Assignment on VPC Peering

Create Two VPCs (one in each AWS account) with non-overlapping CIDR ranges. NOTE: Used different Subnets as part of testing:

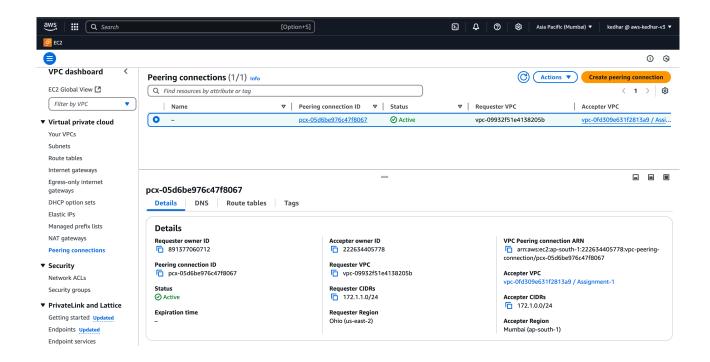
VPC-1 (Account A): 172.1.0.0/24 -> kedhar

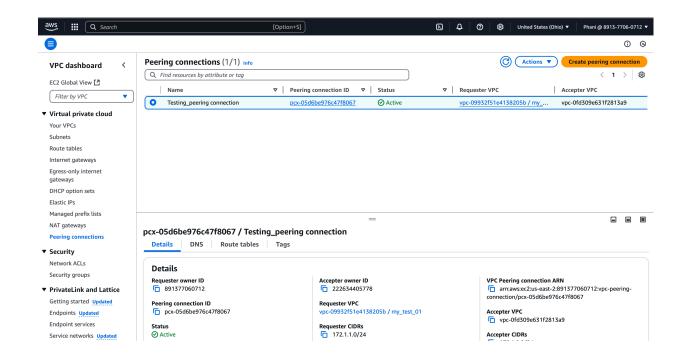
VPC-2 (Account B): 172.1.1.0/24 -> Phani

Set Up VPC Peering:

Account A: Create a VPC Peering request to Account B.

Account B: Accept the peering request.





Acceptance Criteria

Test connectivity between instances in both VPCs using ping and SSH.

Ping from VM in Account Kedhar to Account Phani using Private IP and vice versa:

```
ubuntu@ip-172-1-0-11:~$ ping 172.1.1.44
PING 172.1.1.44 (172.1.1.44) 56(84) bytes of data.
64 bytes from 172.1.1.44: icmp_seq=1 ttl=64 time=226 ms
64 bytes from 172.1.1.44: icmp_seq=2 ttl=64 time=226 ms
^c
--- 172.1.1.44 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 226.389/226.437/226.486/0.048 ms
ubuntu@ip-172-1-0-11:~$ ping 192.168.1.23
PING 192.168.1.23 (192.168.1.23) 56(84) bytes of data.
^c
--- 192.168.1.23 ping statistics ---
4 packets transmitted, 0 received, 100% packet loss, time 3061ms
ubuntu@ip-172-1-0-11:~$
```

i-020f0d7a9e3f124b4 (ex2-pub)

PublicIPs: 13.126.61.128 PrivateIPs: 172.1.0.11

CloudShell Feedback

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i-076d419ac44c2b155 (peering_test_1)

PublicIPs: 52.15.144.59 PrivateIPs: 172.1.1.44

SSH for the Private VM from Account A by using public IP VM from Account B:

```
chown: changing ownership of 'Public-ec2-pem.pem' Operation not permitted
ubnutuelip-172-1-144:/Kedhar$ sudo chown ubunturiubuntu Public-ec2-pem.pem
ubuntuelip-172-1-144:/Kedhar$ sudo chown ubunturiubuntu Public-ec2-pem.pem
ubuntuelip-172-1-144:/Kedhar$ sud-chown.pem ubuntuelip-172-1-0.55

Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1021-aws x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Fri Feb 7 11:47:26 UTC 2025

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System load: 0.0 Processes: 106
Usage of /: 25.1% of 6.71GB Users logged in: 1
Memory usage: 20% IPv4 address for enX0: 172.1.0.55

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

Last login: Fri Feb 7 07:44:00 2025 from 172.1.1.44
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-1-0-55:-$
```

i-076d419ac44c2b155 (peering_test_1)

PublicIPs: 52.15.144.59 PrivateIPs: 172.1.1.44

