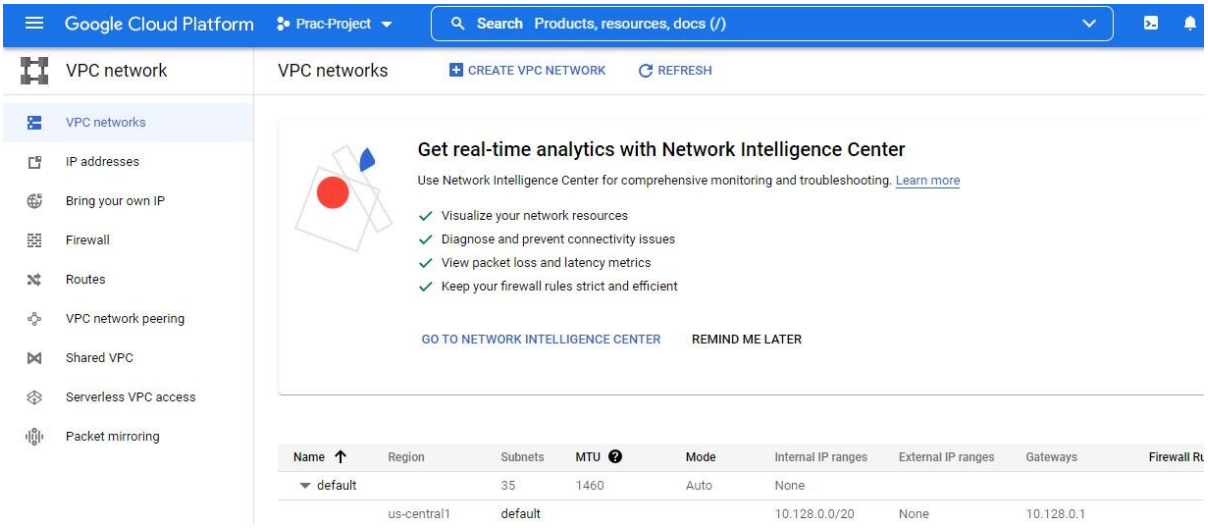
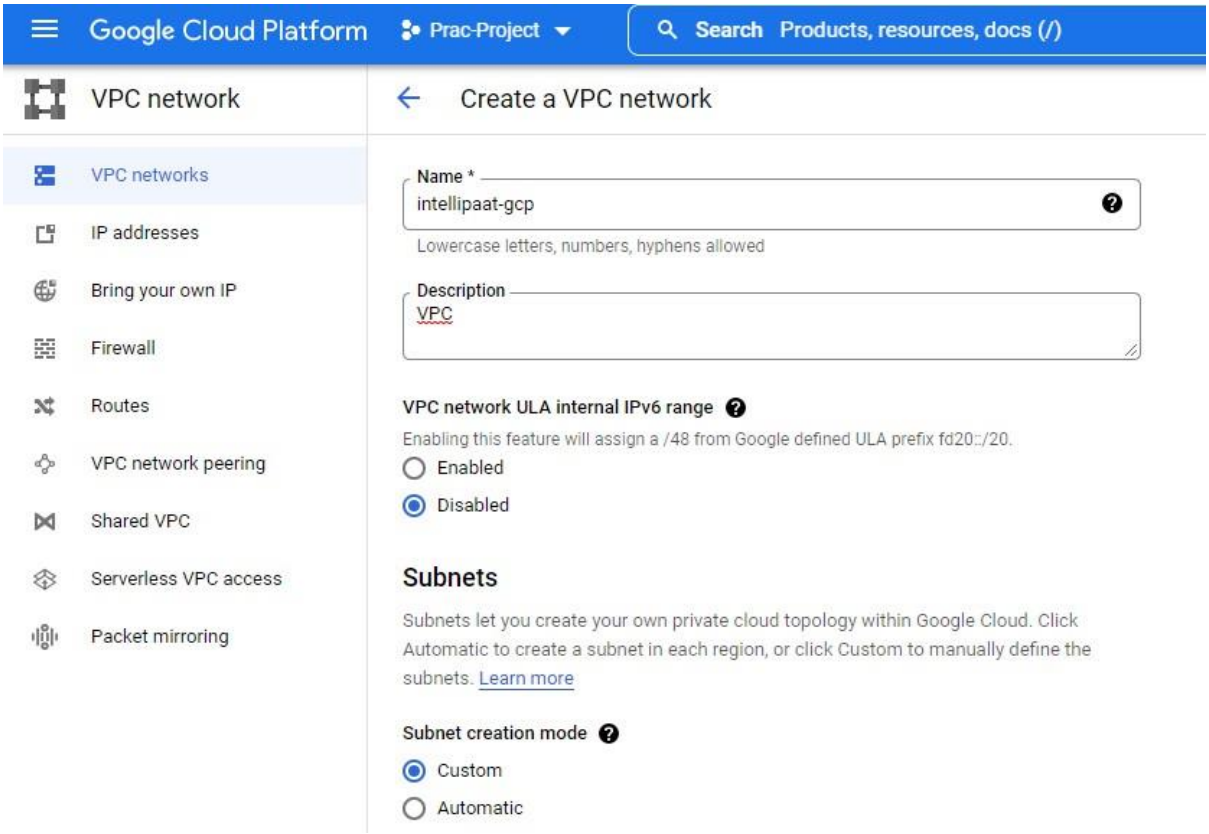
Module 2---- Assignment

Go to VPC and create a new custom VPC named ‘intellipaat-gcp’.

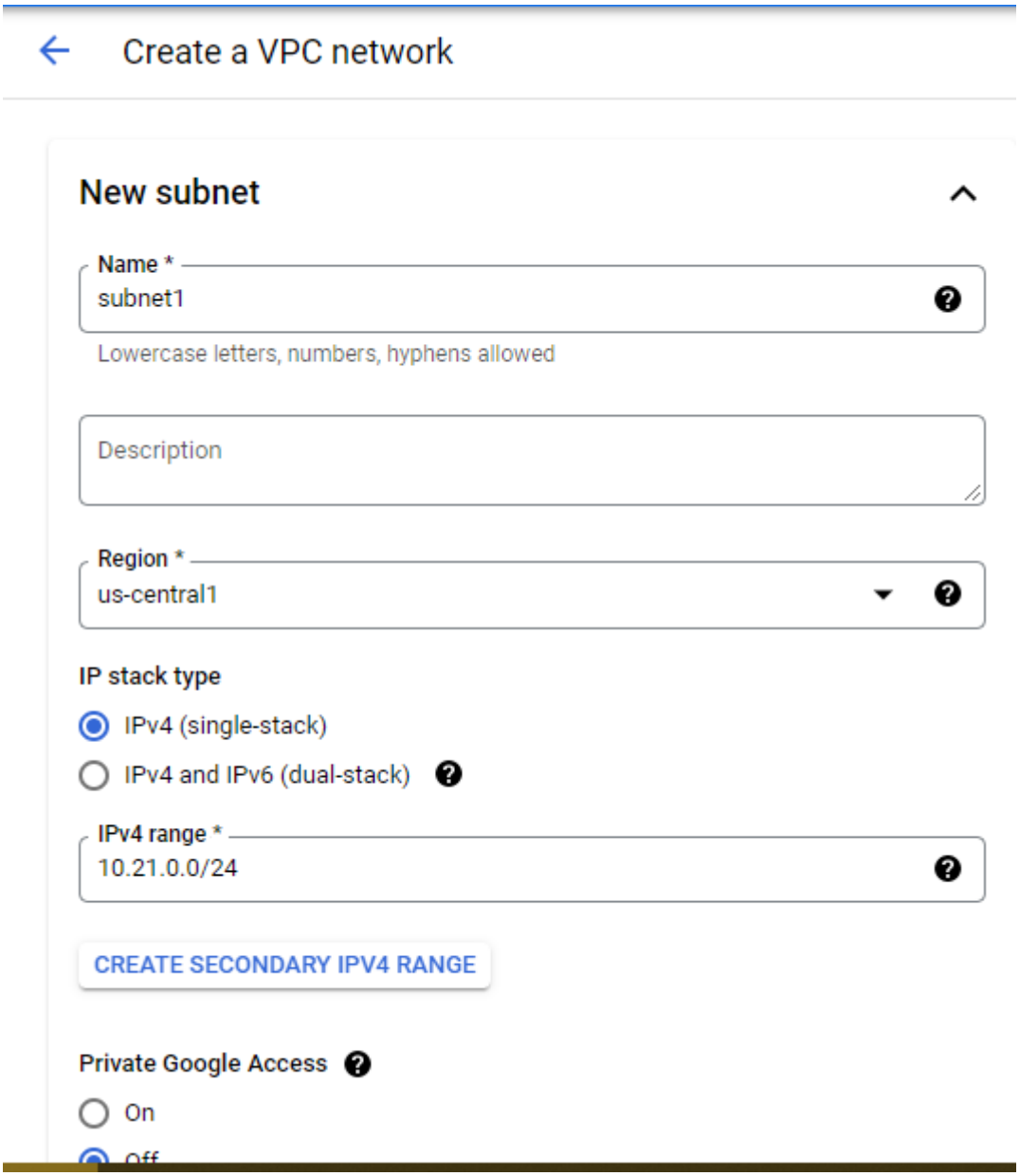


Provide name.

