Google Cloud Platform Project

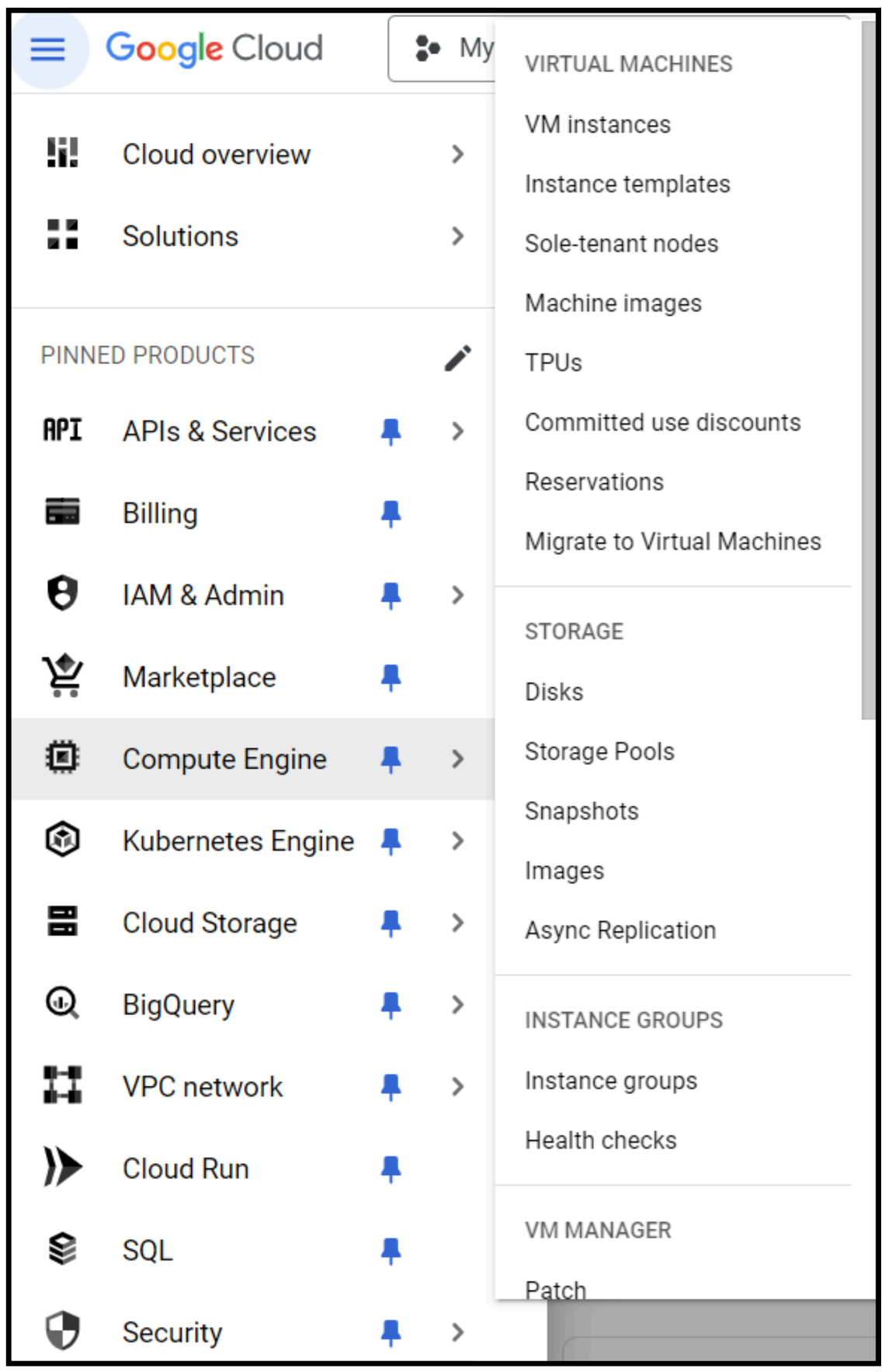
Creating Apache Web Server on Google Cloud

