In this lab, we will see connectivity between two different VPCs by using peering. We will check before and after connectivity between VMs in different VPCs

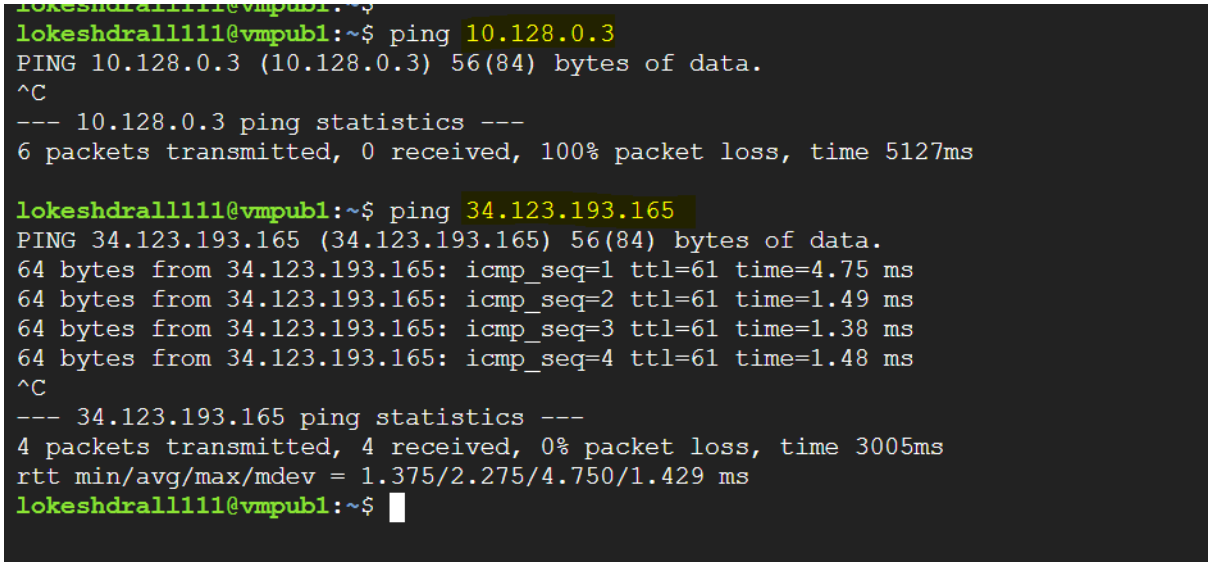
Make sure the ICMP port is open in both VPCs before starting

Create one VM in the default VPC, and one VM in MyVPC

Log in to VM in my VPC and ping the private IP address of the Default VPC's VM

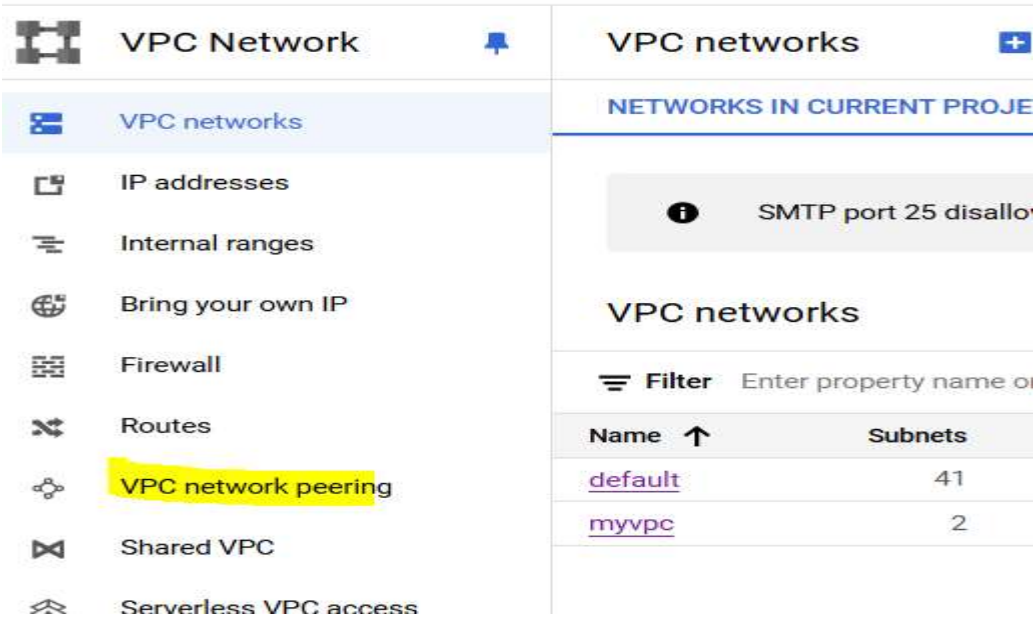
Before any peering, we are not able to communicate between VMs in two different VPCs by using their private IP