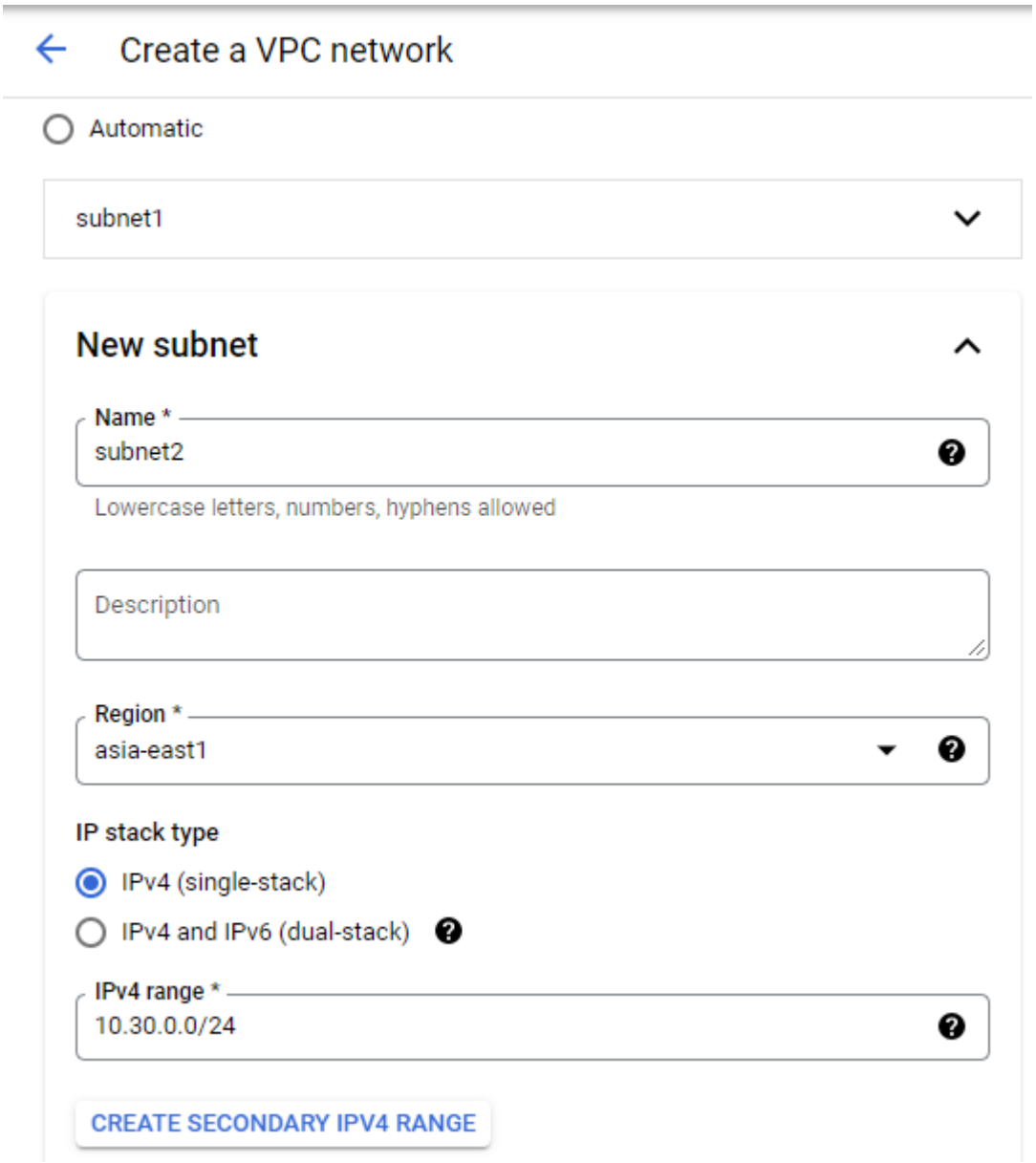


Now, We need to create 2 subnets.

Subnet1 in US region


Create a VPC network
New subnet
Name *
subnet1
Lowercase letters, numbers, hyphens allowed
Description
Region *
us-central1
IP stack type
IPv4 (single-stack)
IPv4 and IPv6 (dual-stack)
IPv4 range *
10.21.0.0/24
CREATE SECONDARY IPV4 RANGE
Private Google Access
On
Off

Subnet2 in Asia region



Subnets created.

Subnets

Subnets let you create your own private cloud topology within Google Cloud. Click Automatic to create a subnet in each region, or click Custom to manually define the subnets. Learn more

Subnet creation mode

- (•) Custom
- ( ) Automatic

subnet1 ⌄

subnet2 ⌄

ADD SUBNET

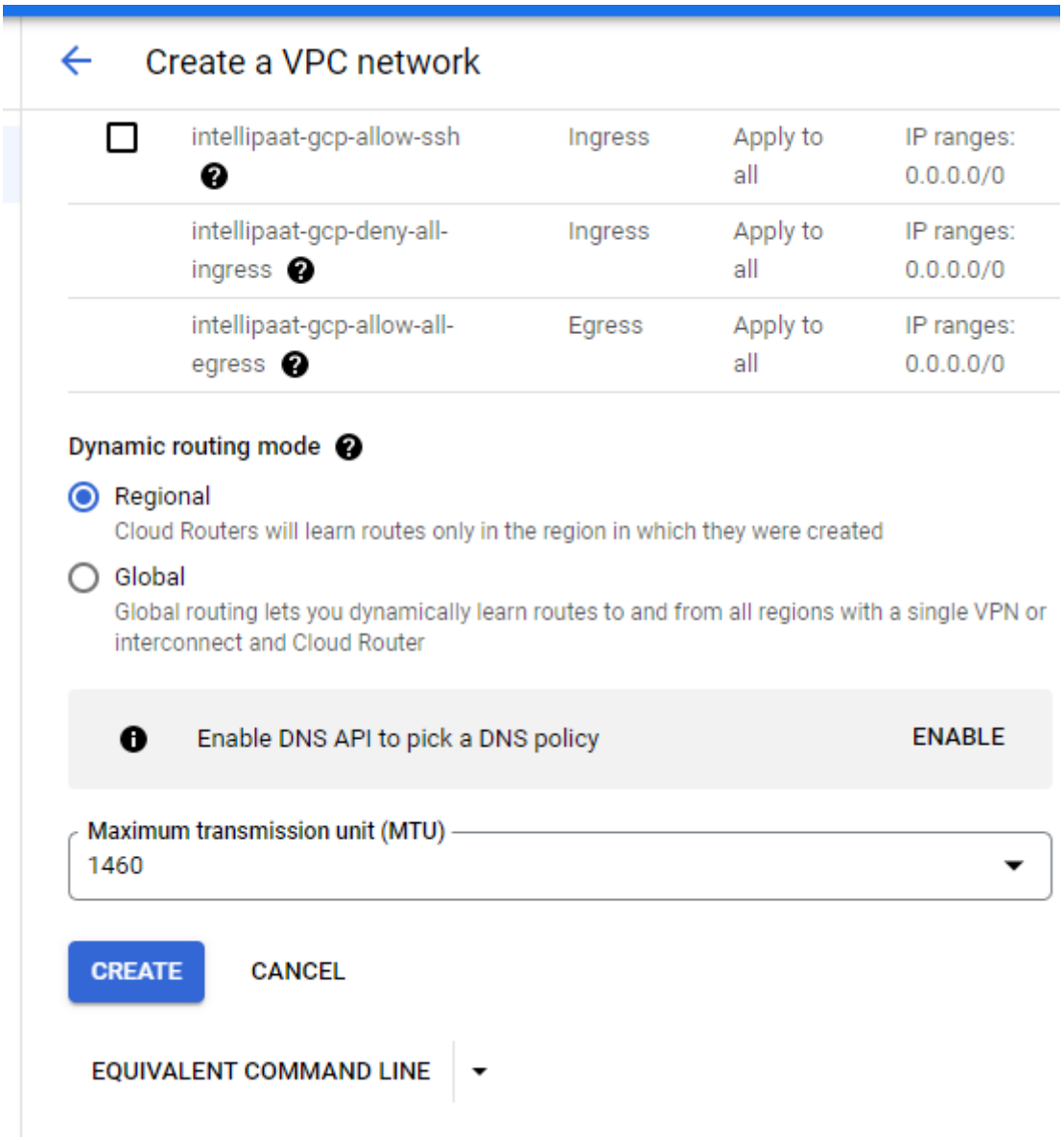
Toggle item "subnet2"