- **General Instruction:**

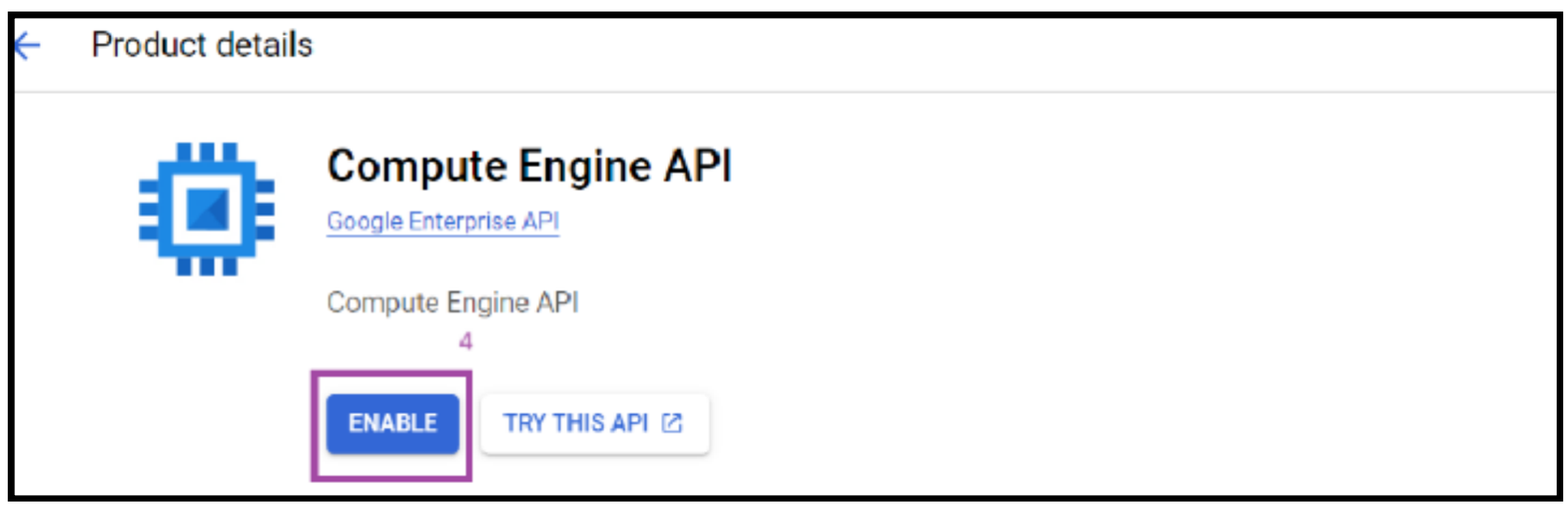
1 - Make your own GCP account.

2 - From The Navigation Menu , go to Compute Engine.

3 - Create a virtual machine by choosing VM Instance

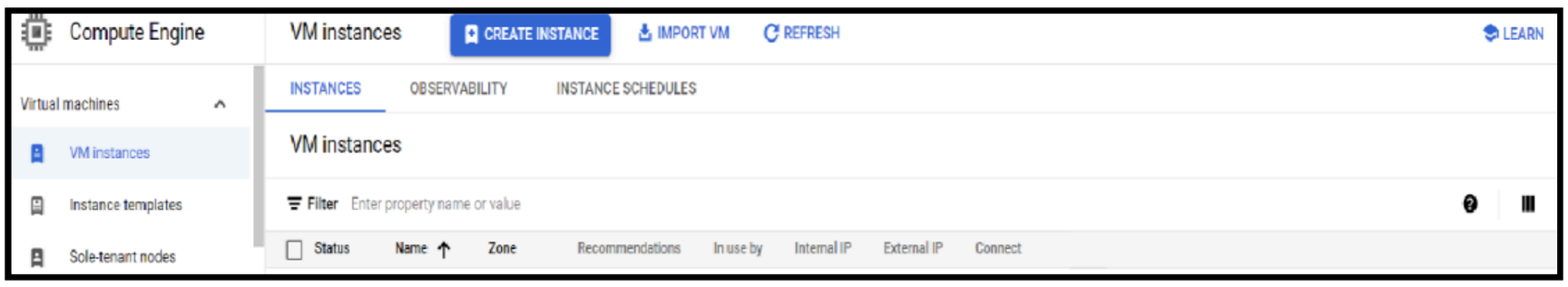


4 - Enable Compute Engine.

