Google cloud platform project

Apache Web Server on Google Cloud

By Alshaimaa Alamer.

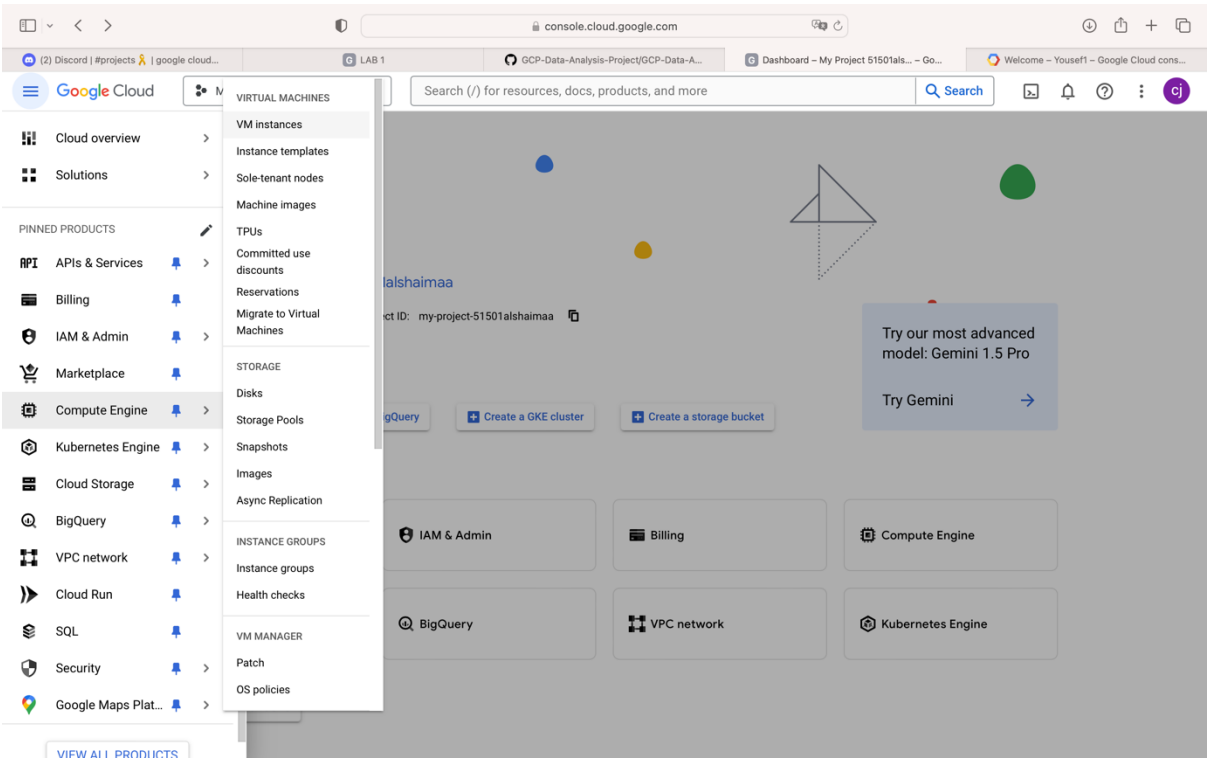
Guidelines:

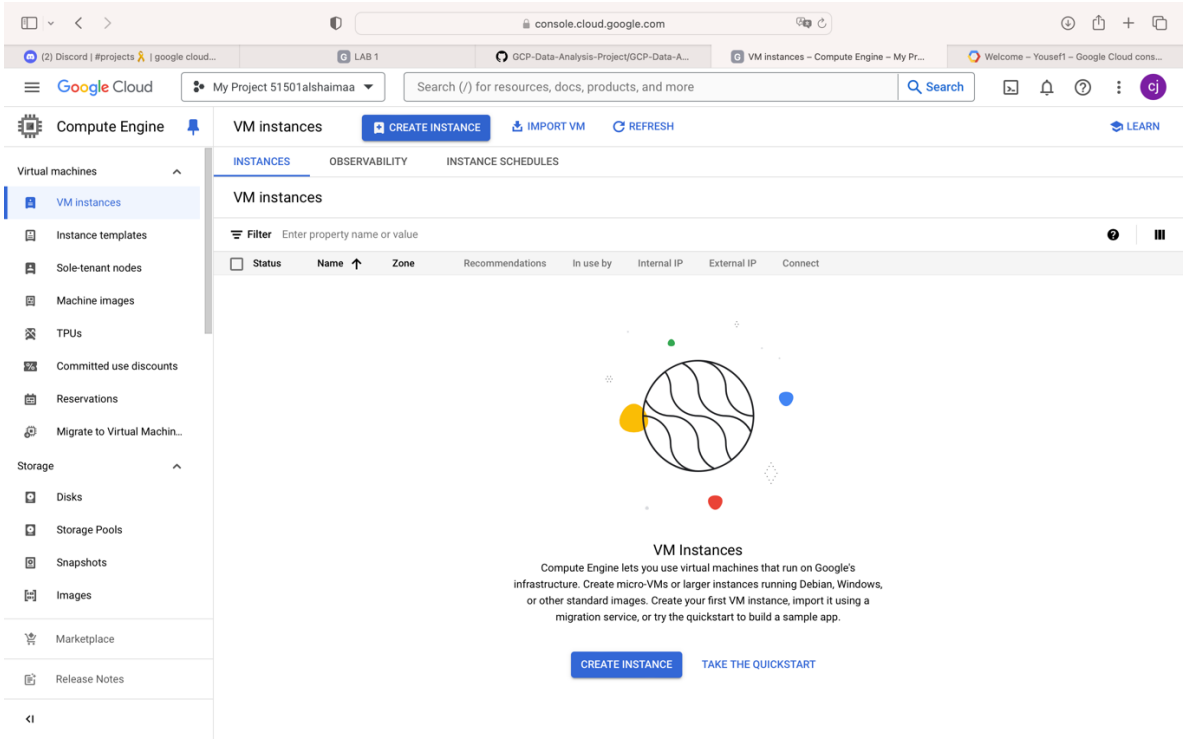
● First make your own GCP account.
● second after you make your account enable compute engine ● third create your first virtual machine

