Google Cloud Platform Project

Creating Apache Web Server on Google Cloud

Creator Information	
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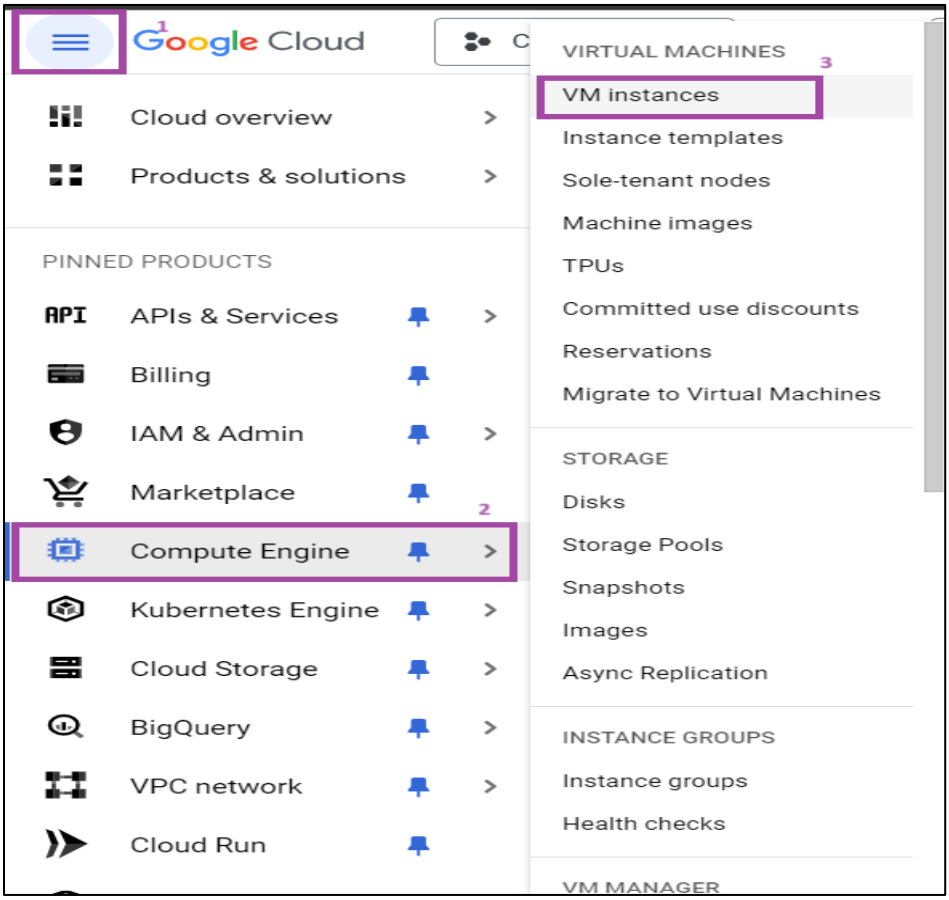
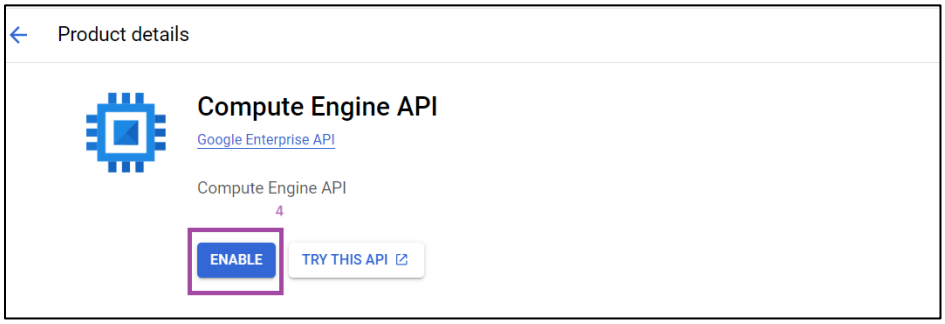
Contents

General Instructions

1- Make your own GCP account.
   Through URL: https://cloud.google.com/
2- From The Navigation Menu, go to Compute Engine.
3- Create a virtual machine by choosing VM Instance.



