

A guide on how to host an Apache server on google cloud platform

with oddish



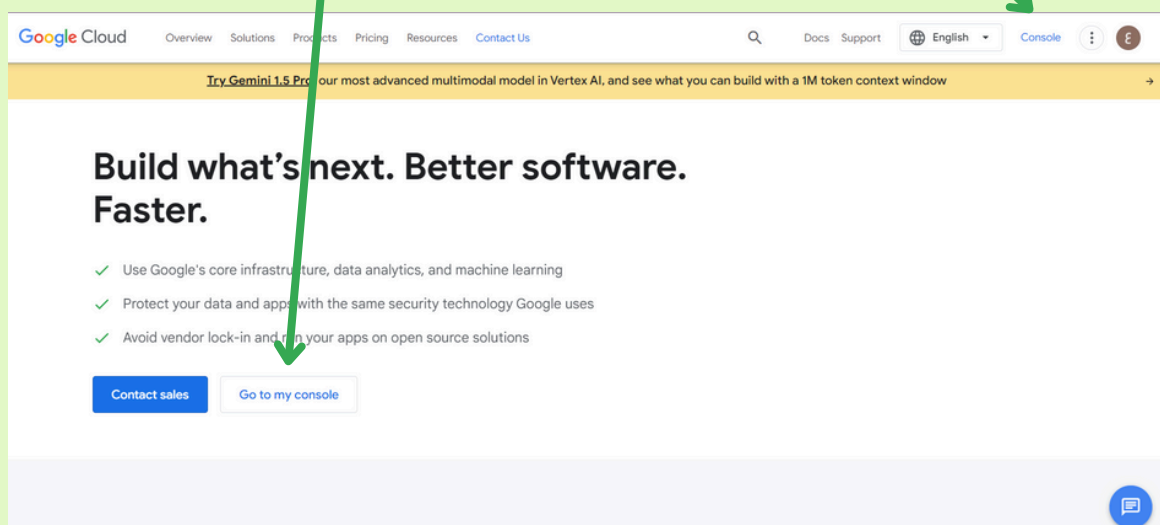
Google Cloud

before you start you need to:

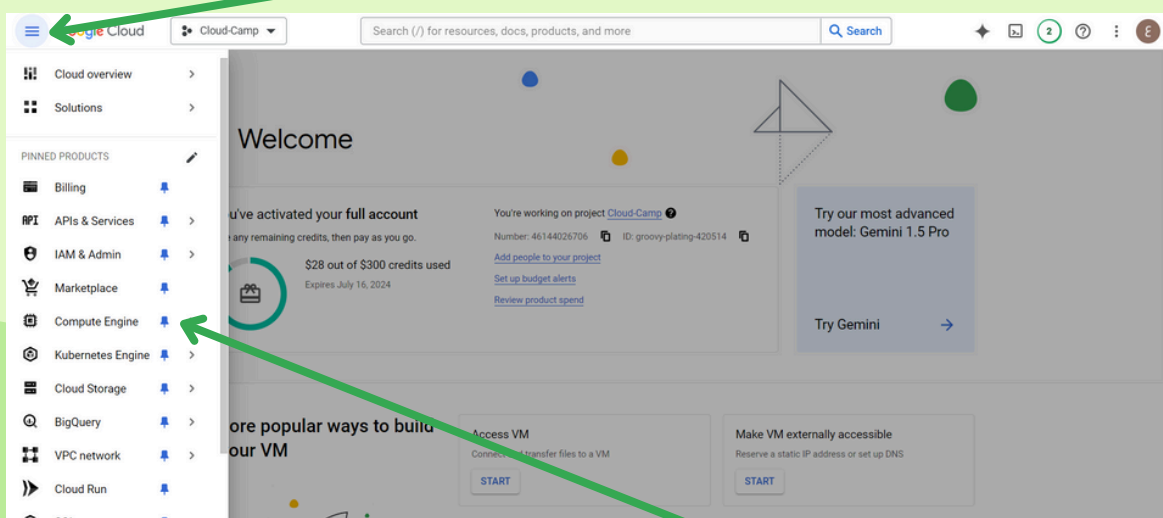
1/create your own GCP account.

2/enable compute engine.