Hands-on-deck $:~

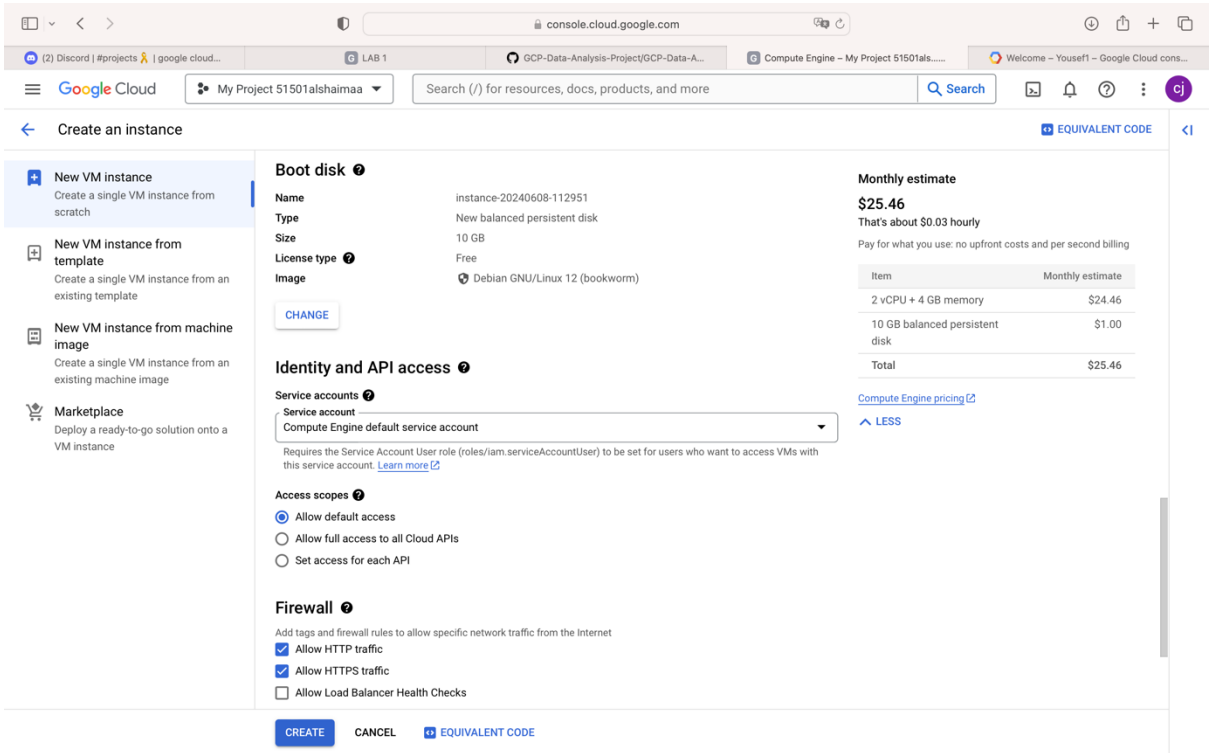
VM settings:

here you make your first VM.