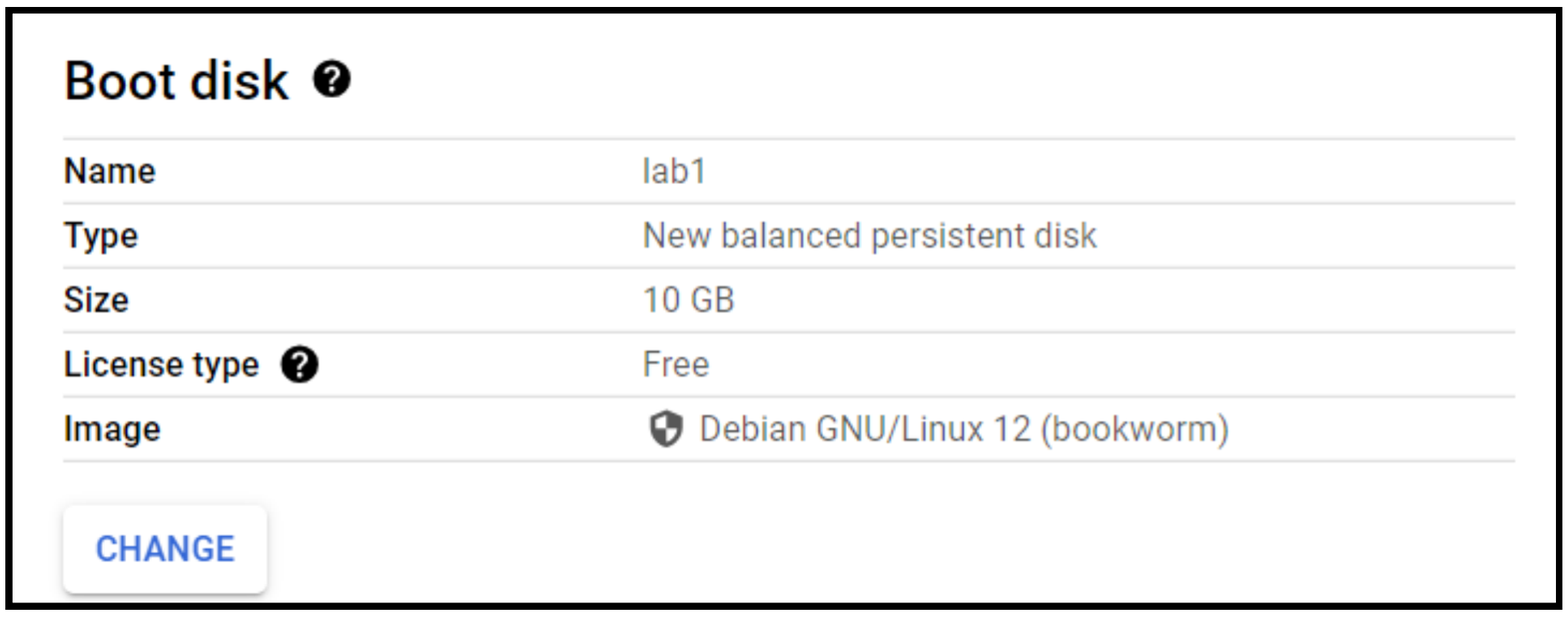


- ## Setting up the VM Instance
  - ### Create a Virtual Machine (VM)

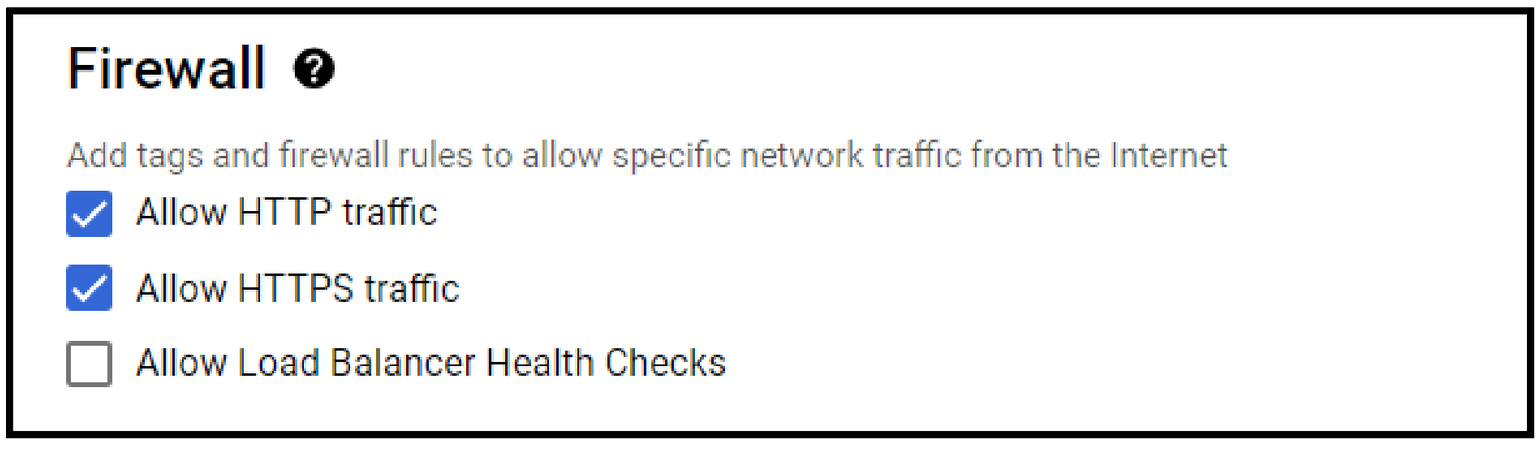
    - Step 1 : Press “**CREATE INSTANCE**”.