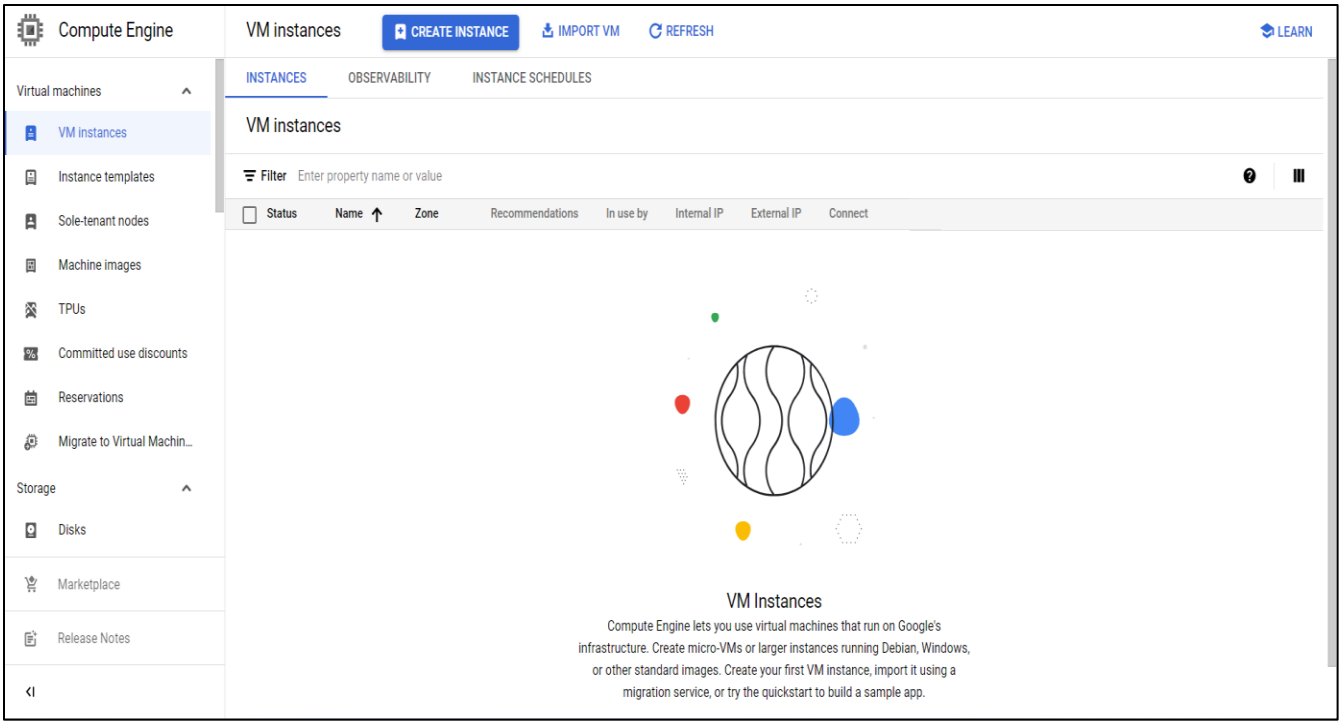
4- Enable Compute Engine



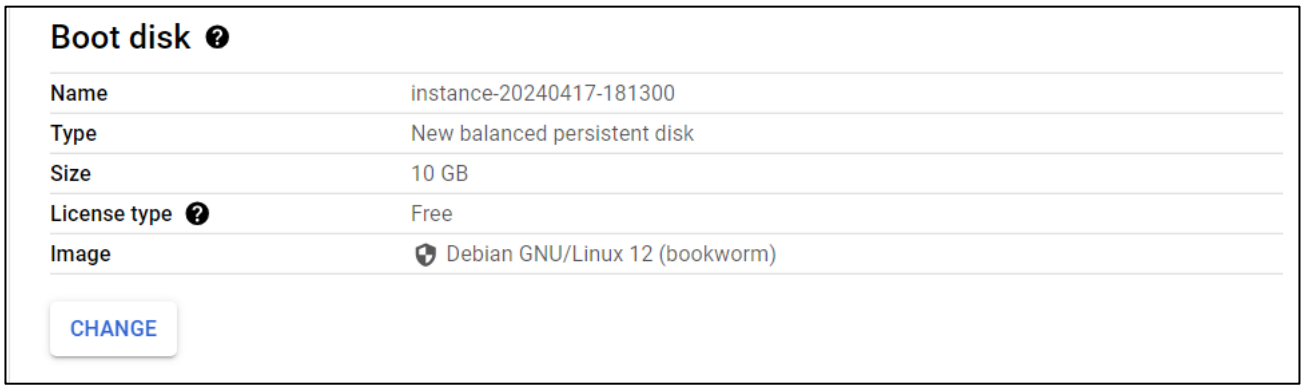