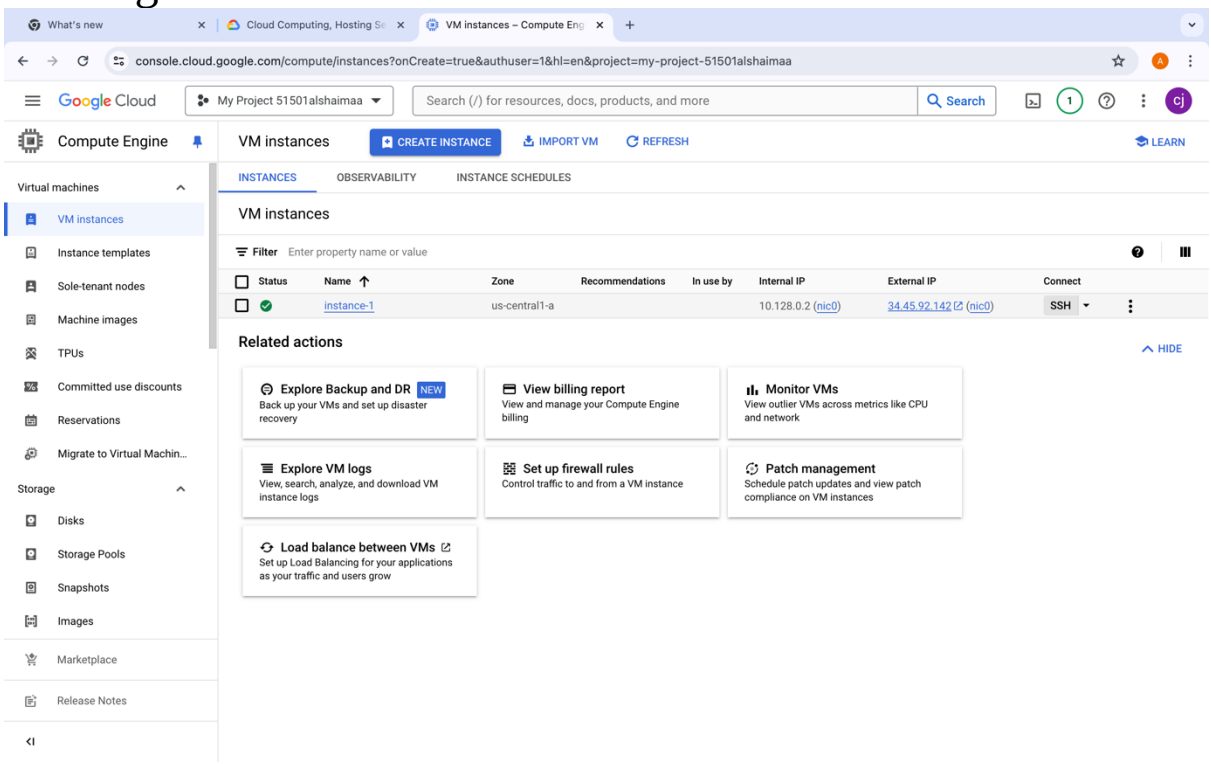




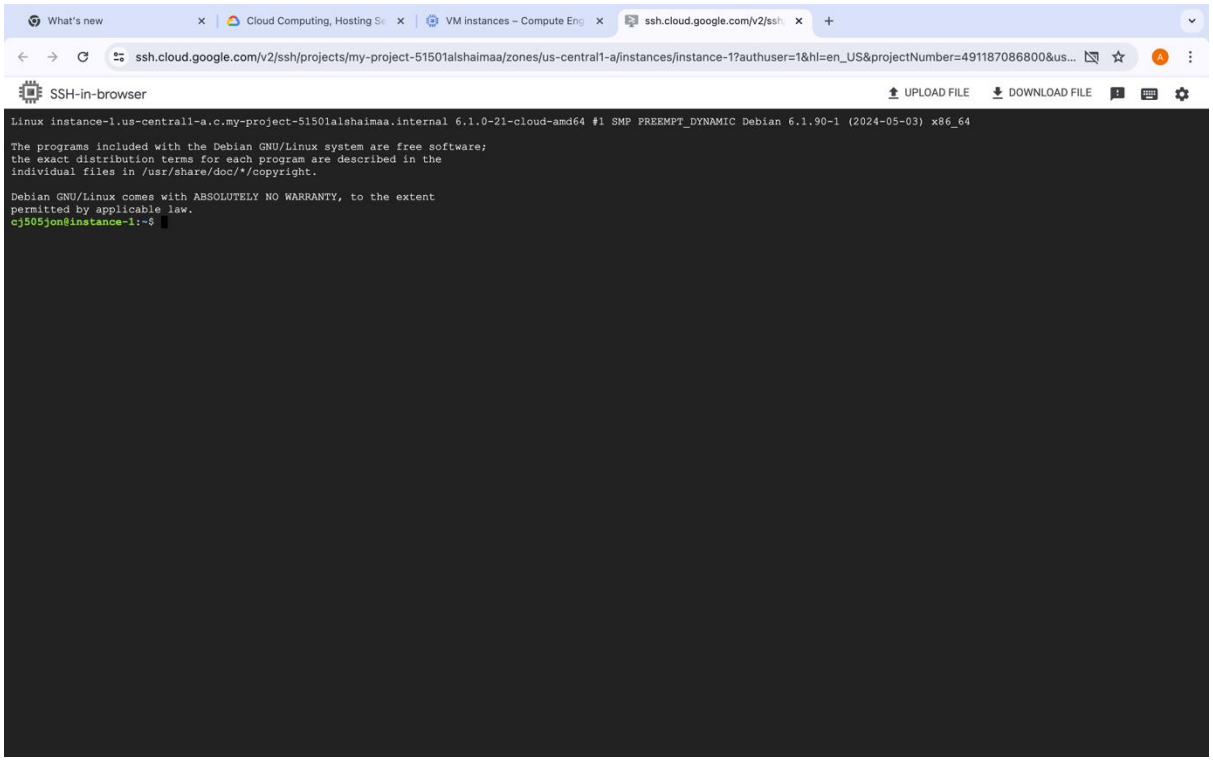
The boot disk settings and the firewall (Allow HTTP and HTTPS traffic) the hit create.