    - Step 2 : View The boot disk default settings

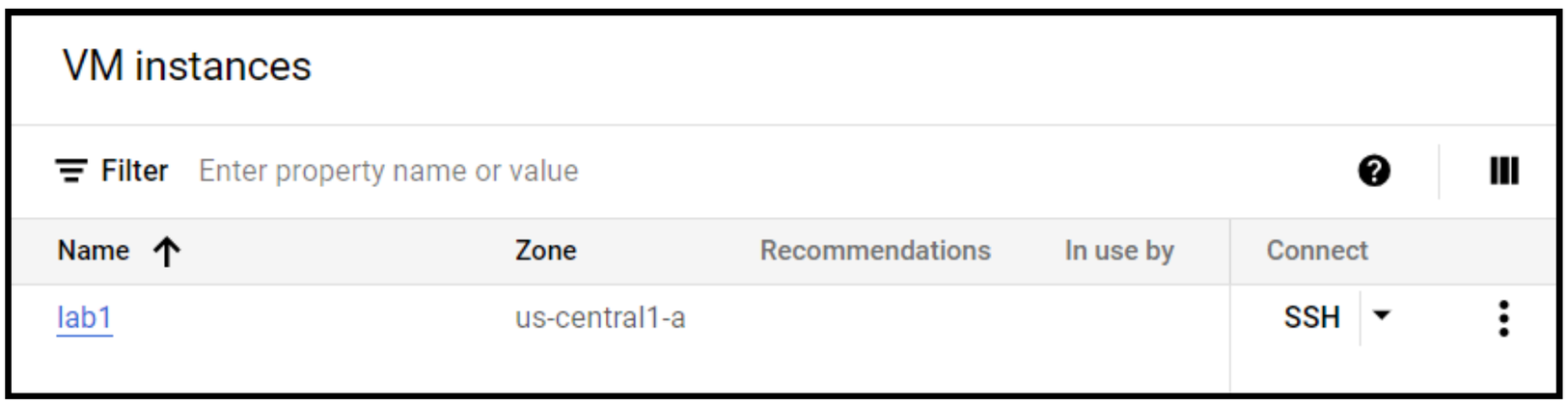


    - Step 3 : Allow **HTTP** & **HTTPS** in The Firewall section

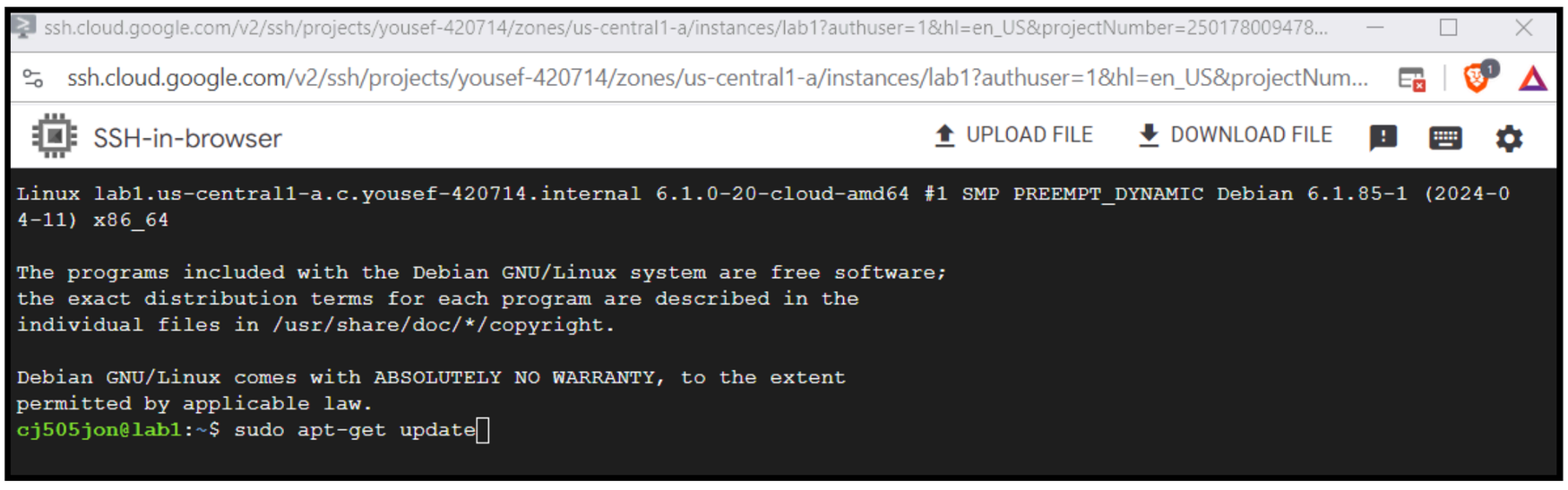


- **Setting up VM SSH:**

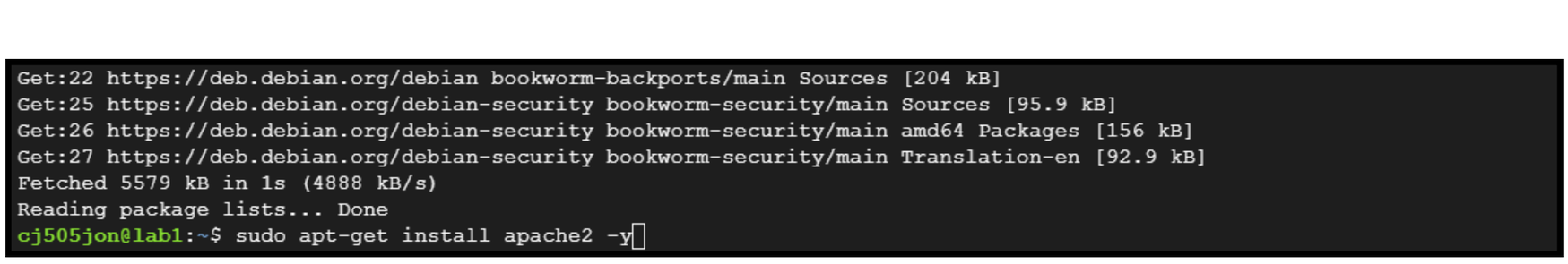
  - Step 1 : Run SSH be clicking the “**SSH**” button.



  - Step 2 : When SSH window open update packages using the Command Line by writing :
    sudo apt-get update



  - Step 3 : Install apache2 server using the command line by writing:
    sudo apt-get install apatche2 -y



<u>Now the server is installed on the VM.</u>

- **Running The server :**
  - to check if the server is working use the command Line by writing :