Firewall rules

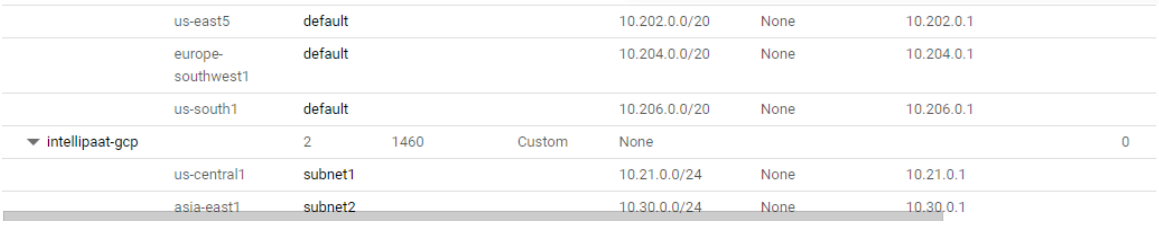
Select any of the firewall rules below that you would like to apply to this VPC network. Once the VPC network is created, you can manage all firewall rules on the Firewall rules page.

IPV4 FIREWALL RULES | IPV6 FIREWALL RULES

Name	Type	Targets	Filters



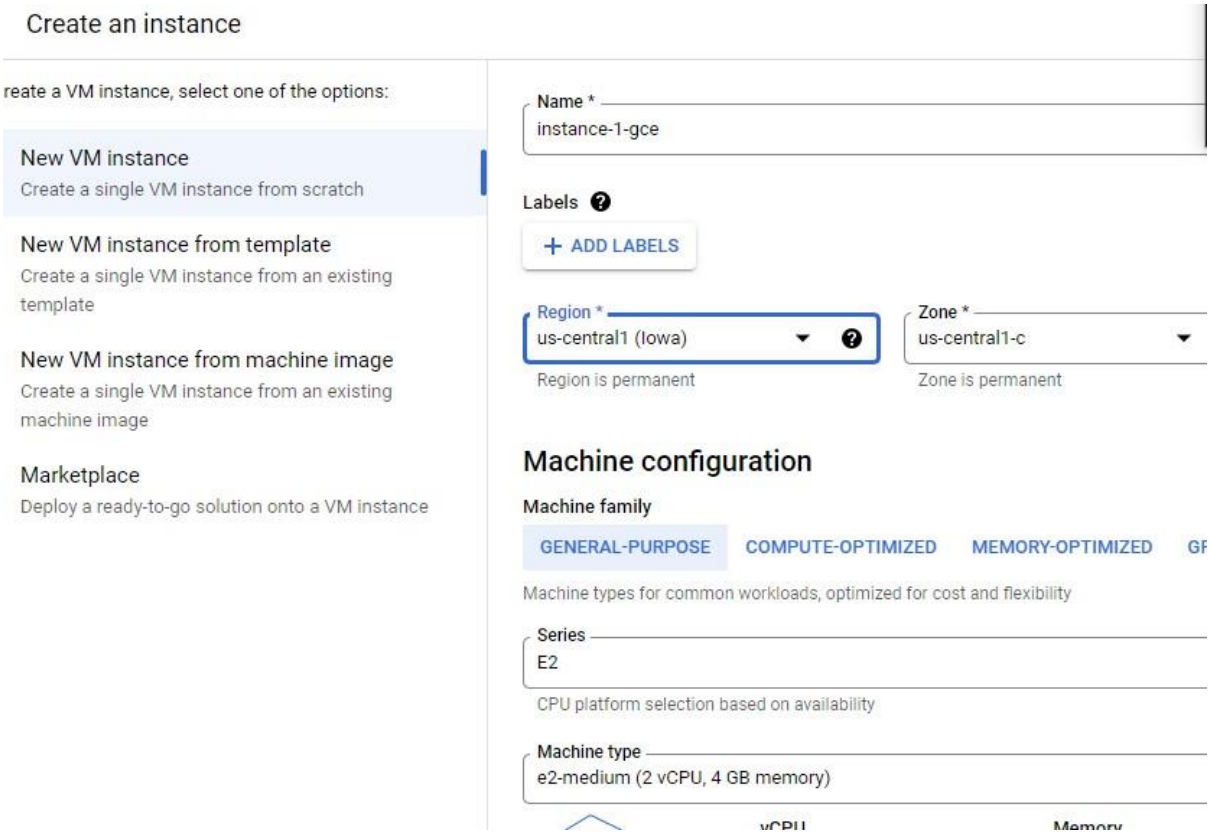
VPC created.



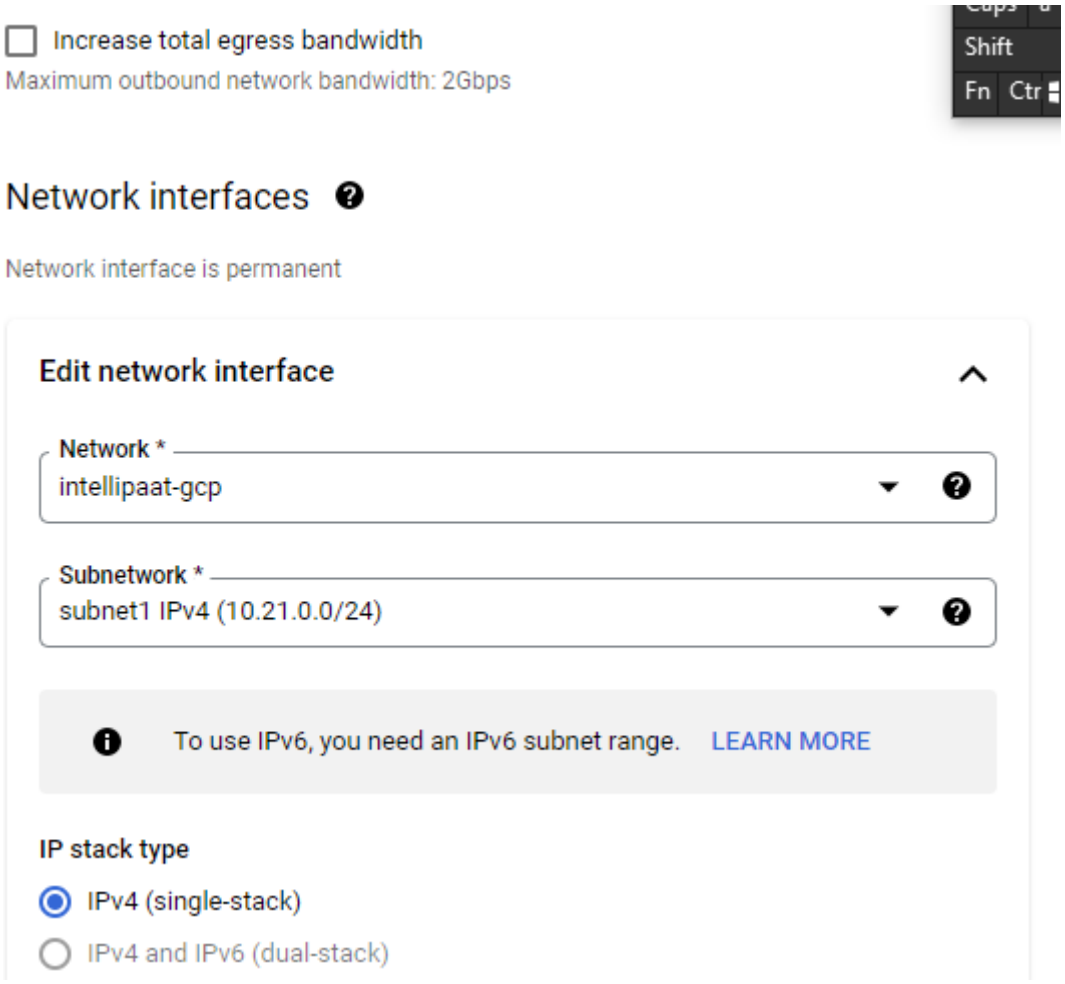
We need to create 2 VM in 2 subnets.

