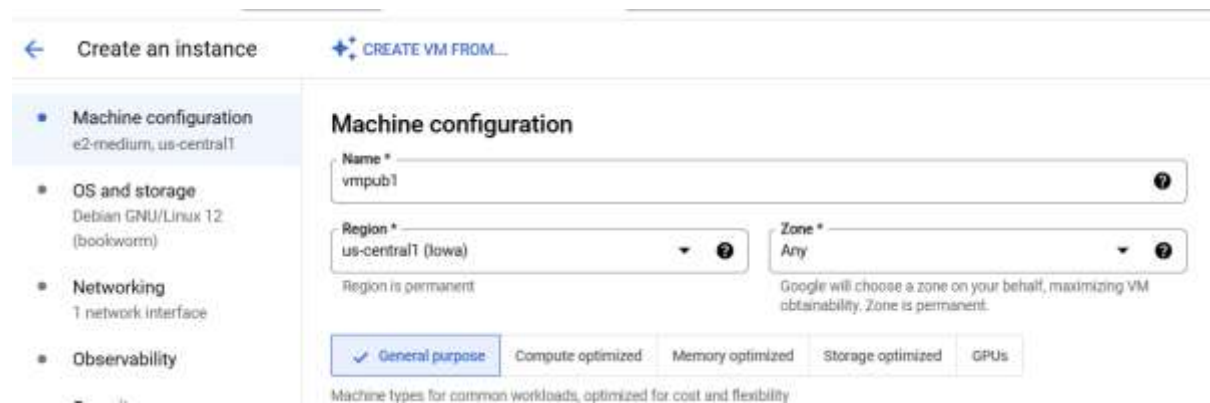


In This Lab, we will create a VM in the Private Subnet and Public Subnet of the new VPC we just created.

And we will also check the connectivity between them

Go to VM Instance page, create a New VM, and make sure to select the region same as of subnet



← Create an instance CREATE VM FROM...

Machine configuration

Name * vmpub1

Region * us-central1 (Iowa) Zone * Any

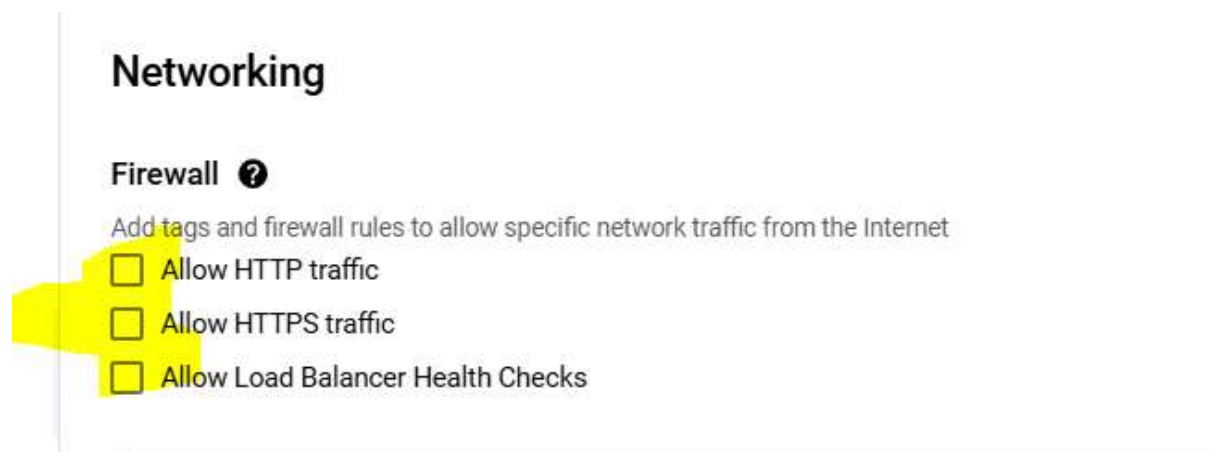
Region is permanent Google will choose a zone on your behalf, maximizing VM obtainability. Zone is permanent.

General purpose Compute optimized Memory optimized Storage optimized GPUs

Machine types for common workloads, optimized for cost and flexibility

Keep all options the same as in the VM lab, only make changes to the Networking options

Go to the Networking tab and expand the Network Interfaces option, and **do not check the Firewall rules** to allow traffic



Networking

Firewall ?

Add tags and firewall rules to allow specific network traffic from the Internet

☐ Allow HTTP traffic

☐ Allow HTTPS traffic

☐ Allow Load Balancer Health Checks

OS and storage

Debian GNU/Linux 12 (bookworm)

Networking

1 network interface

Observability

Security

Advanced

Hostname

Set a custom hostname for this instance or leave it default. Choice is permanent

IP forwarding

☐ Enable

Network performance configuration

Network bandwidth

☐ Enable per VM Tier_1 networking performance

Maximum outbound network bandwidth: 1Gbps

VM to Public IP: 1Gbps

Network interfaces

Network interface is permanent

▼ default default IPv4 (10.128.0.0/20)

ADD A NETWORK INTERFACE

Select myvpc and pub subnet, keep the rest default

⌵ Edit network interface

Network *

myvpc

▼ ?

Subnetwork *

mypubsubnet IPv4 (10.0.0.0/18)

▼ ?

?

To use IPv6, you need an IPv6 subnet range. [LEARN MORE](#)

Network interface card

—

▼

IP stack type

☒ IPv4 (single-stack)

☐ IPv4 and IPv6 (dual-stack)

☐ IPv6 (single-stack)

Primary internal IPv4 address

Ephemeral (Automatic)

▼ ?

Now create a VM in private subnet, for this, follow the same steps as above, only give the VM name as prvvm, and in networking select private subnet

Networking
1 network interface,
myprvsub1 (10.0.64.0/18)

- Observability
- Security
- Advanced

Edit network interface

Network *
myvpc

Subnetwork *
myprvsub1 IPv4 (10.0.64.0/18)

i To use IPv6, you need an IPv6 subnet range. [LEARN MORE](#)

Network interface card
-

IP stack type

- ☒ IPv4 (single-stack)
- ☐ IPv4 and IPv6 (dual-stack)
- ☐ IPv6 (single-stack)