Google Cloud Platform project

Apache Web Server on Google Cloud

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Guidelines:

- Create an account at GCP.
- Enable compute engine.
- Create your virtual machine.

VM setting :

Here you make your first VM

The boot disk settings.

Allow HTTP and HTTPS traffic.

VM SSH:

After we create our first VM, we will run SSH from click the SSH button.

Now we open the SSH window.
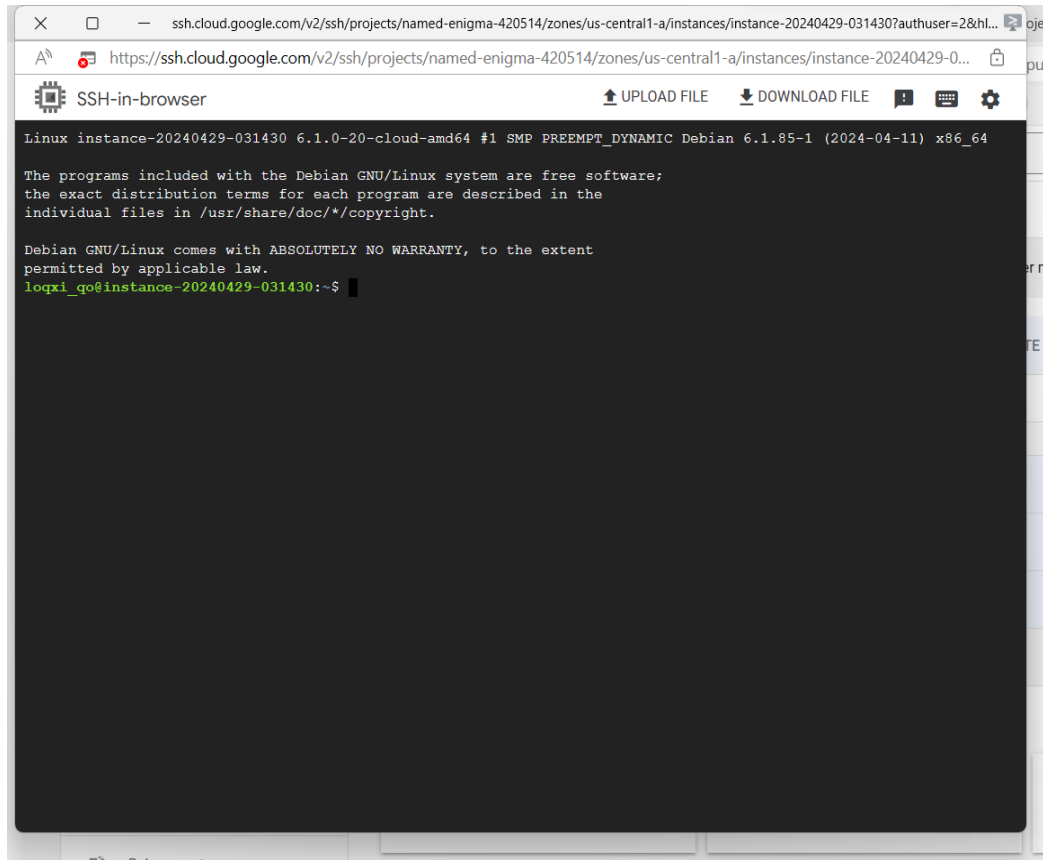
First thing is to update packages by the cmd: ==sudo apt-get update==

