

7) VPC PEERING

Create 2 subnet in different VPC network

Google Cloud Platform console showing the 'Create a VPC network' page. The 'Name' field is set to 'vpc-1'. The 'Subnets' section shows 'Subnet creation mode' set to 'Custom'. The 'New subnet' section has 'Name' set to 'asia-south-1'.

Google Cloud Platform console showing the 'Create a VPC network' page. The 'Region' is set to 'asia-south1' and the 'IP address range' is set to '10.2.0.0/20'. The 'Private Google Access' is set to 'Off' and 'Flow logs' are set to 'Off'. The 'Dynamic routing mode' is set to 'Regional'.

Add

create a firewall rule

Google Cloud Platform console showing the "Create a firewall rule" page. The left sidebar shows the "VPC network" menu with "Firewall" selected. The main content area shows the "Create a firewall rule" form.

Create a firewall rule

Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. [Learn more](#)

Name *
vpc-2
Lowercase letters, numbers, hyphens allowed

Description

Logs
Turning on firewall logs can generate a large number of logs which can increase costs in Cloud Logging. [Learn more](#)
☐ On
☒ Off

Network *
vpc-2

Priority *
1000 [CHECK PRIORITY OF OTHER FIREWALL RULES](#)
Priority can be 0 - 65535

Direction of traffic
☒ Ingress
☐ Egress

Action on match

Google Cloud Platform console showing the "Create an instance" page. The left sidebar shows the "Create an instance" menu with "New VM instance" selected. The main content area shows the "Create an instance" form.

Create an instance

To create a VM instance, select one of the options:

- New VM instance**
Create a single VM instance from scratch
- New VM instance from template**
Create a single VM instance from an existing template
- New VM instance from machine image**
Create a single VM instance from an existing machine image
- Marketplace**
Deploy a ready-to-go solution onto a VM instance

Name *
instance-1

Labels
[+ ADD LABELS](#)

Region *
asia-south1 (Mumbai)
Region is permanent

Zone *
asia-south1-a
Zone is permanent

Machine configuration

Machine family
[GENERAL-PURPOSE](#) [COMPUTE-OPTIMIZED](#) [MEMORY-OPTIMIZED](#)

Machine types for common workloads, optimized for cost and flexibility

Series
E2

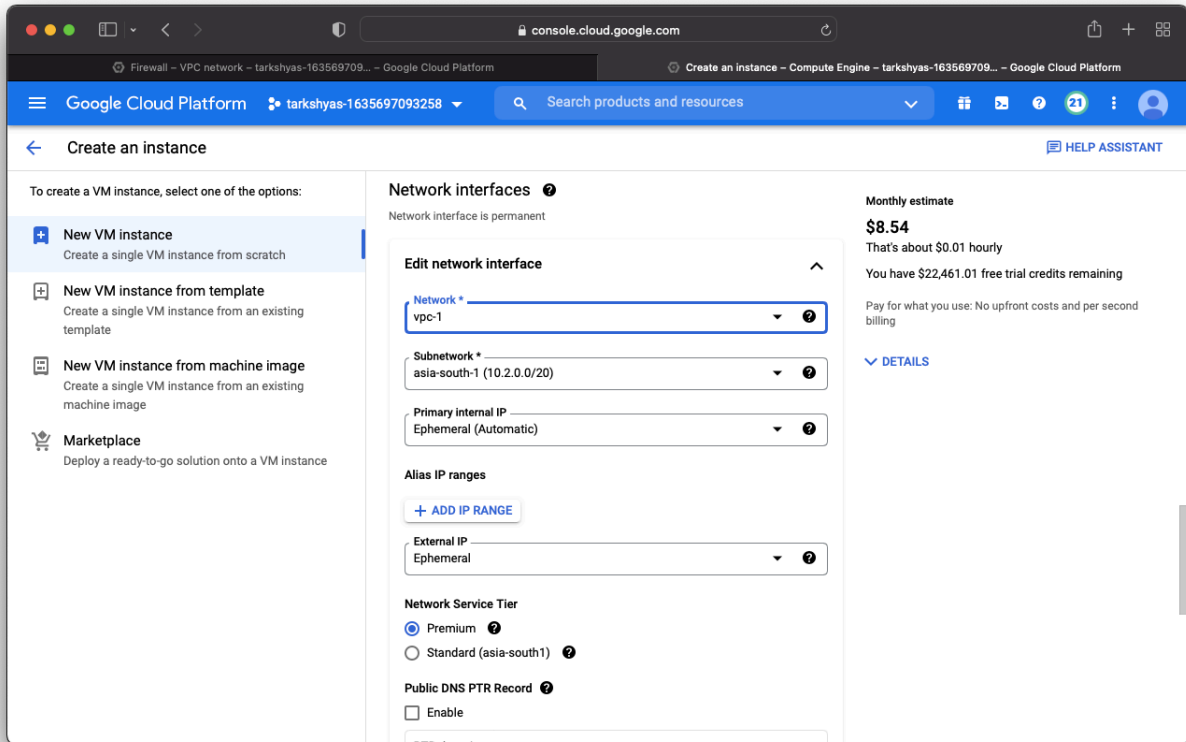
CPU platform selection based on availability