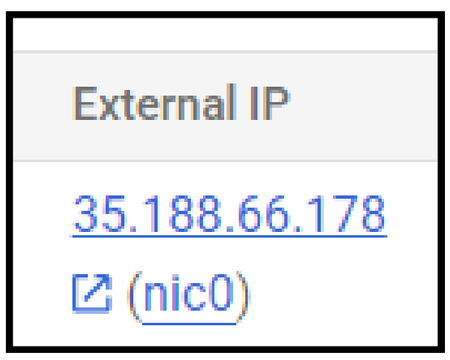
sudo service --status-all

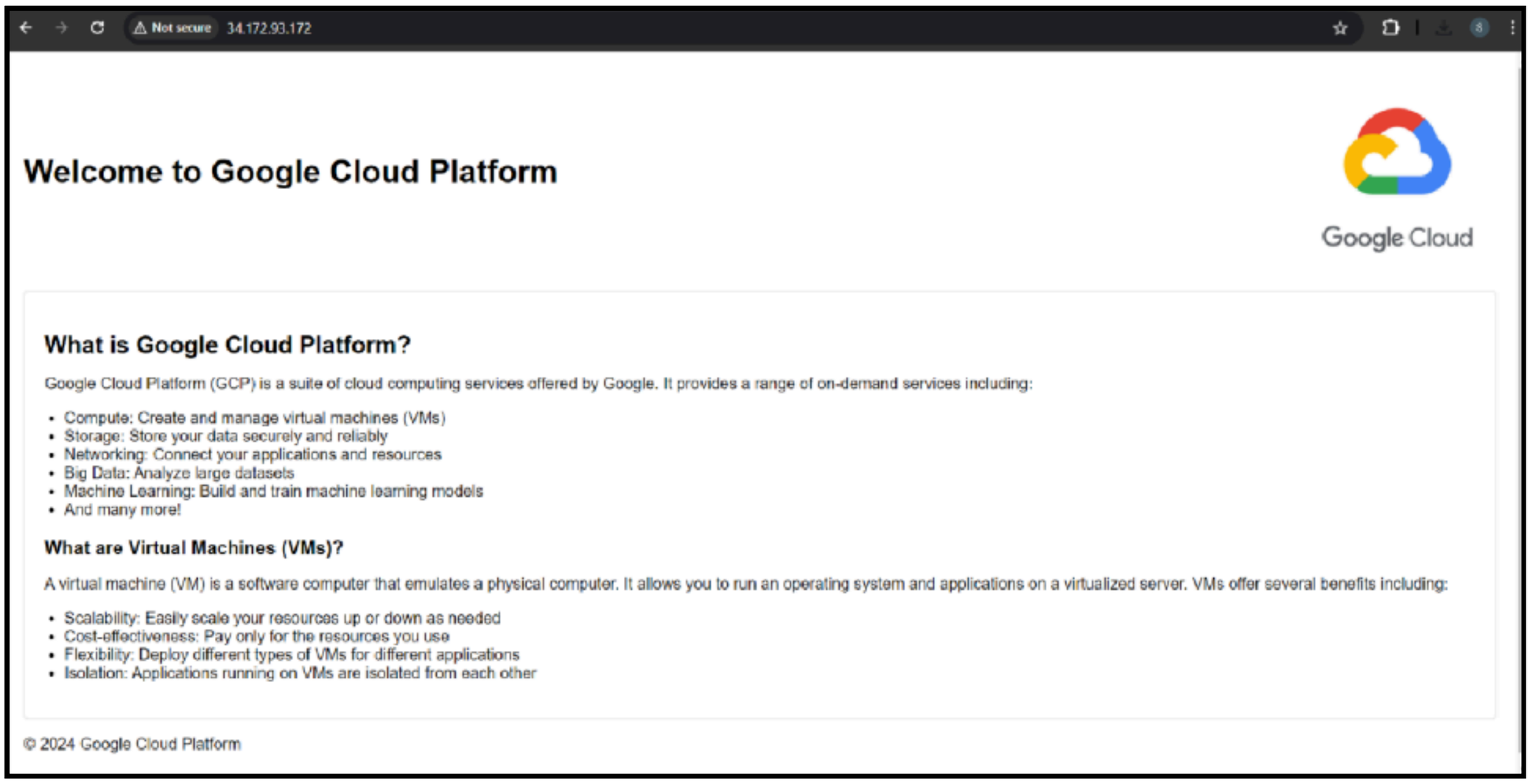
```
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libc-bin (2.36-9+deb12u4) ...
cj505jon@lab1:~$ sudo service --status-all
```

- The check is completed.

```
cj505jon@lab1:~$ sudo service --status-all
 [ + ]  apache-htcacheclean
 [ + ]  apache2
 [ + ]  apparmor
 [ + ]  cron
 [ + ]  dbus
 [ + ]  exim4
 [ + ]  haveged
 [ - ]  hwclock.sh
 [ + ]  kmod
 [ + ]  procps
 [ - ]  screen-cleanup
 [ + ]  ssh
 [ - ]  sudo
 [ + ]  udev
 [ + ]  unattended-upgrades
 [ - ]  uuidd
cj505jon@lab1:~$
```

- 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.





Good Luck!

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