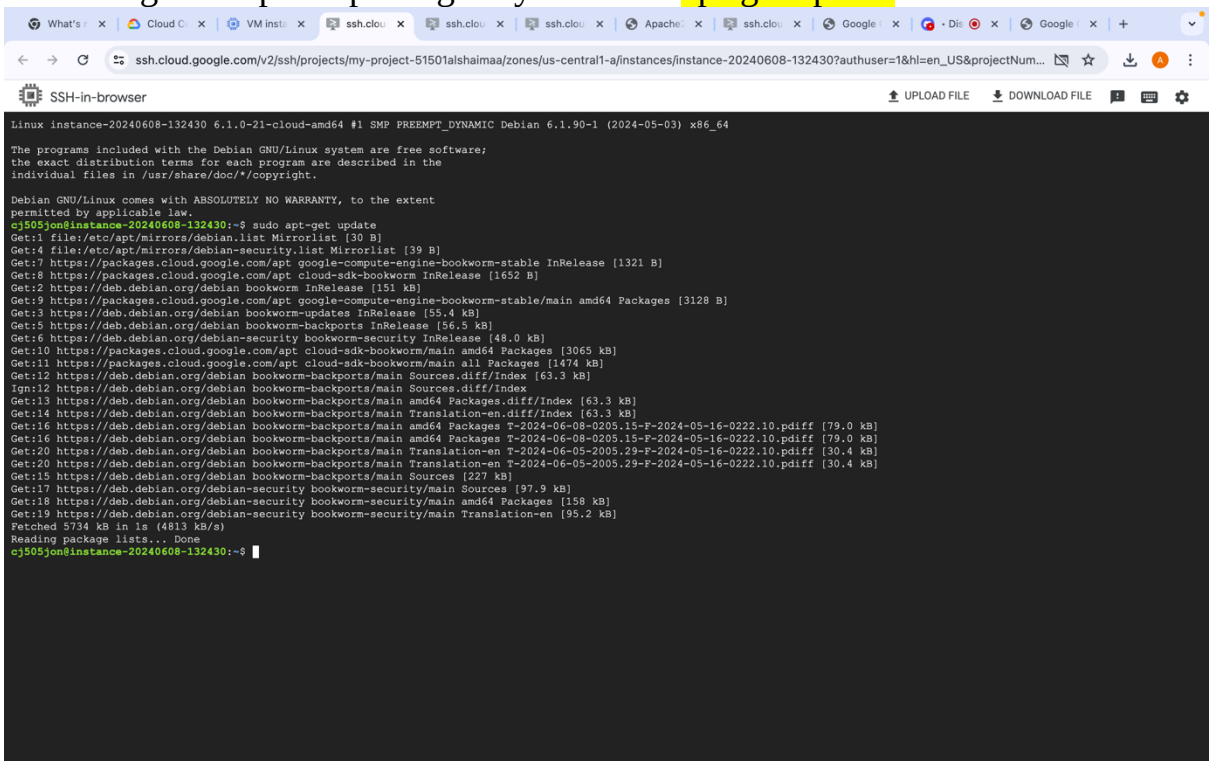
VM SSH:
After we create our first VM, we'll run SSH from clicking the SSH button.