Machine type
e2-micro (2 vCPU, 1 GB memory)

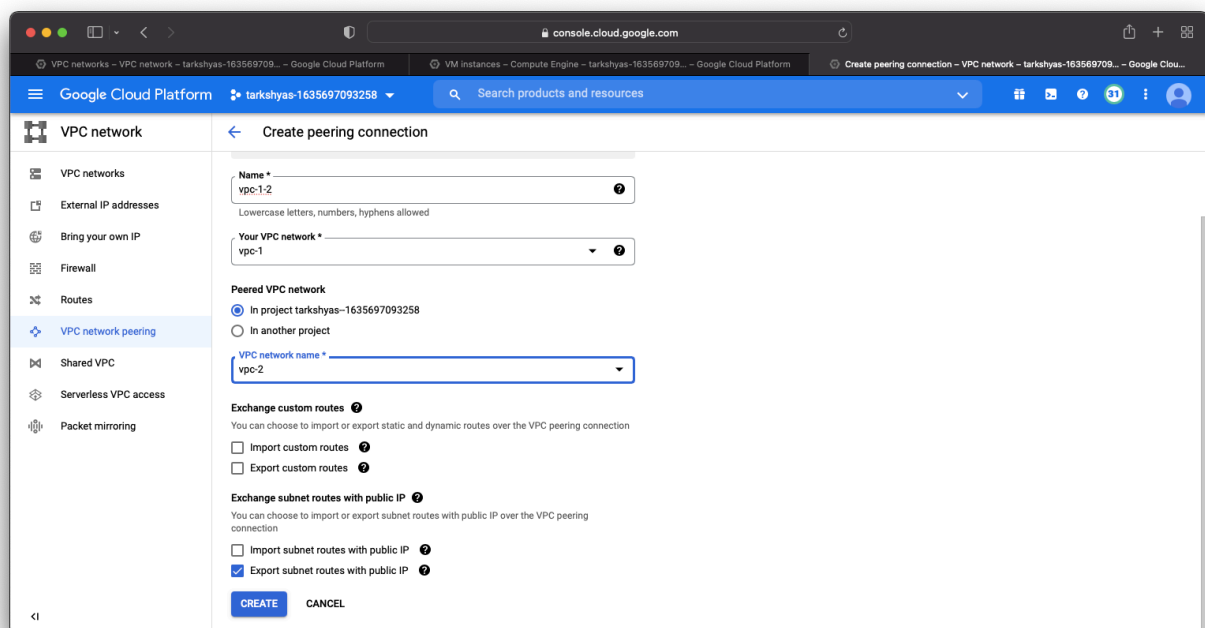
vCPU
1 shared core

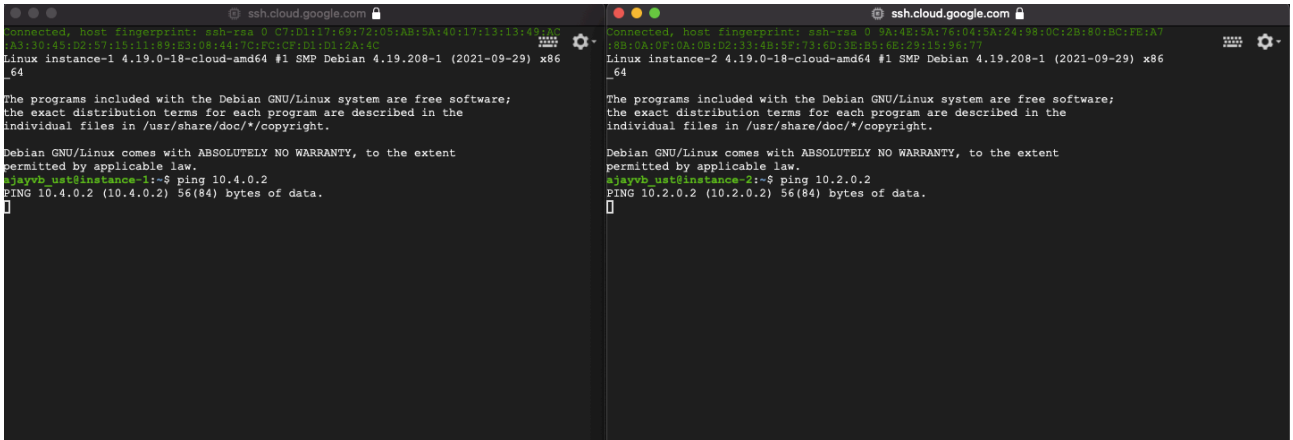
Memory
1 GB

Monthly estimate
\$8.54
That's about \$0.01 hourly
You have \$22,461.01 free trial credits remaining
Pay for what you use: No upfront costs and per second billing
[DETAILS](#)



Create peering





▼ vpc-1	2	1460	Custom	3	Off
asia-south1	asia-south-1			10.2.0.0/20	10.2.0.1
asia-south2	asia-south-2			10.3.0.0/20	10.3.0.1
▼ vpc-2	1	1460	Custom	0	Off
us-west2	us-west2			10.4.0.0/20	10.4.0.1

<input type="checkbox"/>	vpc-1	Ingress	Apply to all	IP ranges: 0.0.0.0/0	all	Allow	1000	vpc-1	Off
<input type="checkbox"/>	vpc-1-allow-http	Ingress	http-server	IP ranges: 0.0.0.0/0	tcp:80	Allow	1000	vpc-1	Off
<input type="checkbox"/>	vpc-1-allow-https	Ingress	https-server	IP ranges: 0.0.0.0/0	tcp:443	Allow	1000	vpc-1	Off
<input type="checkbox"/>	vpc-2-ssh	Ingress	Apply to all	IP ranges: 0.0.0.0/0	all	Allow	1000	vpc-2	Off

```
ssh.cloud.google.com
Connected, host fingerprint: ssh-rsa 0 C74D1:17:69:72:05:AB:5A:40:17:13:13:49:AC
:A3:30:45:D2:57:15:11:89:83:08:44:7C:FC:CF:D1:D1:2A:4C
Linux instance-1 4.19.0-18-cloud-amd64 #1 SMP Debian 4.19.208-1 (2021-09-29) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
ajayvb_ust@instance-1:~$ ping 10.4.0.2
PING 10.4.0.2 (10.4.0.2) 56(84) bytes of data.
64 bytes from 10.4.0.2: icmp_seq=299 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=300 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=301 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=302 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=303 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=304 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=305 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=306 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=307 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=308 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=309 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=310 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=311 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=312 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=313 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=314 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=315 