root@ip-172-20-1-106 ec2-user]# ping 10.0.1.9

PING 10.0.1.9 (10.0.1.9) 56(84) bytes of data.

64 bytes from 10.0.1.9: icmp_seq=1 ttl=127 time=0.733 ms

64 bytes from 10.0.1.9: icmp_seq=2 ttl=127 time=0.772 ms

64 bytes from 10.0.1.9: icmp_seq=3 ttl=127 time=0.842 ms

64 bytes from 10.0.1.9: icmp_seq=4 ttl=127 time=0.846 ms

64 bytes from 10.0.1.9: icmp_seq=5 ttl=127 time=0.886 ms

^C

--- 10.0.1.9 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4115ms

rtt min/avg/max/mdev = 0.733/0.815/0.886/0.055 ms

[root@ip-172-20-1-106 ec2-user]# ■
```

```
Last login: Mon Sep 11 06:03:19 2023 from 157.47.19.64

[ec2-user@ip-10-0-1-9 ~]$ sudo su

[root@ip-10-0-1-9 ec2-user]# ping 172.20.1.106

PING 172.20.1.106 (172.20.1.106) 56(84) bytes of data.
64 bytes from 172.20.1.106: icmp_seq=1 ttl=127 time=1.14 ms
64 bytes from 172.20.1.106: icmp_seq=2 ttl=127 time=0.759 ms
64 bytes from 172.20.1.106: icmp_seq=3 ttl=127 time=1.03 ms
64 bytes from 172.20.1.106: icmp_seq=4 ttl=127 time=0.784 ms
64 bytes from 172.20.1.106: icmp_seq=5 ttl=127 time=0.852 ms
^C
--- 172.20.1.106 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4104ms
rtt min/avg/max/mdev = 0.759/0.913/1.141/0.148 ms
[root@ip-10-0-1-9 ec2-user]#
```