Setting up the VM Instance

Create a Virtual Machine (VM)

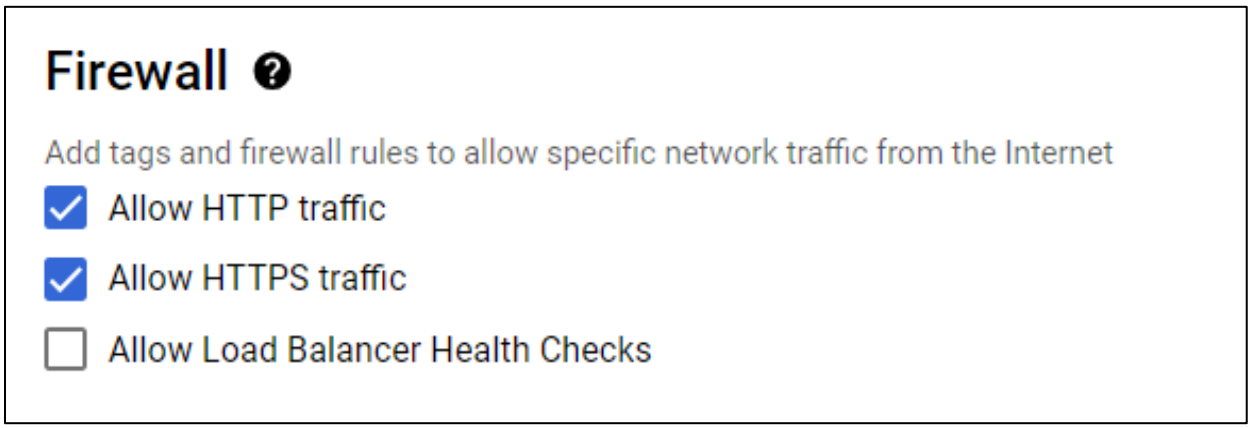
1. Press “**CREATE INSTANCE**”.



