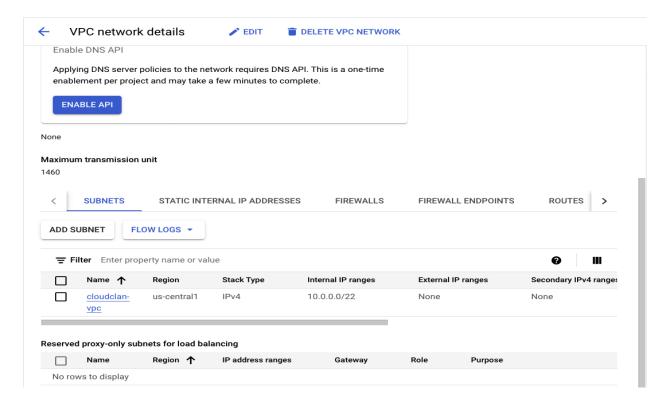
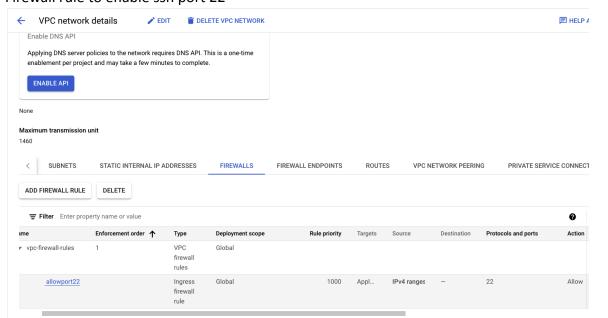
GCP Assignment: -

1. VPC Creation



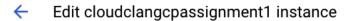
Firewall rule to enable ssh port 22



2. Compute Engine Instance



3. Start-up Script



- O Shut down (recommended)
- Do nothing

Metadata

You can set custom metadata for an instance or project outside of the server-defined metadata. This is useful for passing in arbitrary values to your project or instance that can be queried by your code on the instance. Learn more 🔀



Automation

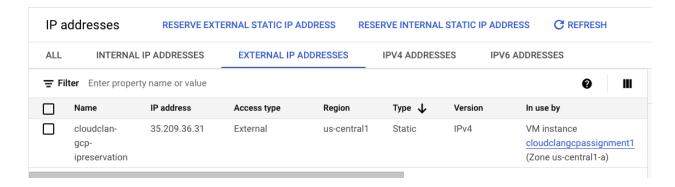
Startup script
sudo apt-get update
sudo apt install nginx -y

You can choose to specify a startup script that will run when your instance boots up or restarts. Startup scripts can be used to install software and updates, and to ensure that services are running within the virtual machine. Learn more 🖸

Sole tenancy

Provision VMs on a sole-tenant group or on a specific node within the group, within your project or projects shared with you. Learn more \square

4. IP reservation



5. Nginx screenshot

```
ajesh_km_rak@cloudclangcp:~$ systemctl status nginx
nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2023-09-01 12:26:44 UTC; 3min 19s ago
       Docs: man:nginx(8)

Process: 638 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)

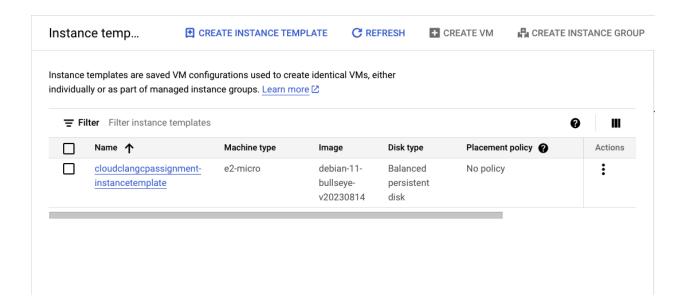
Process: 684 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
     Main PID: 698 (nginx)
Tasks: 3 (limit: 1145)
Memory: 11.4M
CPU: 66ms
        CGroup: /system.slice/nginx.service -698 nginx: master process /usr/sbin/nginx -g daemon on; master_process on; -701 nginx: worker process -702 nginx: worker process
Sep 01 12:26:44 cloudclangcp systemd[1]: Starting A high performance web server and a reverse proxy server...

Sep 01 12:26:44 cloudclangcp systemd[1]: nginx.service: Failed to parse PID from file /run/nginx.pid: Invalid argument

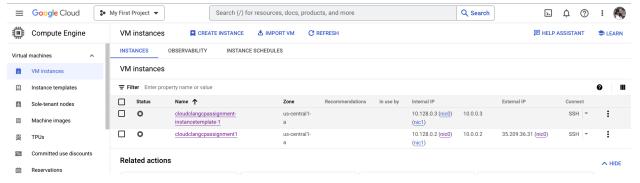
Sep 01 12:26:44 cloudclangcp systemd[1]: Started A high performance web server and a reverse proxy server.

rajesh km_rak@cloudclangcp:~$ curl localhost:80
<! DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
 <style>
       body {
              width: 35em;
              margin: 0 auto;
              font-family: Tahoma, Verdana, Arial, sans-serif;
</style>
</head>
For online documentation and support please refer to
ca href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.
 <em>Thank you for using nginx.</em>
</body>
 rajesh_km_rak@cloudclangcp:~$
                            Finder File Edit View Go Window Help
```

6. Instance Template



7. Instance from the template



8. Google Compute Managed Instance Groups