Go to VM and create.

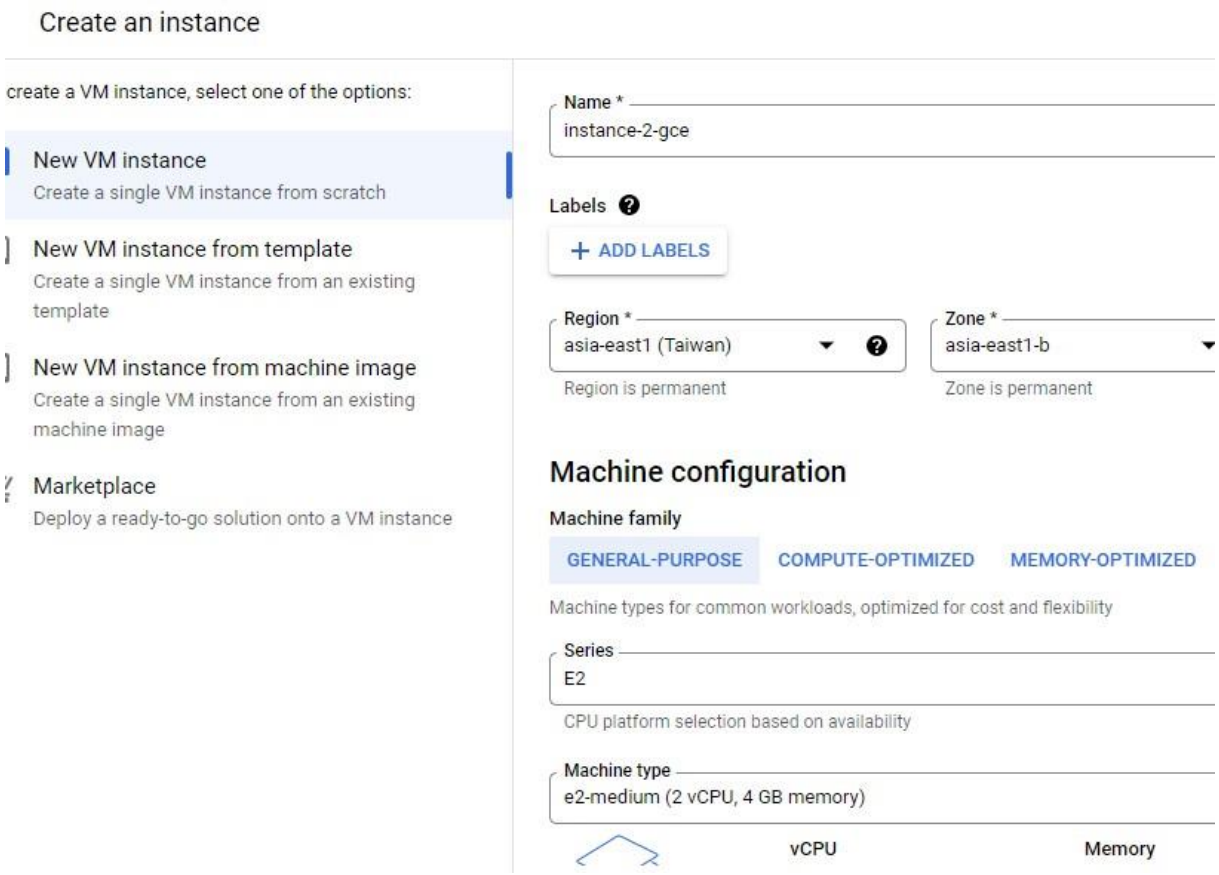
Instance1 in uscentral1 region.



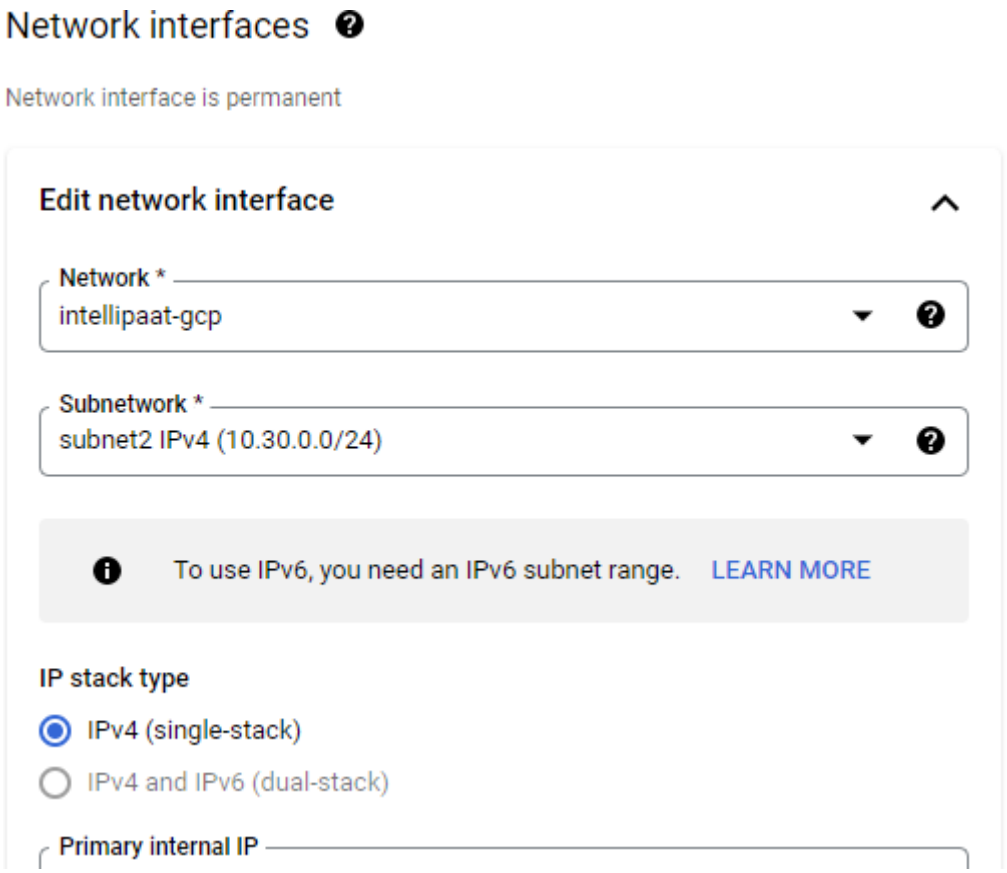
Change networking details with the created vpc.