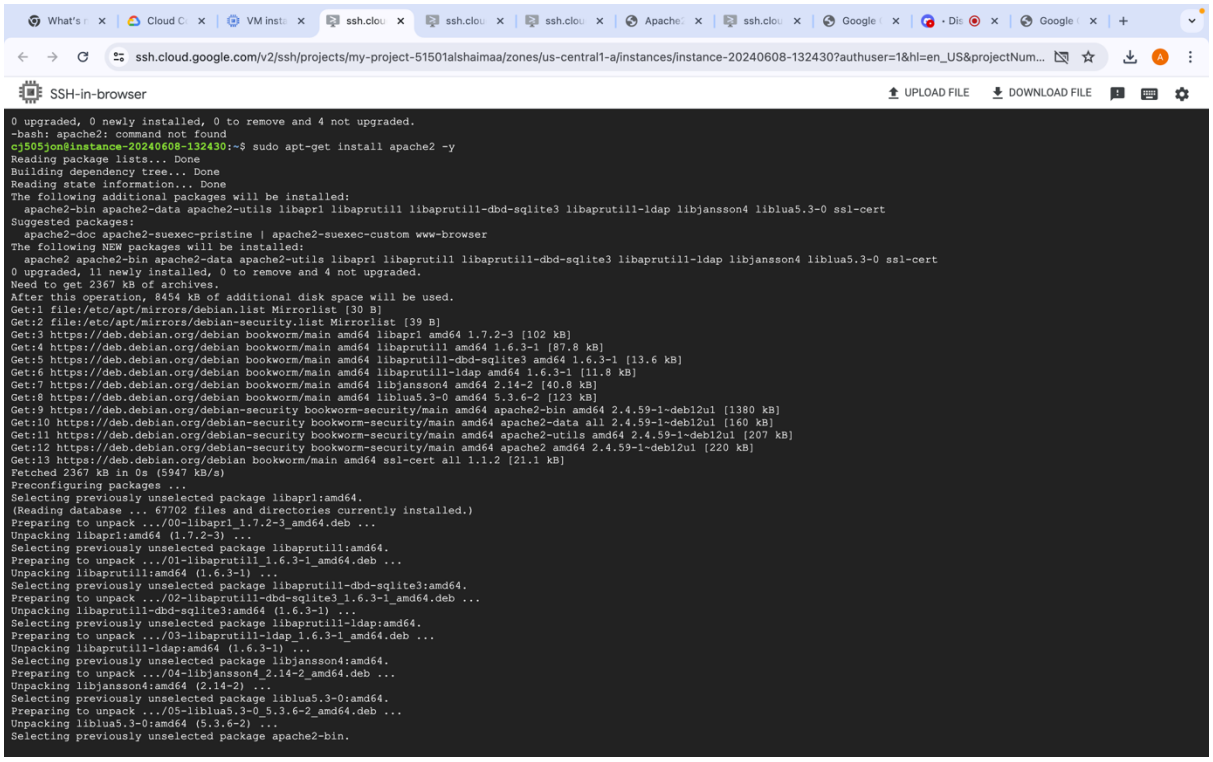
Now we open the SSH window.



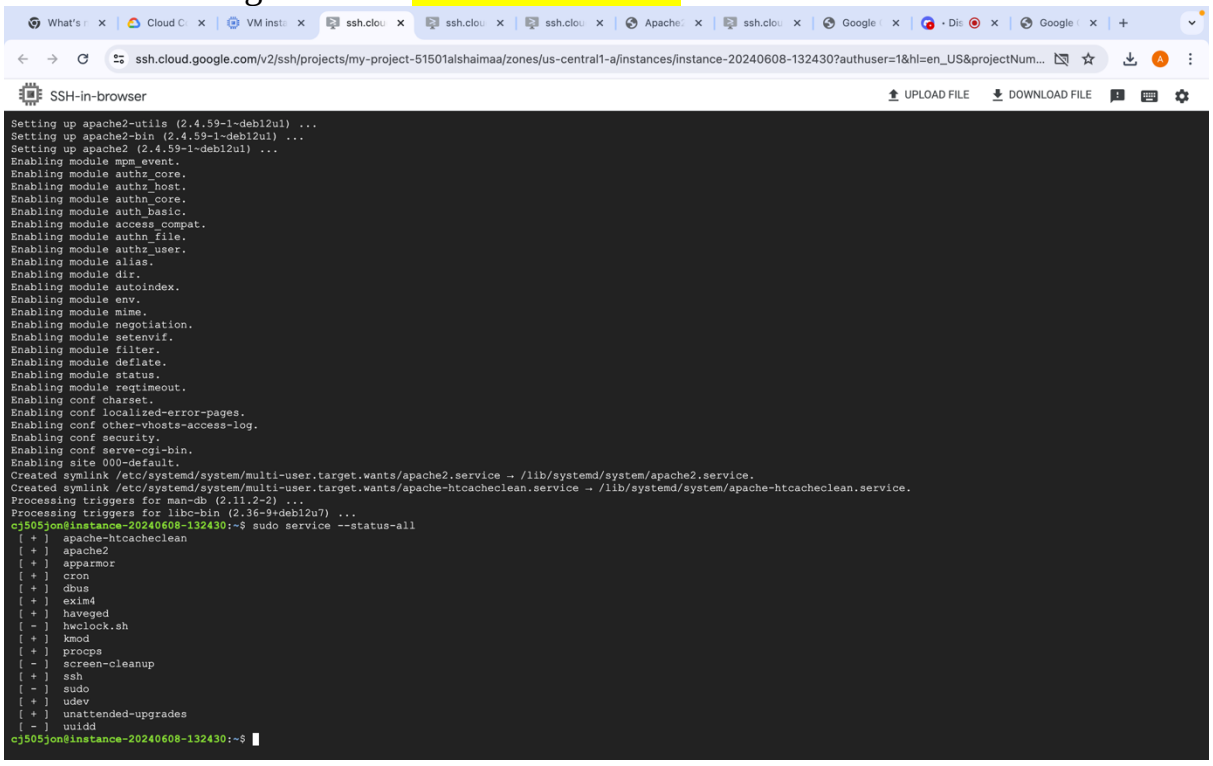
First thing is to update packages by the cmd: apt-get update