2. View The boot disk default settings (Can be changed by pressing the “**Change**” button).

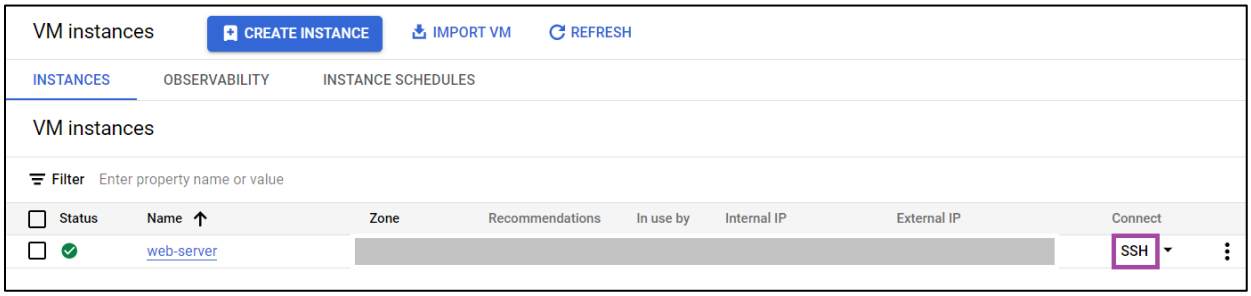


3. FireWall section: Allow HTTP & HTTPS traffic.

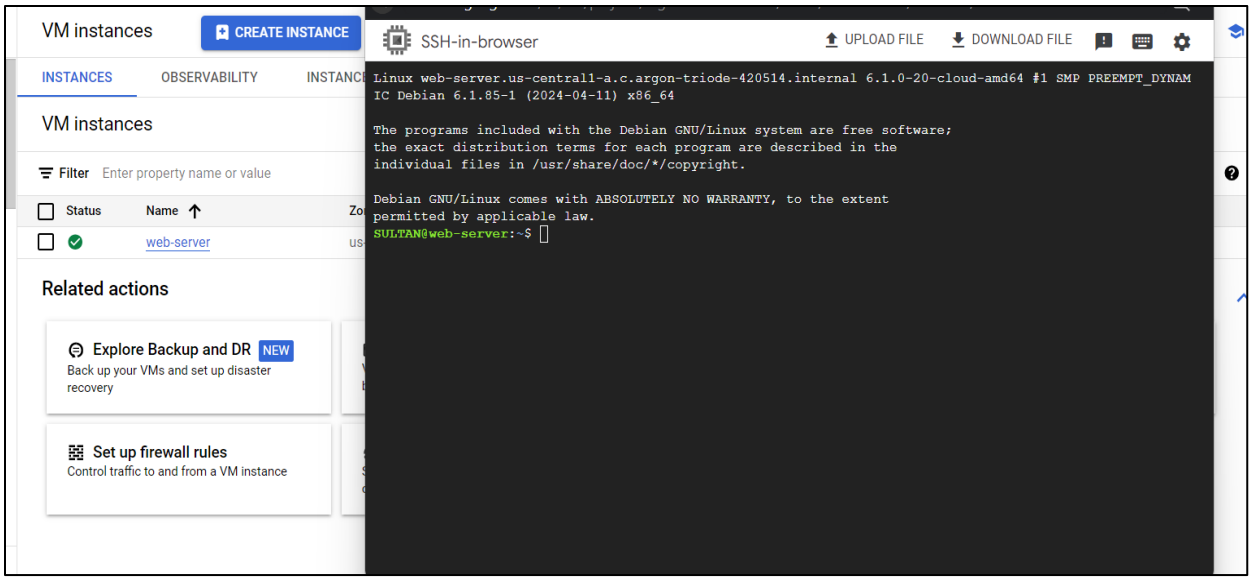


Setting up VM SSH

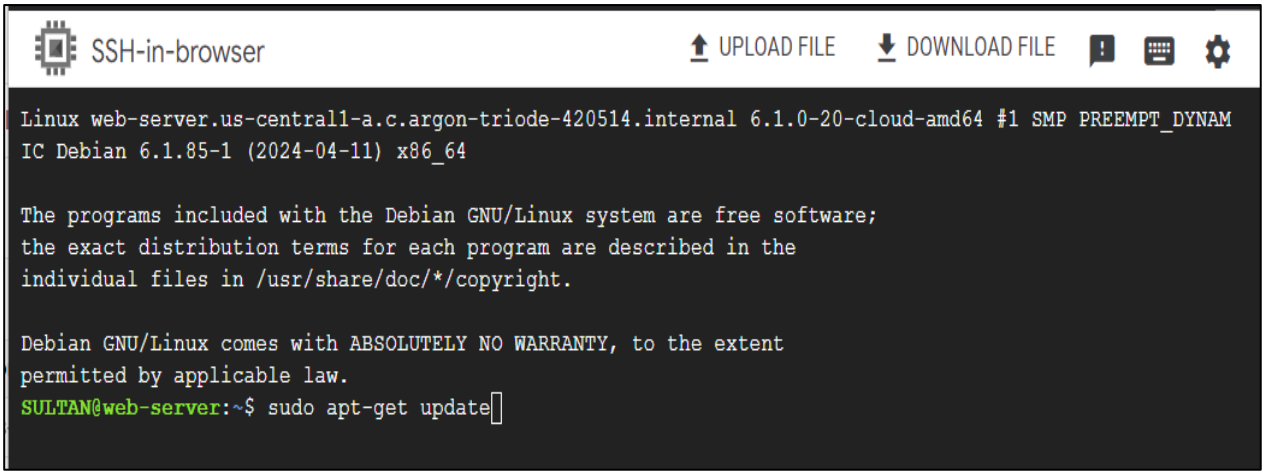
1. run SSH by clicking the "**SSH**" button.