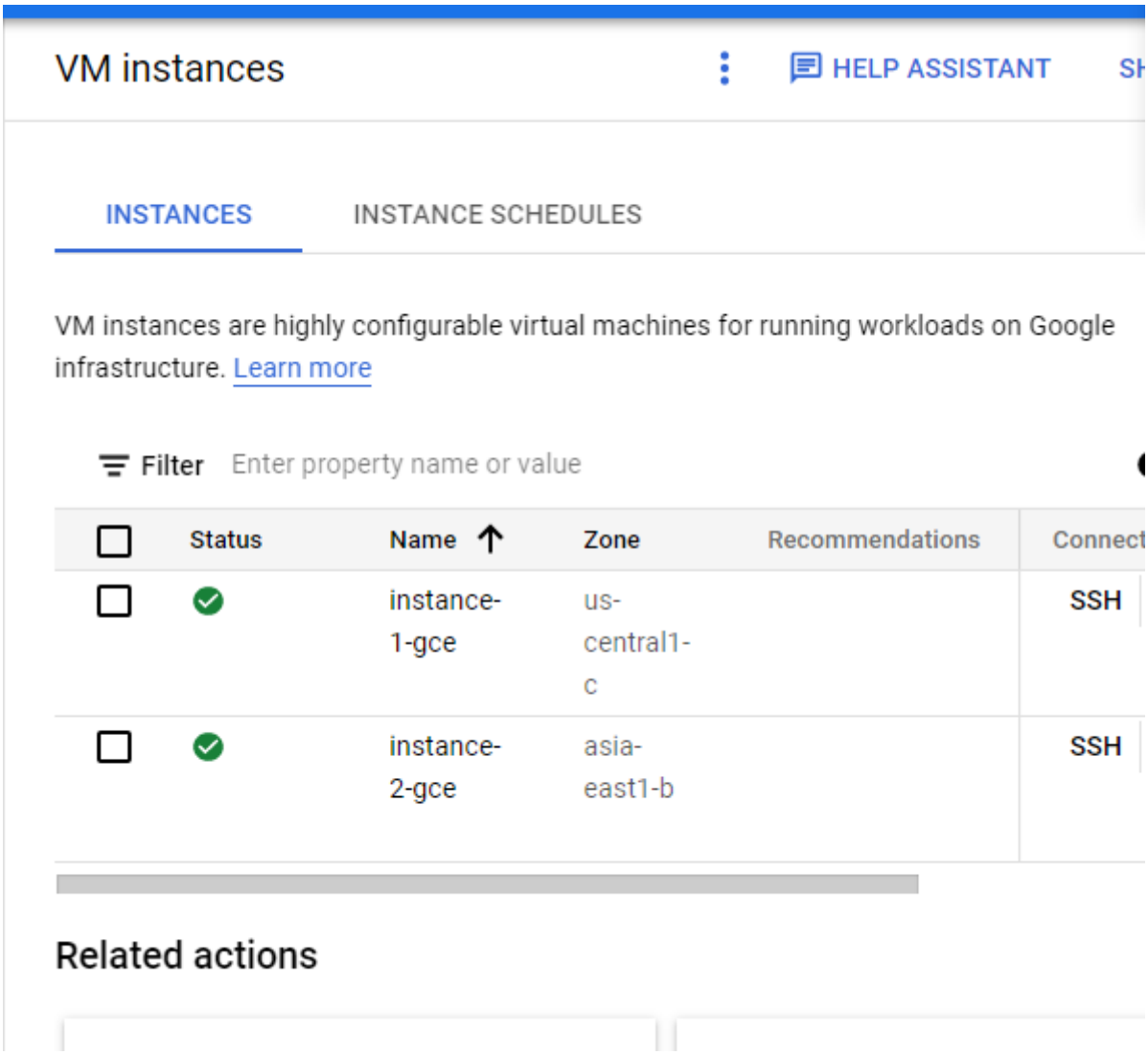
Create one more vm in asia region.



Choose VPC and subnet.