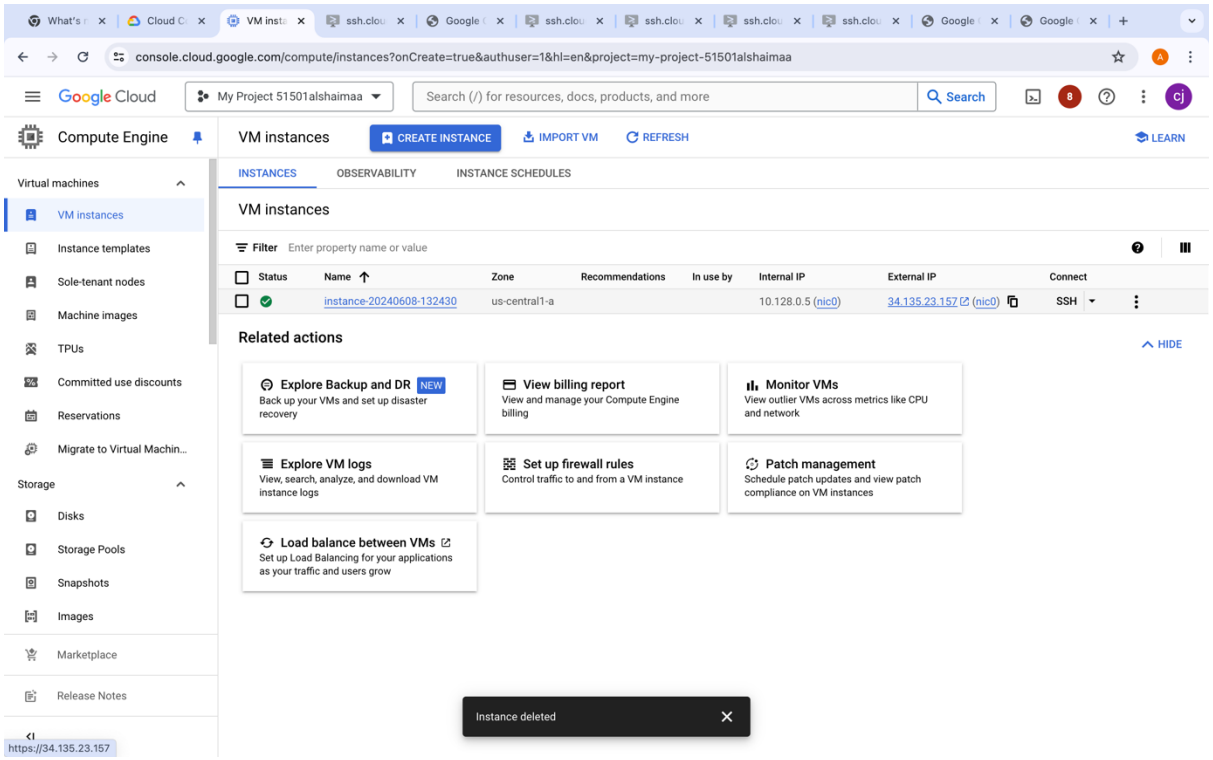
After that install apache2 server the cmd: apt-get install apache2 -y