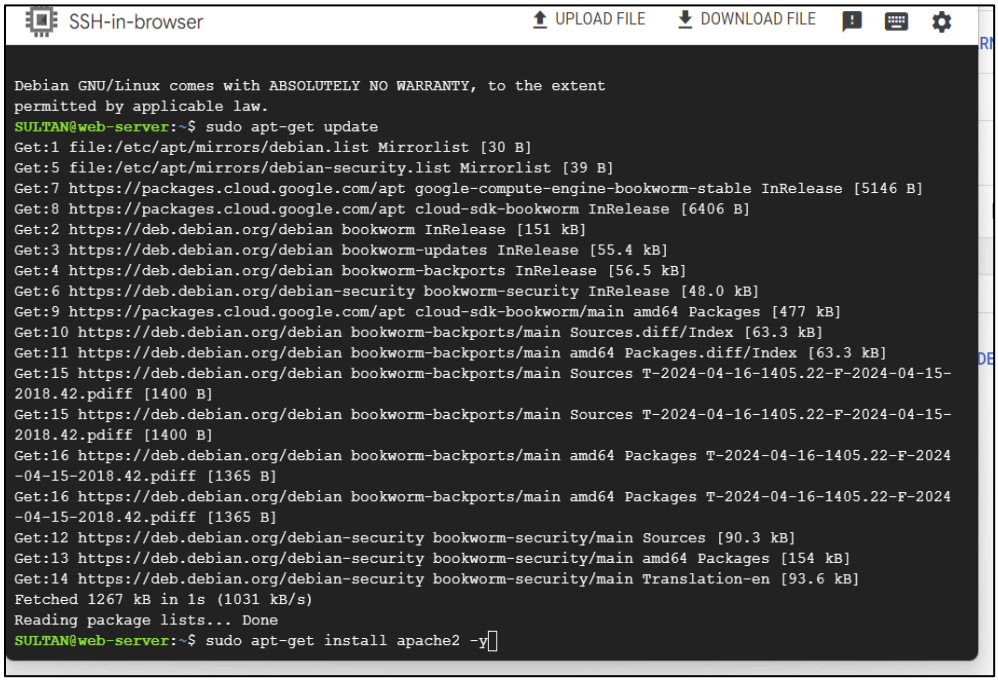
2. An SSH window will open.
3. Update packages using the Command Line by writing:



sudo apt-get update



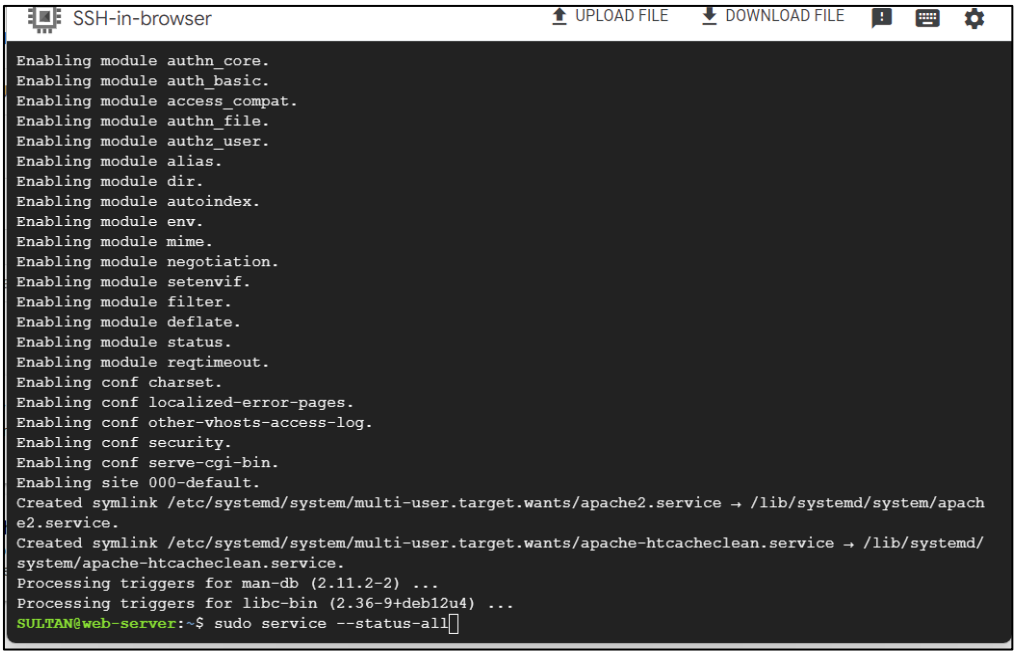
4. Install apache2 server using the Command Line by writing:
   sudo apt-get install apache2 -y