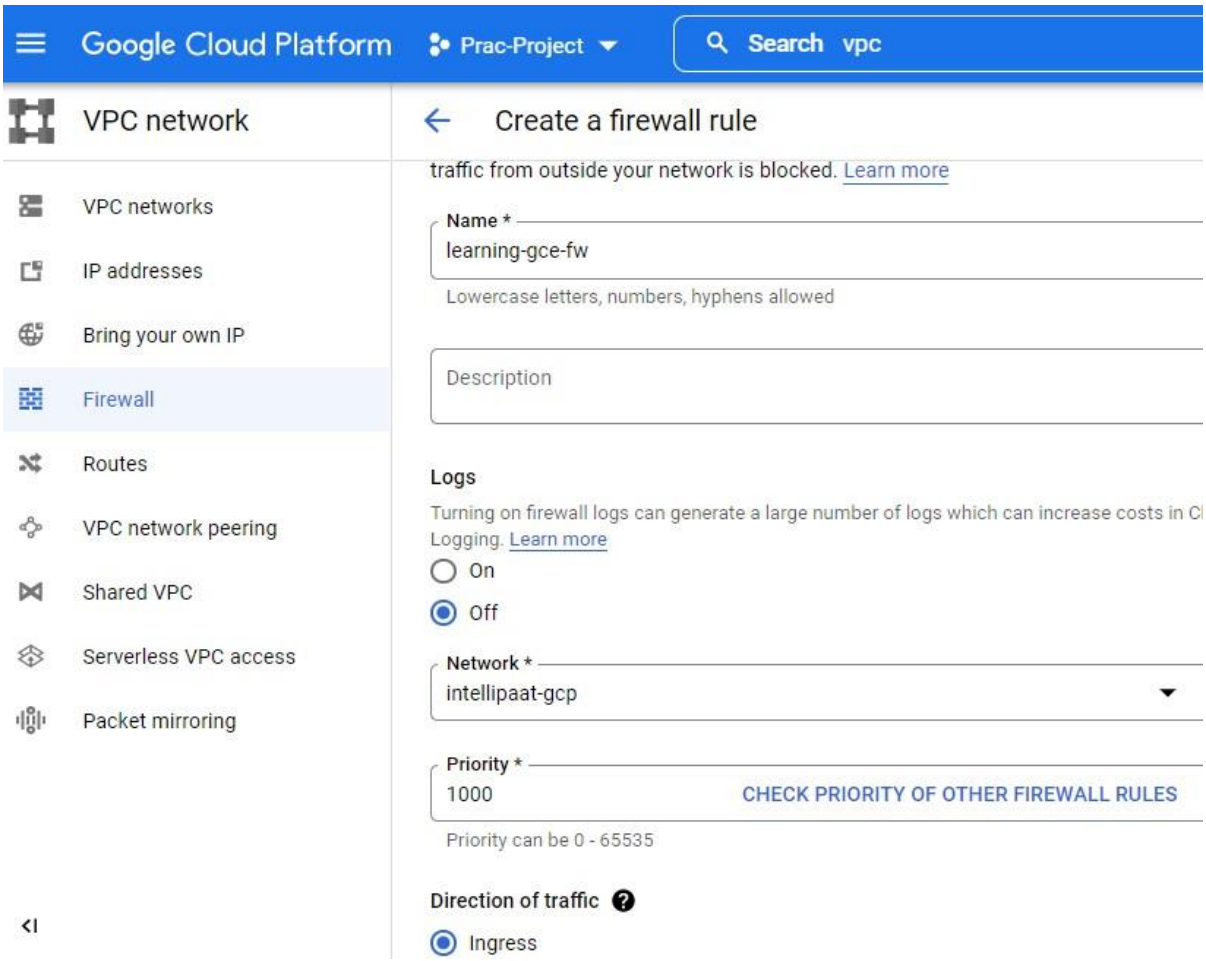


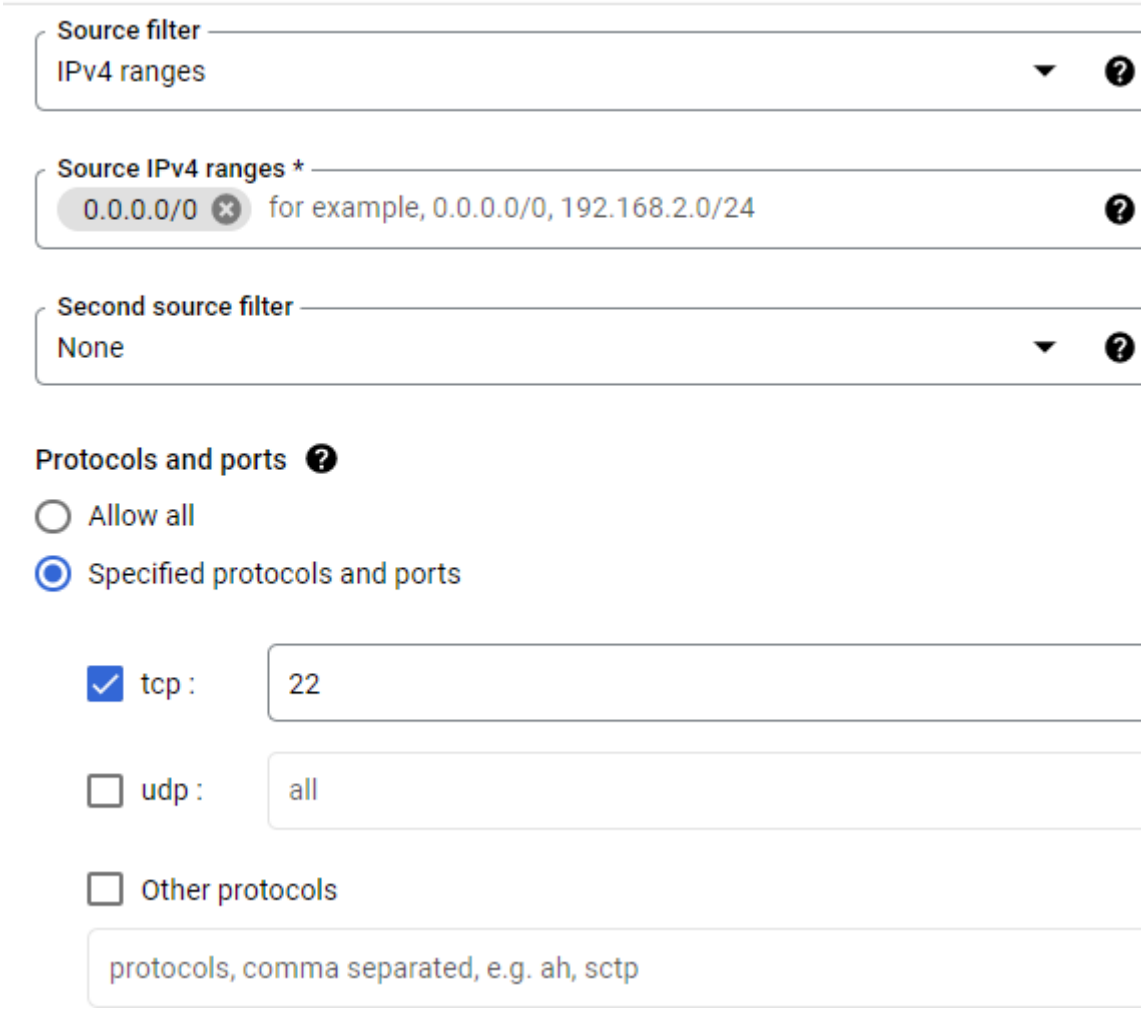
Instances created.



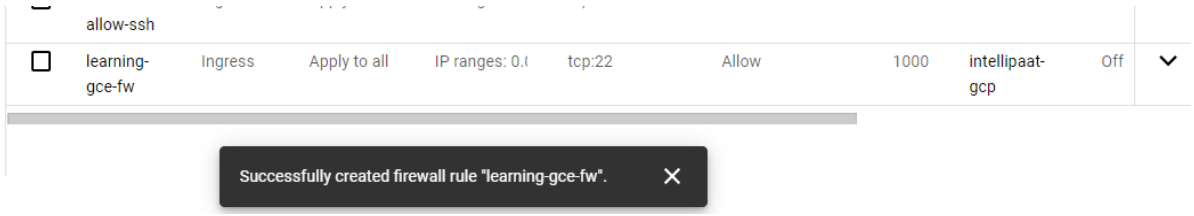
Create an Firewall rule for SSH.

Go to VPC and then firewall.

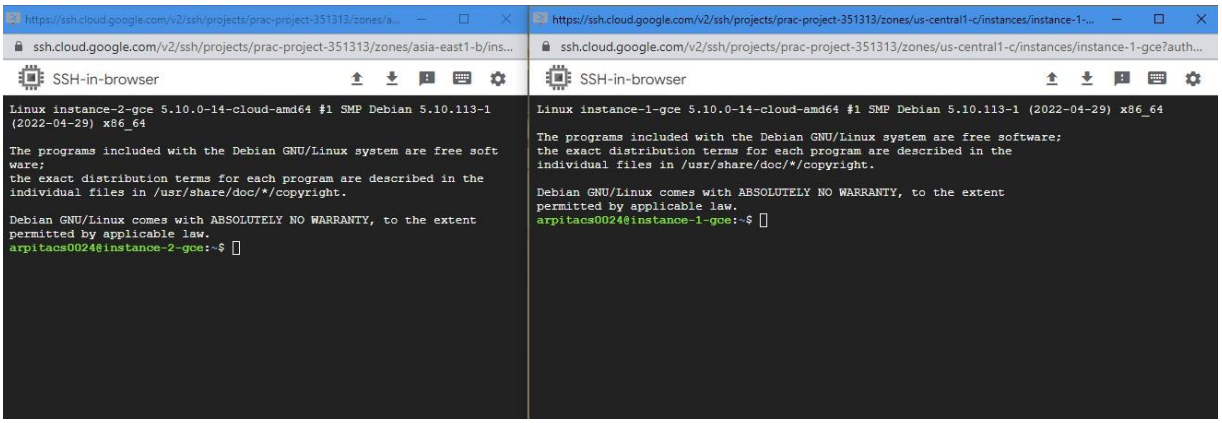

Google Cloud Platform
Prac-Project
Search vpc
VPC network
VPC networks
IP addresses
Bring your own IP
Firewall
Routes
VPC network peering
Shared VPC
Serverless VPC access
Packet mirroring
Create a firewall rule
traffic from outside your network is blocked. Learn more
Name *
learning-gce-fw
Lowercase letters, numbers, hyphens allowed
Description
Logs
Turning on firewall logs can generate a large number of logs which can increase costs in C
Logging. Learn more
On
Off
Network *
intellipaat-gcp
Priority *
1000
CHECK PRIORITY OF OTHER FIREWALL RULES
Priority can be 0 - 65535
Direction of traffic
Ingress



Firewall rule created.

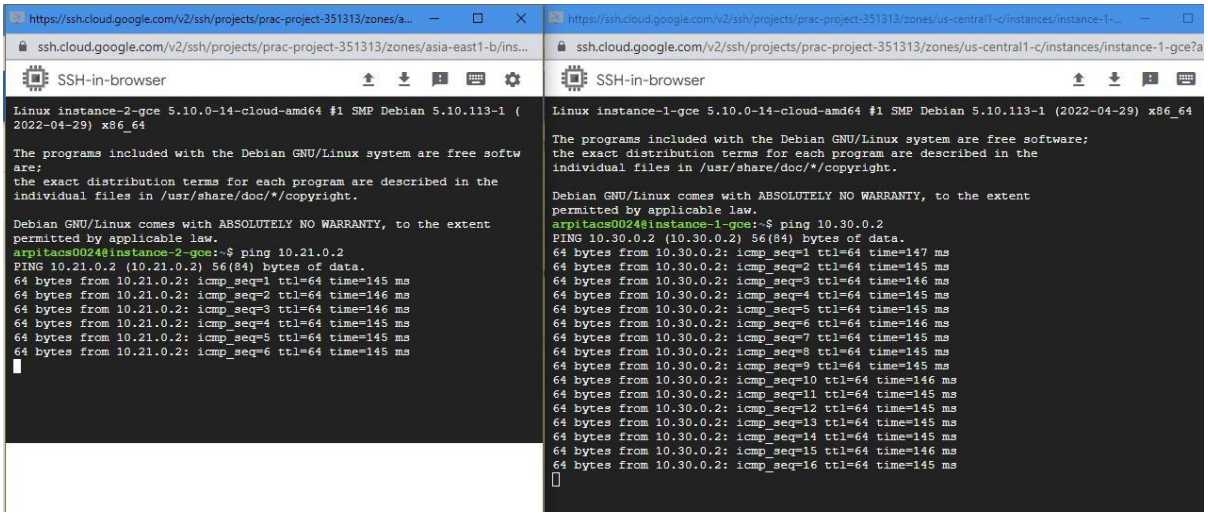


Now, SSH the VM.



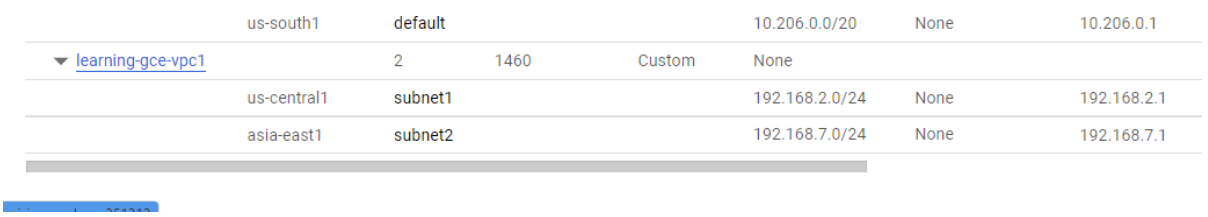
Open port icmp as well on firewall rule.