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

We install apache2 server successfully but how to check if the server is working: <mark>sudo service -- status-all</mark>
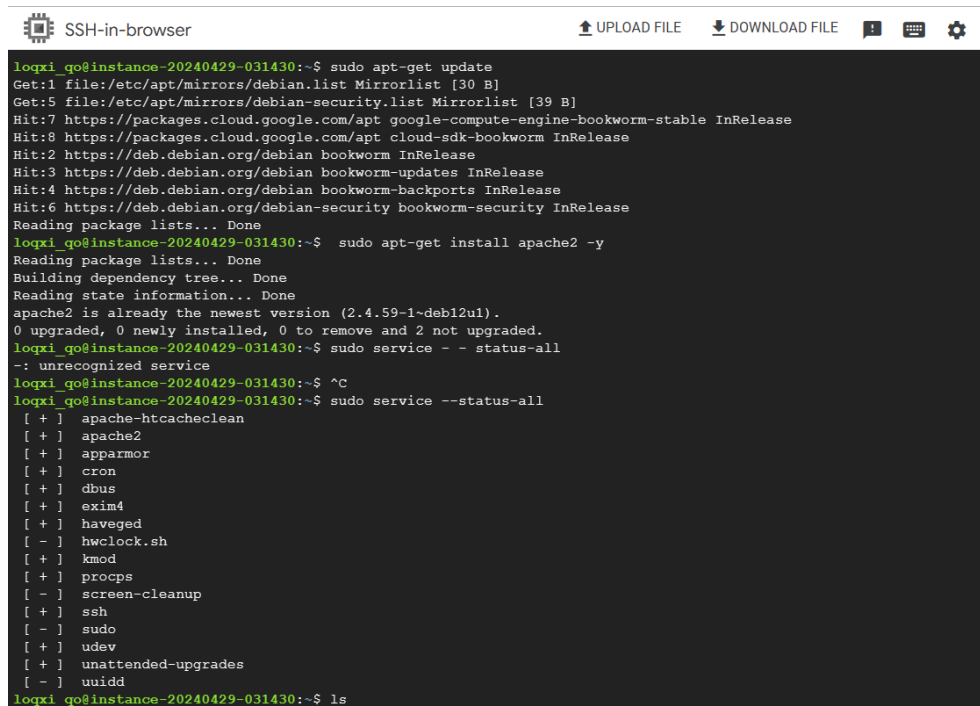

The check is completed.

Note:

If you have index.html upload it and move it to

/var/www/html
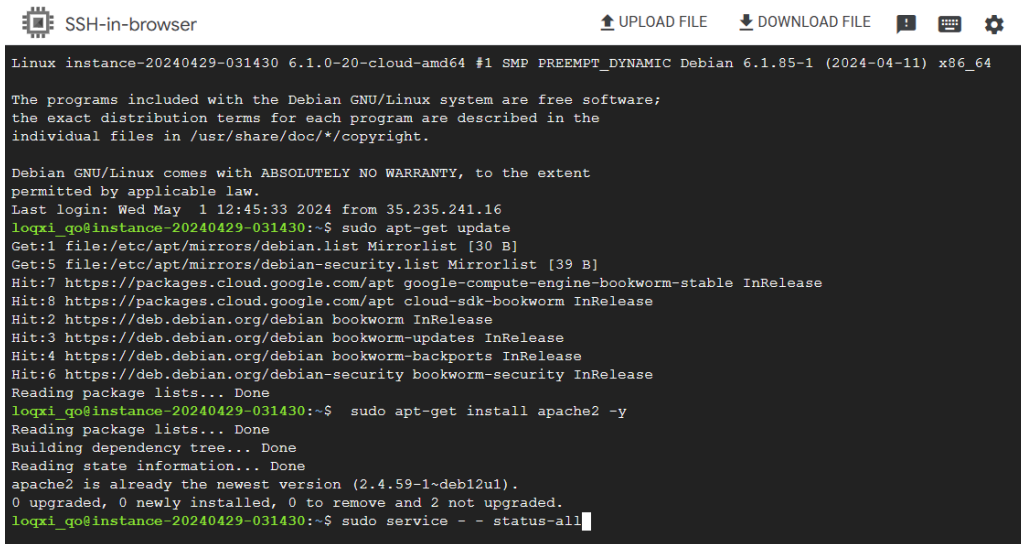
☐ ✓   instance-20240429-031430   us-central1-a   💡 Save $11/mo 💡   10.128.0.3 (nic0)   104.197.65.52 ☒ (nic0)   SSH ▾   ⋮
                                                    Save $21/mo

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

Welcome to Google Cloud Platform

What is Google Cloud Platform?

Google Cloud Platform (GCP) is a suite of cloud computing services offered by Google. It provides a range of on-demand services including:

- Compute: Create and manage virtual machines (VMs)
- Storage: Store your data securely and reliably
- Networking: Connect your applications and resources
- Big Data: Analyze large datasets
- Machine Learning: Build and train machine learning models
- And many more!

What are Virtual Machines (VMs)?

A virtual machine (VM) is a software computer that emulates a physical computer. It allows you to run an operating system and applications on a virtualized server. VMs offer several benefits including:

- Scalability: Easily scale your resources up or down as needed
- Cost-effectiveness: Pay only for the resources you use
- Flexibility: Deploy different types of VMs for different applications
- Isolation: Applications running on VMs are isolated from each other