But if we use a public IP, then it works because it travels through the Internet, but we need to establish internal connectivity

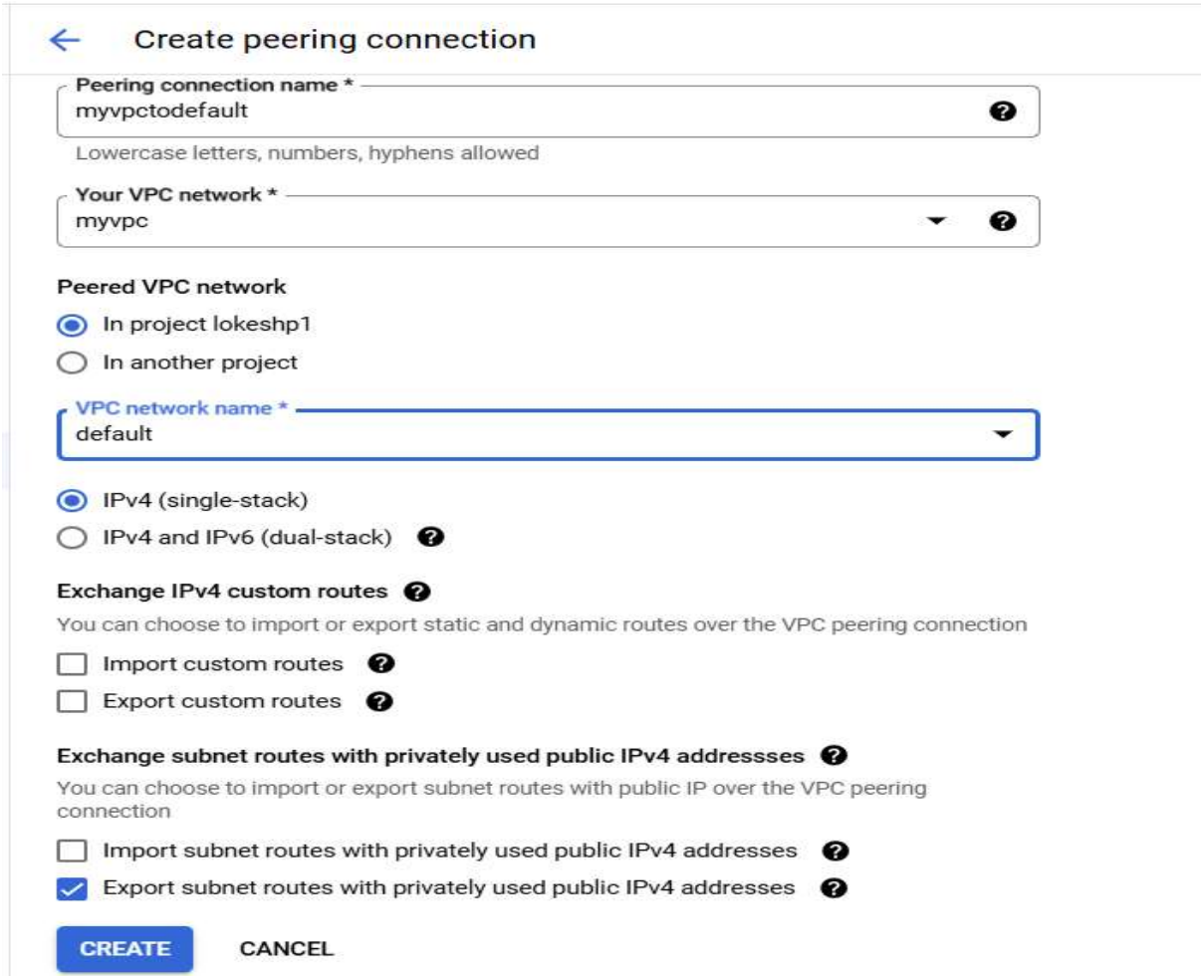


Now let's do the peering

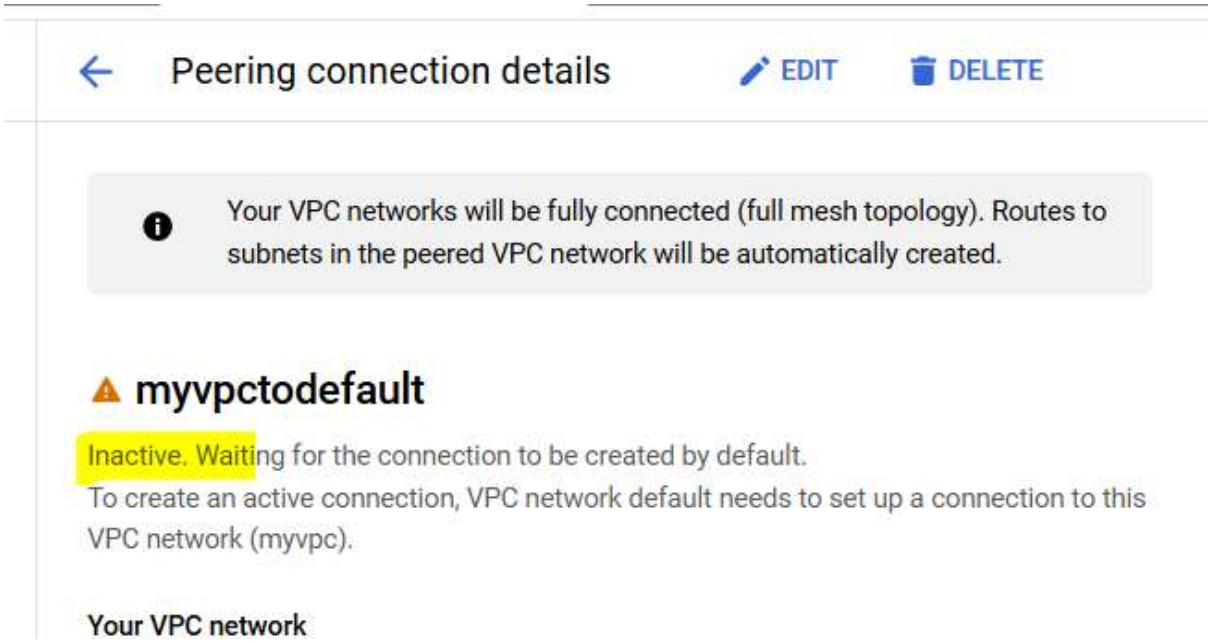
Go to the VPC dashboard and click VPC Network Peering



Give the peering name, select both VPC, and keep the rest default



Once created, it will show as an inactive state and a message. To make it active, we need to make a peering connection other direction as well



Similarly, make a peering connection from the default to myvpc

As soon we create the second peering connection, both status will show as Active

Now again, try to ping the private IP and this will work this time.

```
lokeshdrall111@vmpub1:~$ ping 10.128.0.3
PING 10.128.0.3 (10.128.0.3) 56(84) bytes of data.
^C
--- 10.128.0.3 ping statistics ---
6 packets transmitted, 0 received, 100% packet loss, time 5127ms