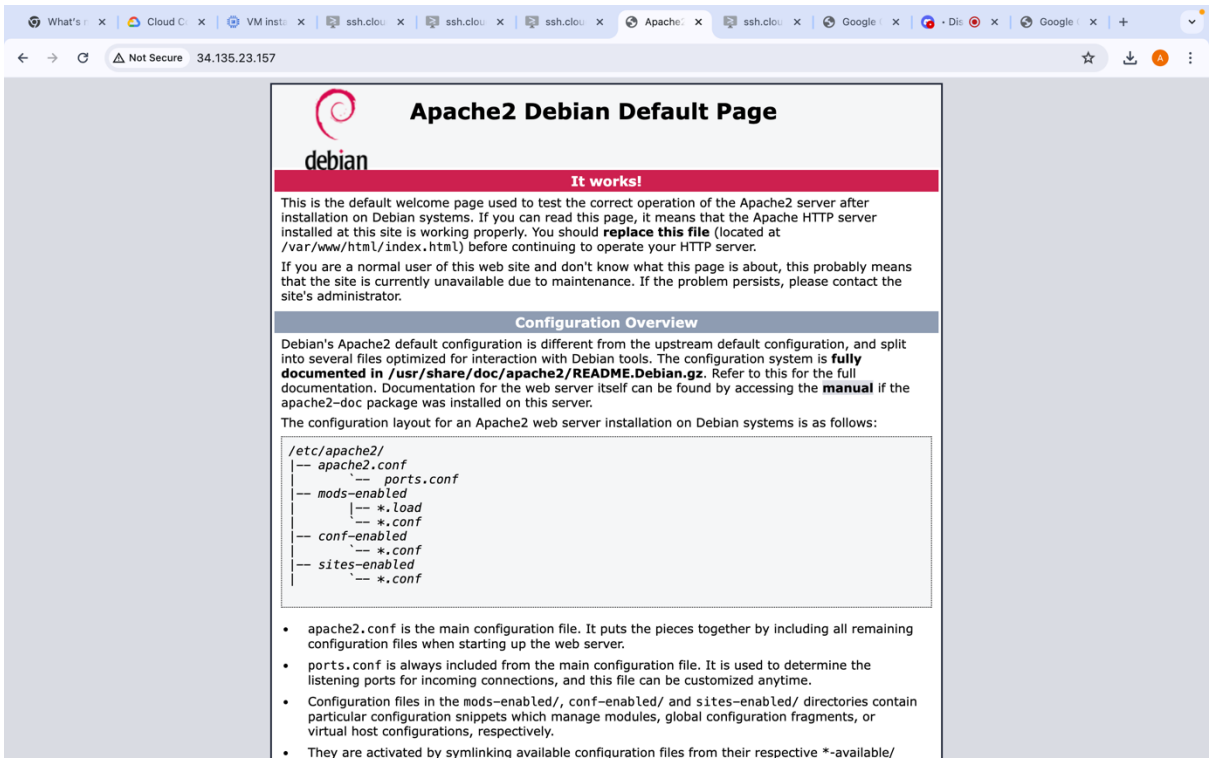
we install apache2 server successfully but how to check if the server is working the cmd: service –status-all



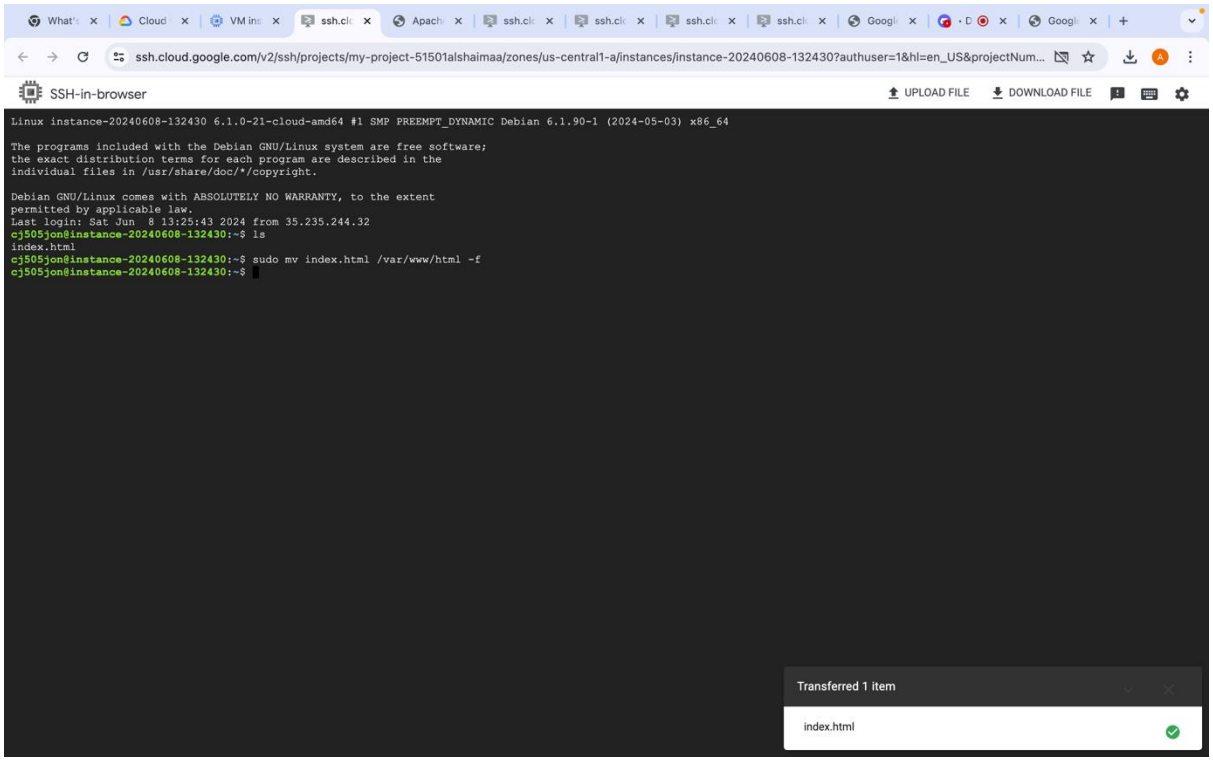
Go to External IP and click on it.