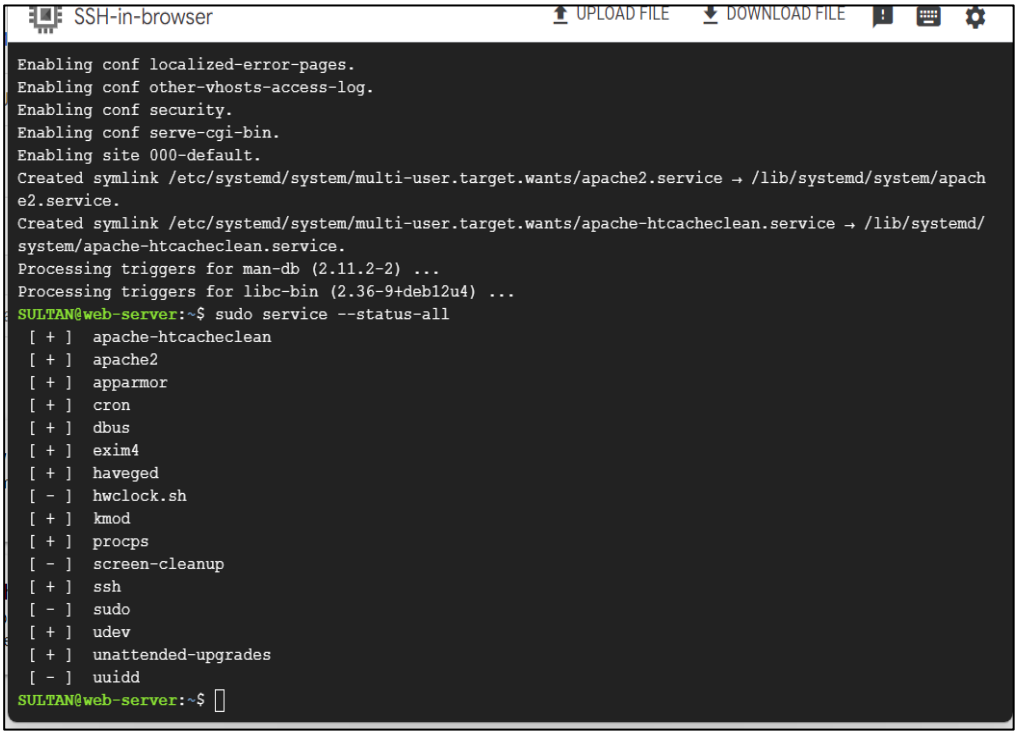


Now the Server is installed on the VM.