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=316 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=317 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=318 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=319 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=320 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=321 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=322 ttl=64 time=227 ms
64 bytes from 10.4.0.2: icmp_seq=323 ttl=64 time=227 ms
```

```
ssh.cloud.google.com
Connected, host fingerprint: ssh-rsa 0 9A:4E:30:76:04:3A:24:98:0C:2B:80:FE:A7
:8B:0A:0F:0A:08:D2:33:4B:5F:73:6D:3E:85:68:29:15:96:77
Linux instance-2 4.19.0-18-cloud-amd64 #1 SMP Debian 4.19.208-1 (2021-09-29) x86_64

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individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
ajayvb_ust@instance-2:~$ ping 10.2.0.2
PING 10.2.0.2 (10.2.0.2) 56(84) bytes of data.
64 bytes from 10.2.0.2: icmp_seq=267 ttl=64 time=225 ms
64 bytes from 10.2.0.2: icmp_seq=268 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=269 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=270 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=271 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=272 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=273 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=274 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=275 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=276 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=277 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=278 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=279 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=280 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=281 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=282 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=283 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=284 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=285 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=286 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=287 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=288 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=289 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=290 ttl=64 time=227 ms
64 bytes from 10.2.0.2: icmp_seq=291 ttl=64 time=227 ms
```