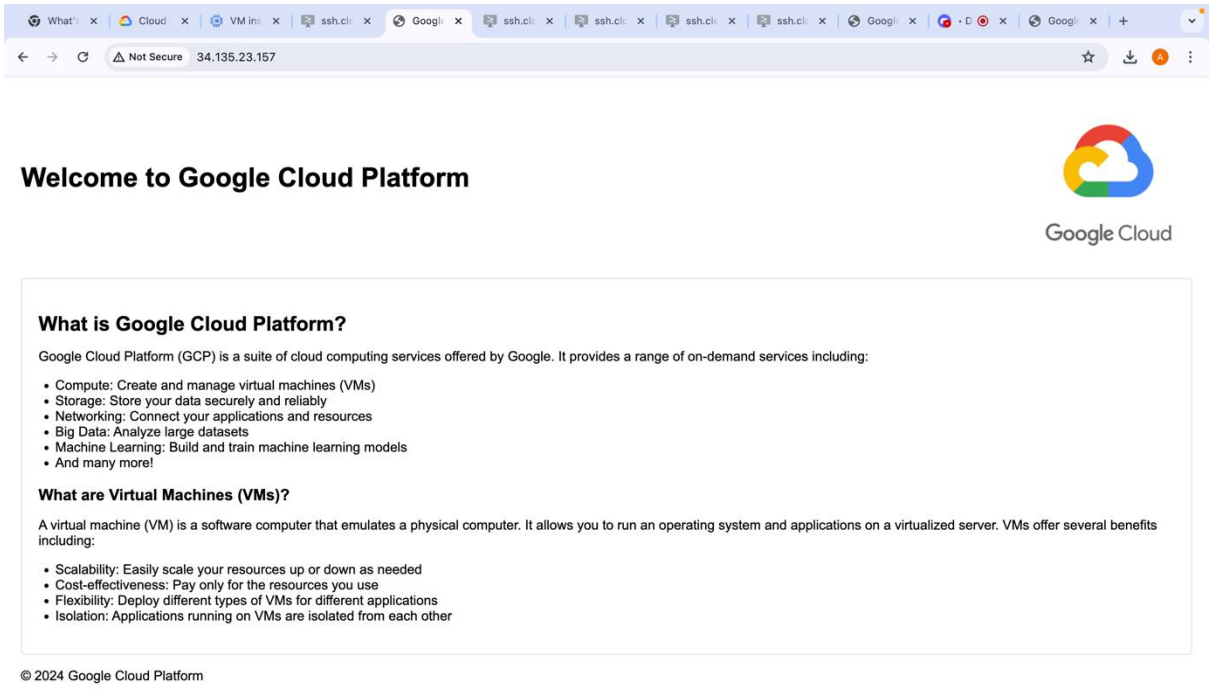


Clicking on External IP will lead us to this page



We upload the index.html and move it to /var/www/html


ssh.cloud.google.com/v2/ssh/projects/my-project-51501alshaimaa/zones/us-central1-a/instances/instance-20240608-132430?authuser=1&hl=en_US&projectNum...
SSH-in-browser
UPLOAD FILE
DOWNLOAD FILE
Linux instance-20240608-132430 6.1.0-21-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.90-1 (2024-05-03) x86_64
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Jun 8 13:25:43 2024 from 35.235.244.32
cj505jon@instance-20240608-132430:~$ ls
index.html
cj505jon@instance-20240608-132430:~$ sudo mv index.html /var/www/html -f
cj505jon@instance-20240608-132430:~$
Transferred 1 item
index.html


Not Secure
34.135.23.157
Welcome to Google Cloud Platform
Google Cloud
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
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