Goggle cloud platform lab 1

Apache Web Server on Goggle Cloud
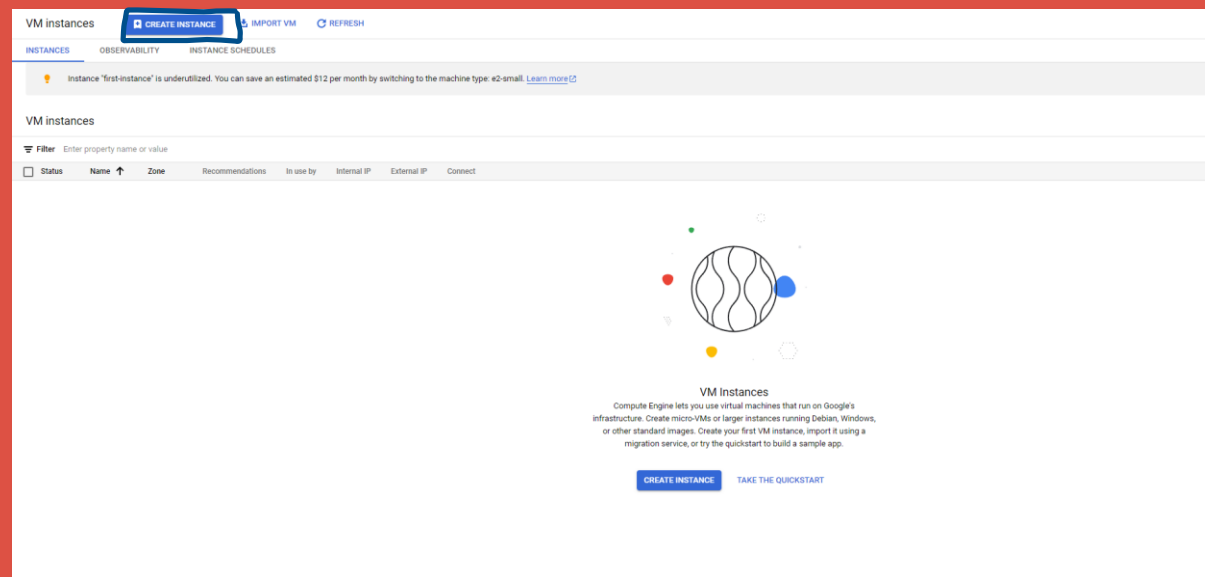
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Guidelines

- Guidelines:

- First make your own GCP account.

- Second after you make your account enable compute engine.
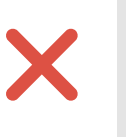
- Third create your first virtual machine (VM).

Hands-on-deck ✕

- VM Settings:

- Here you make you first VM.

Boot disk settings ✕

Boot disk ❓

Name	instance-20240507-132748
Type	New balanced persistent disk
Size	10 GB
License type ❓	Free
Image	🛡️ Debian GNU/Linux 12 (bookworm)

Allow HTTP and HTTPS traffic ✕

Firewall ❓

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

- ☑ Allow HTTP traffic
- ☑ Allow HTTPS traffic
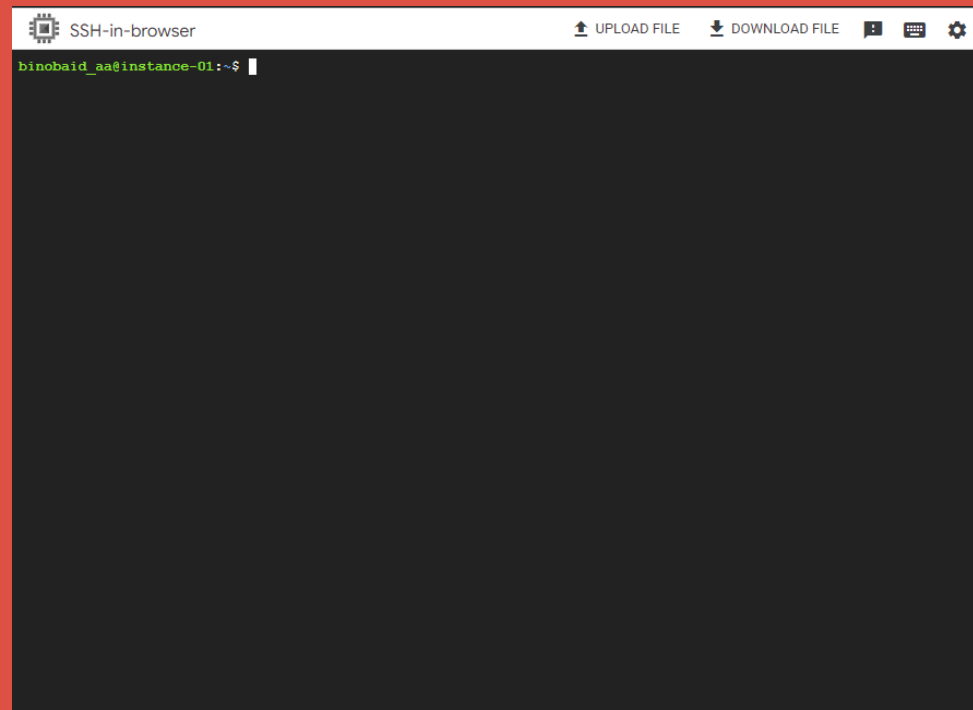- ☐ Allow Load Balancer Health Checks

VM SSH ✕

- After we create our first VM , we 'll run SSH from clicking the SSH button

	Status	Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
☐	✅	instance-01	us-central1-a			10.128.0.8 (nic0)	34.69.246.116 ☑ (nic0)	SSH ▾

SSH window

- Now we open SSH window.

SSH window ✕

- First thing is to update packages by the cmd: **apt-get update**

SSH window ✕

- After that install apache2 server in the cmd: sudo apt-get install apache2 -y

SSH window ✕

- We have installed apache2 server successfully but how to check if the server is working , we write in cmd : sudo service -status-all
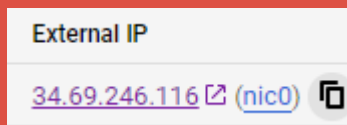
SSH window ✕

- The check is completed.


```
binobaid_aa@instance-01:~$ sudo service --status-all
[ + ]  apache-htcacheclean
[ + ]  apache2
[ + ]  apparmor
[ + ]  cron
[ + ]  dbus
[ + ]  exim4
[ + ]  haveged
[ - ]  hwclock.sh
[ + ]  kmod
[ + ]  procps
[ - ]  screen-cleanup
[ + ]  ssh
[ - ]  sudo
[ + ]  udev
[ + ]  unattended-upgrades
[ - ]  uuidd
```

SSH window ✕

- Note:

- If you have index.html upload it and move it to /var/www/html

- Finally, after you upload your website now go to your external IP and click on it.

External IP

34.69.246.116 ☑ (nic0) ⧉

Thank You!