Running the server

1. To check if the server is working use the Command Line by writing : sudo service --status-all

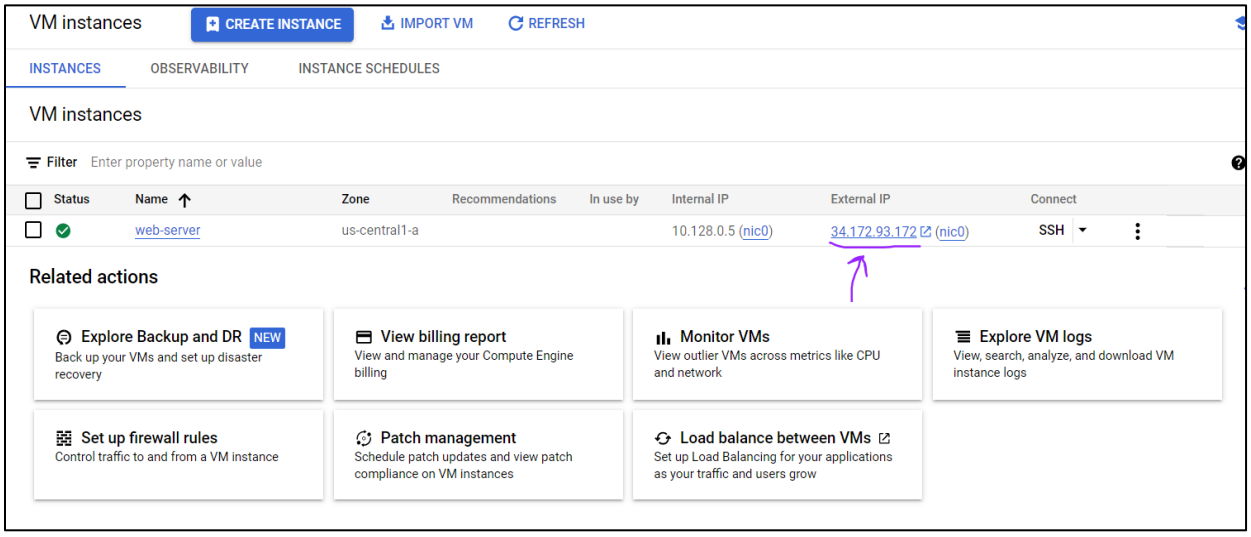


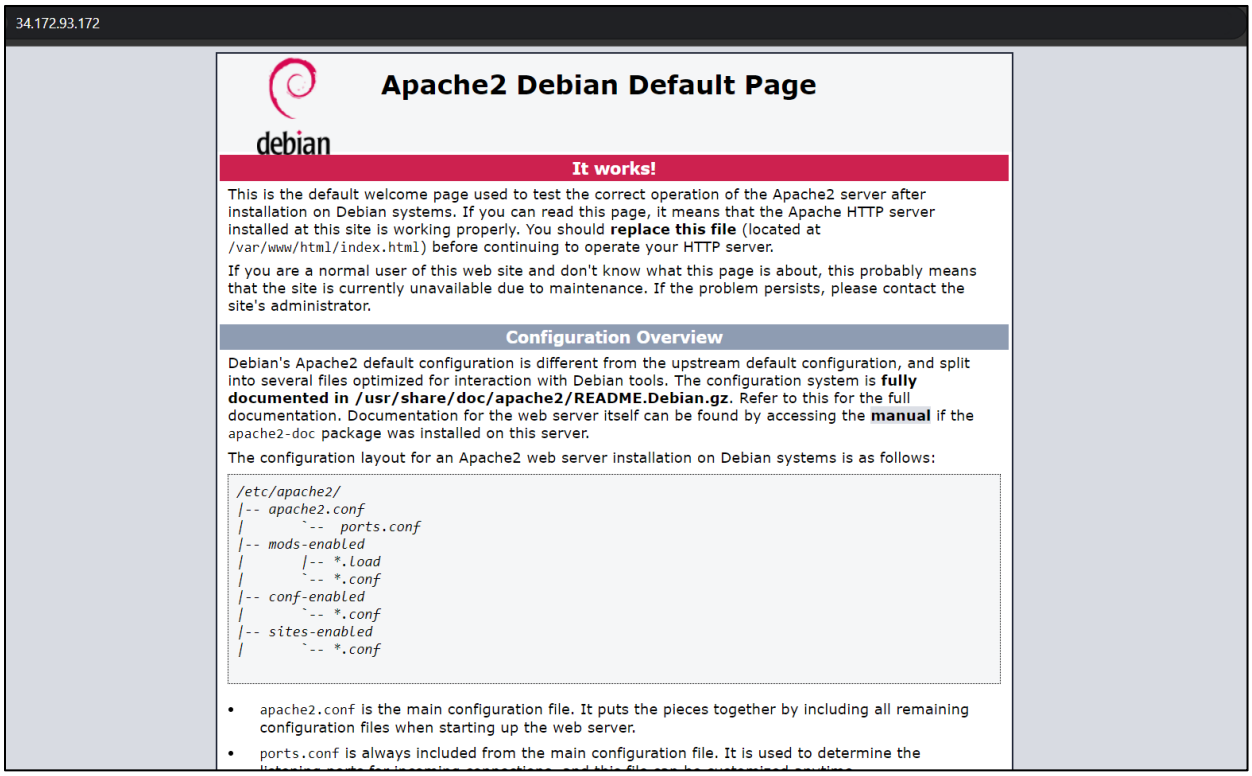


Note:

Apache By default will provide a home page named “**index.html**”

You can access it by clicking on the “**External IP**” button at the VMInctances page.





2. To use a custom Home Page, make sure to name the file “index.html” and locate it in the following path :

   /var/www/html

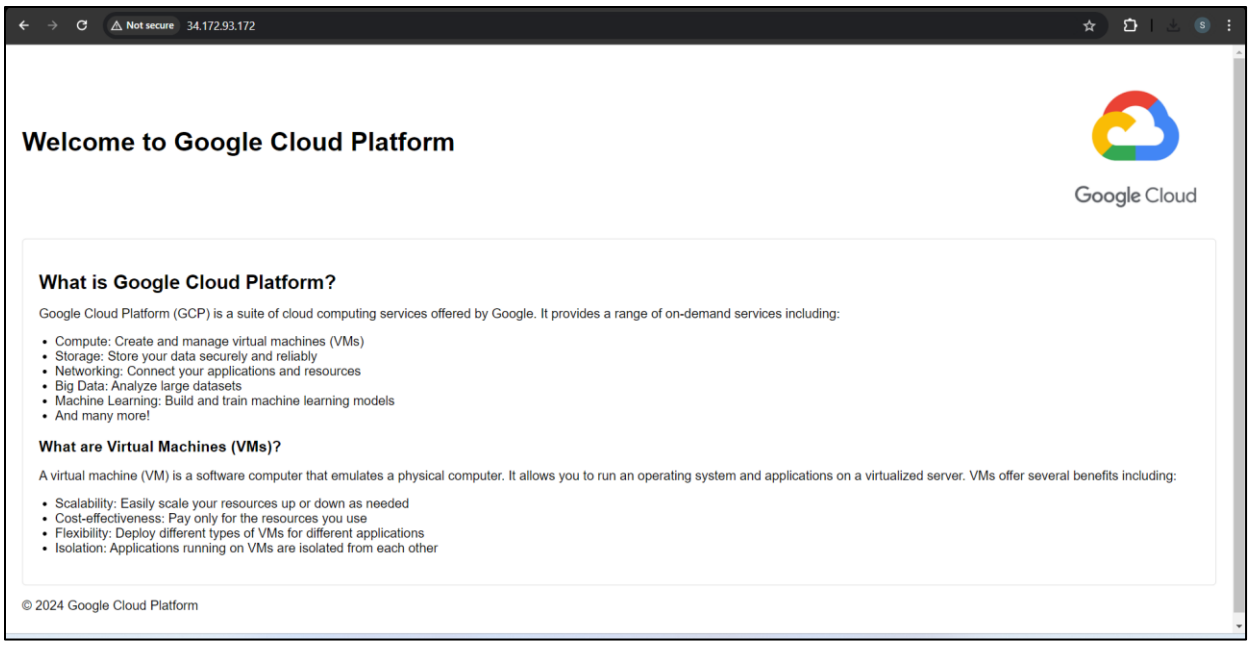
example:

my index.html file is presented at the root folder for the web server.

The following screenshot presents the “move” command to locate the file at the desired destination.

```
SULTAN@web-server:~$ sudo mv index.html /var/www/html
SULTAN@web-server:~$ ls
SULTAN@web-server:~$ cd /var/www/html
SULTAN@web-server:/var/www/html$ ls
index.html
SULTAN@web-server:/var/www/html$
```

The following screenshot shows the custom “**index.html**” file we moved to the **/html** path.



Good Luck!

Created With Passion

By **SULTAN**