Ping is now working from instance1 to instance2 and vice versa.

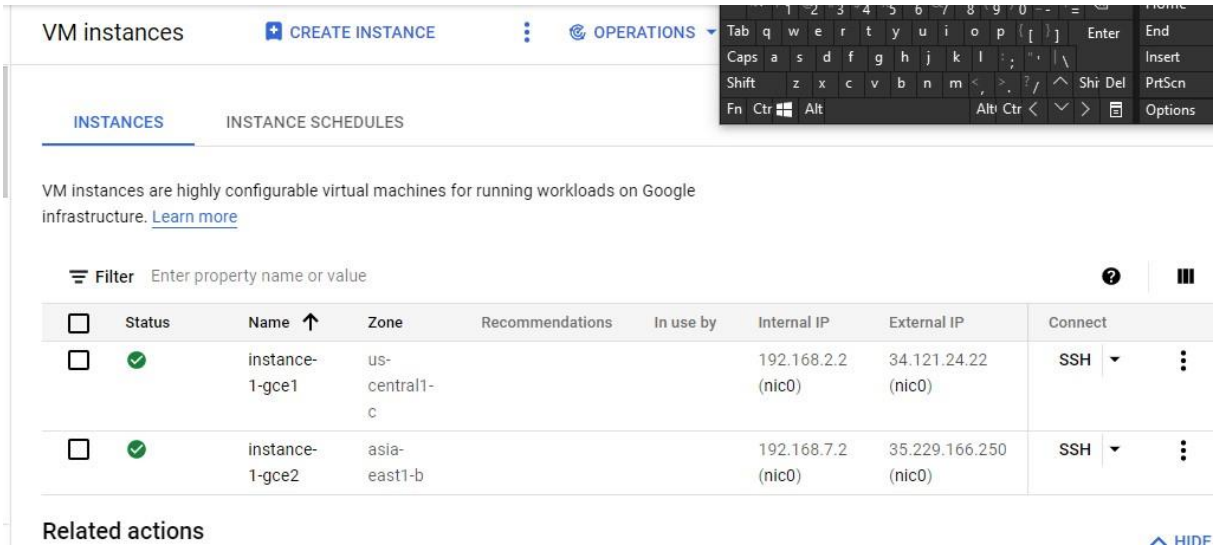


Similarly, We need to create a VPC and subnets in different project.

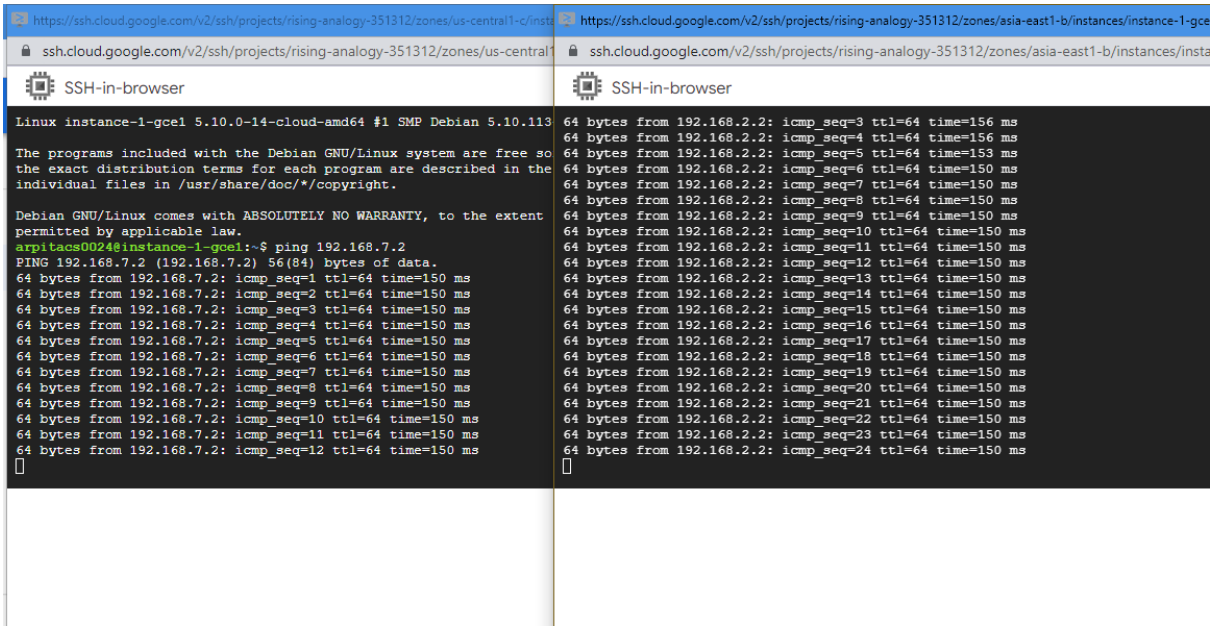
VPC created.



Both instances has been created.

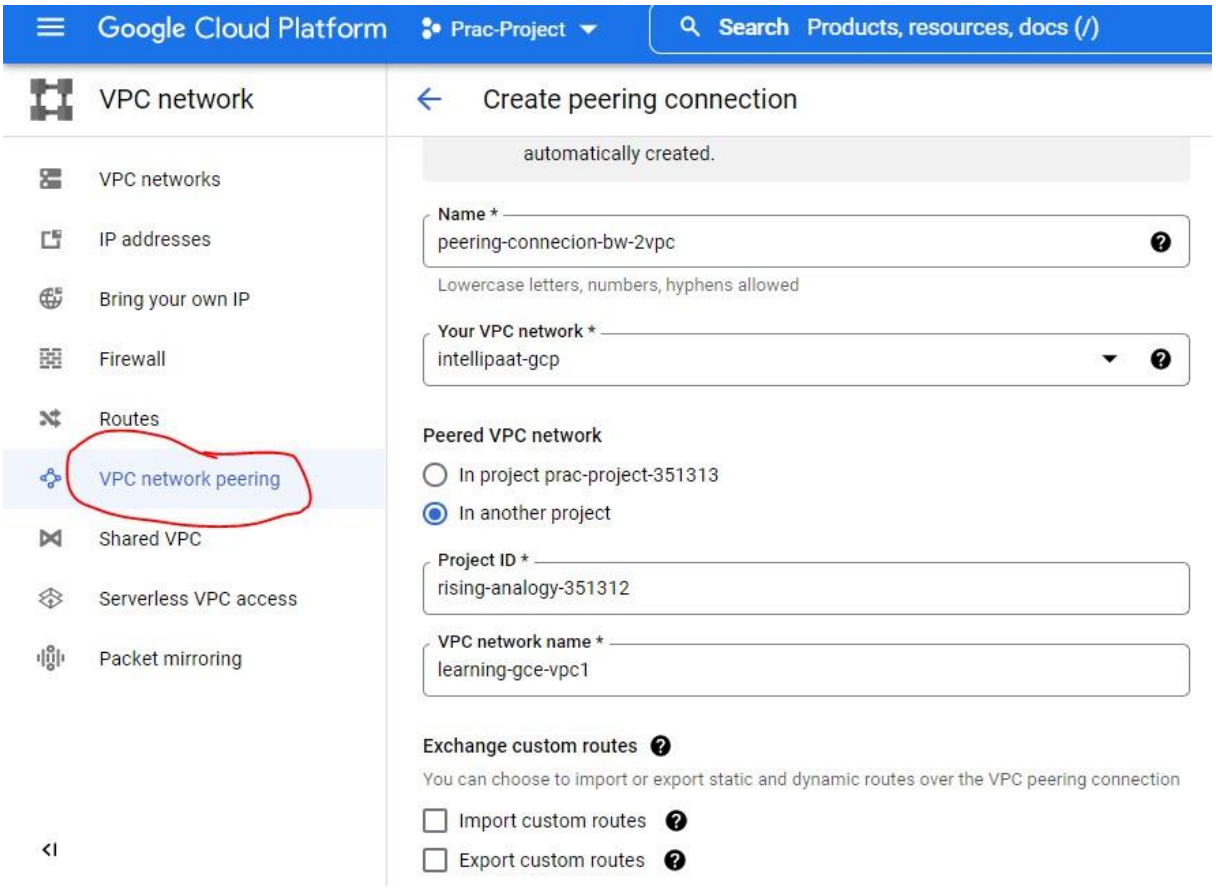


Stared ping instance1 from instance2 and vice versa.