lokeshdrall111@vmpub1:~$ ping 34.123.193.165
PING 34.123.193.165 (34.123.193.165) 56(84) bytes of data.
64 bytes from 34.123.193.165: icmp_seq=1 ttl=61 time=4.75 ms
64 bytes from 34.123.193.165: icmp_seq=2 ttl=61 time=1.49 ms
64 bytes from 34.123.193.165: icmp_seq=3 ttl=61 time=1.38 ms
64 bytes from 34.123.193.165: icmp_seq=4 ttl=61 time=1.48 ms
^C
--- 34.123.193.165 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 1.375/2.275/4.750/1.429 ms
lokeshdrall111@vmpub1:~$ ping 10.128.0.3
PING 10.128.0.3 (10.128.0.3) 56(84) bytes of data.
64 bytes from 10.128.0.3: icmp_seq=1 ttl=64 time=2.32 ms
64 bytes from 10.128.0.3: icmp_seq=2 ttl=64 time=1.08 ms
64 bytes from 10.128.0.3: icmp_seq=3 ttl=64 time=0.961 ms
64 bytes from 10.128.0.3: icmp_seq=4 ttl=64 time=0.892 ms
^C
--- 10.128.0.3 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 0.892/1.313/2.321/0.585 ms
lokeshdrall111@vmpub1:~$
```