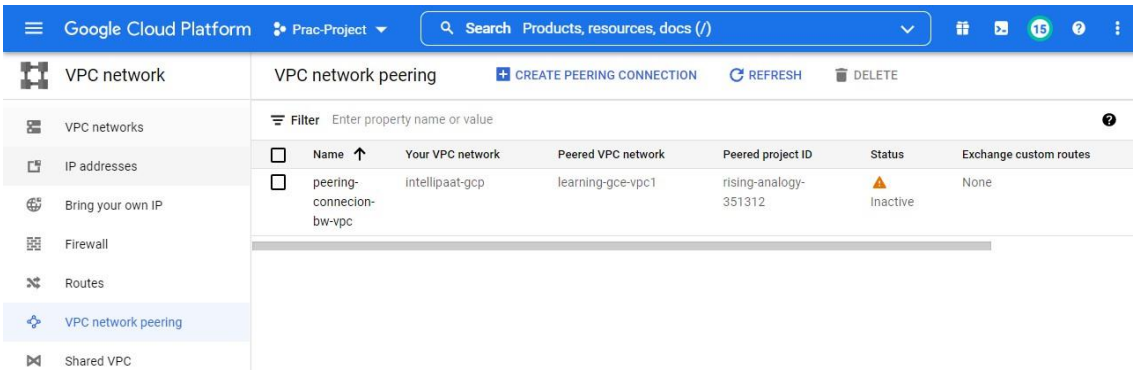


We need to create a VPC peering to connect 2 VPC.

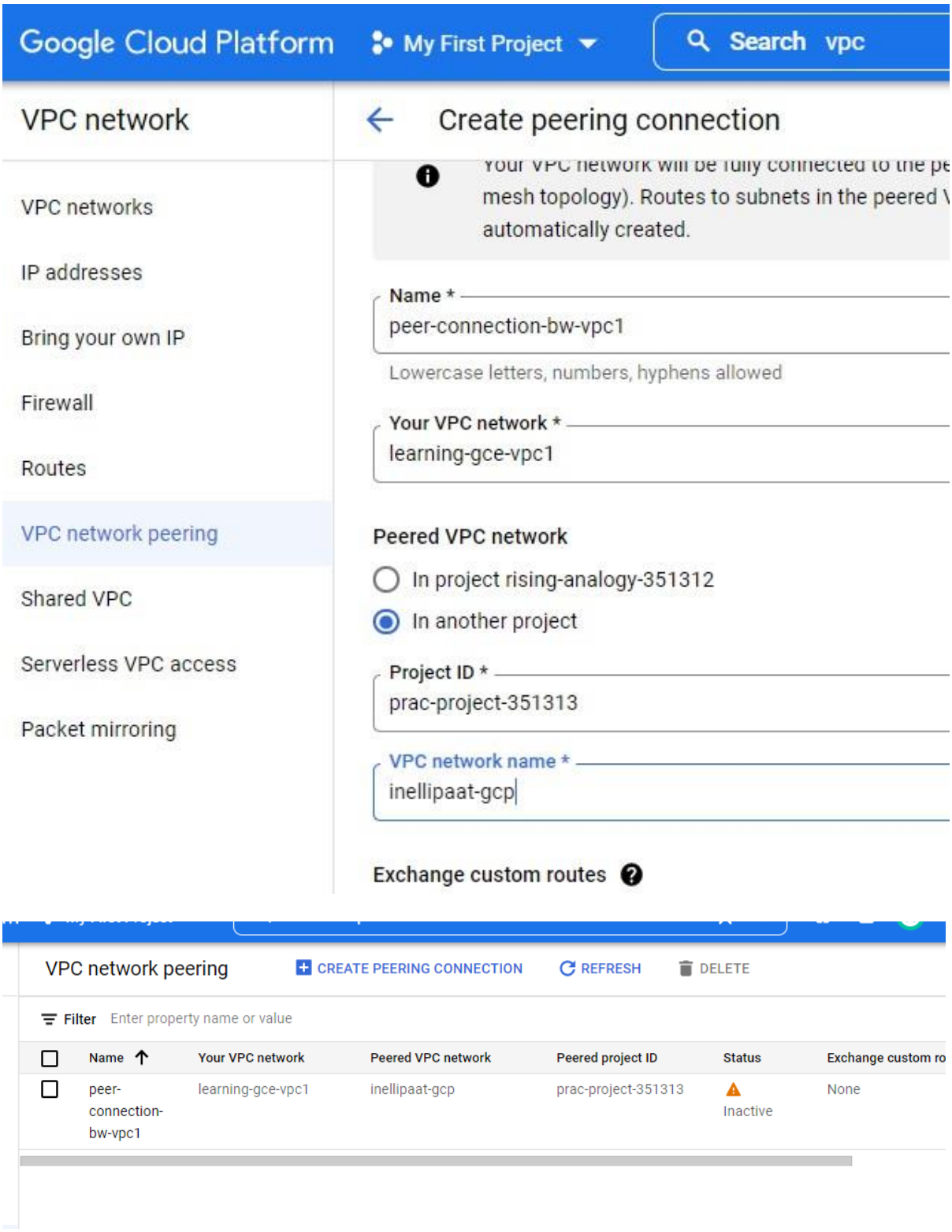
Create VPC peering as below. Provide Name, Project ID of another project.



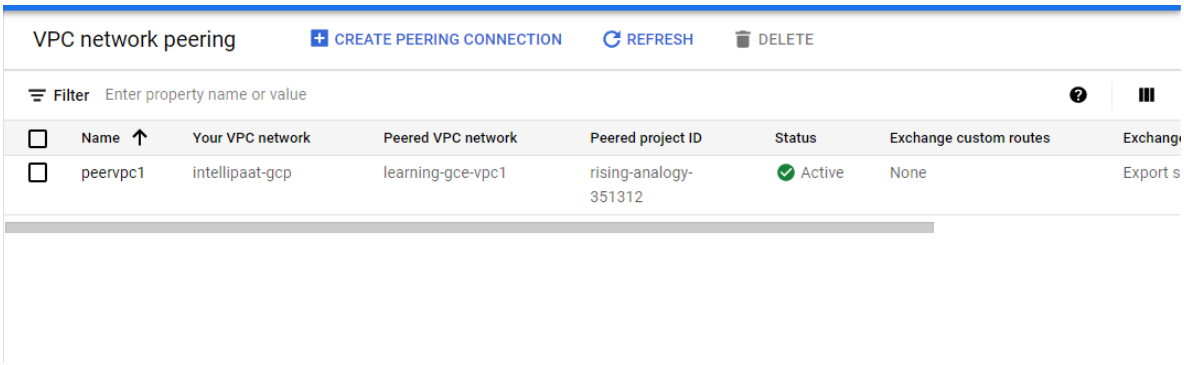
VPC peering created on first project.

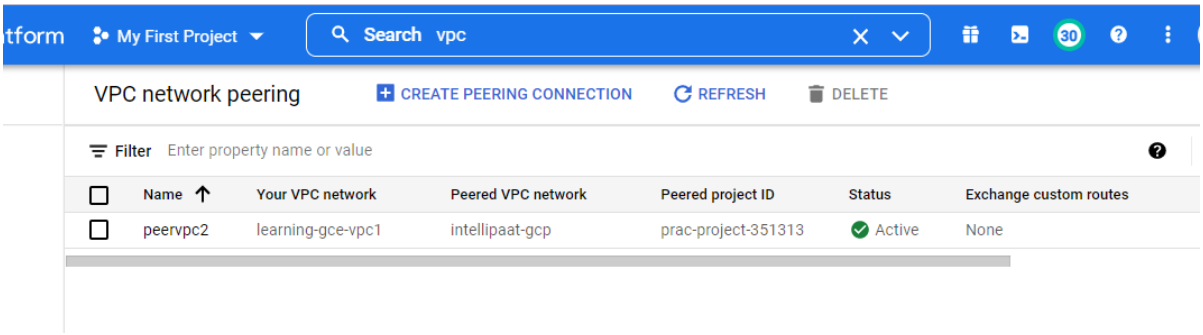


Similarly, create vpc peering on 2nd project.



VPC peering status active.





VMs between these two VPCs should be able to ping each other.