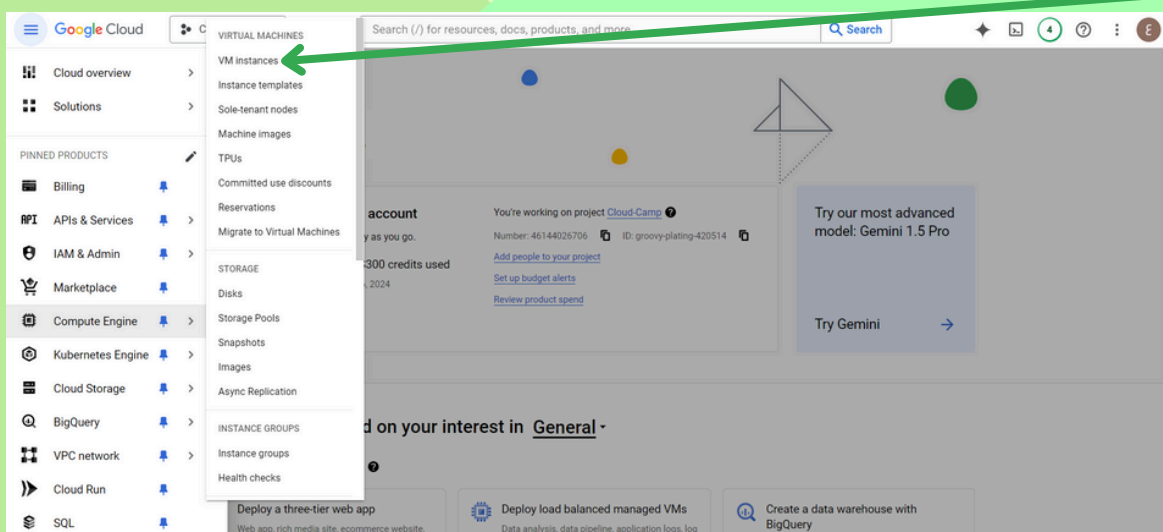
Step 1 / open google cloud platform and go to console by clicking **console** the top right
Or by clicking **Go to my console** .



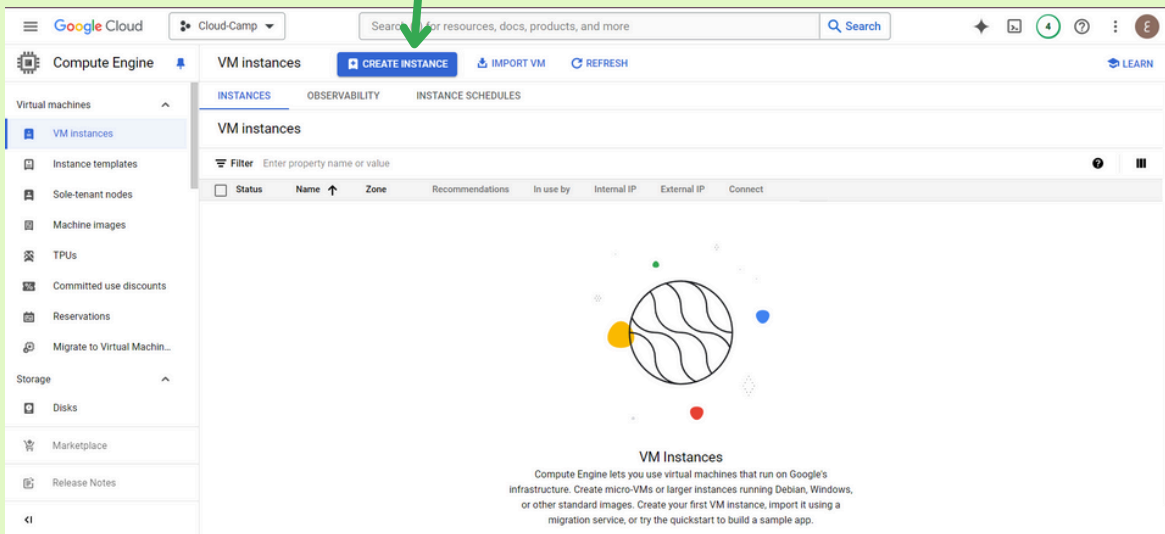
Step 2 / when you go to the console there will be a lot of details , but what you wanna focus on is the menu on the left which can be accessed by **clicking on the three lines** .



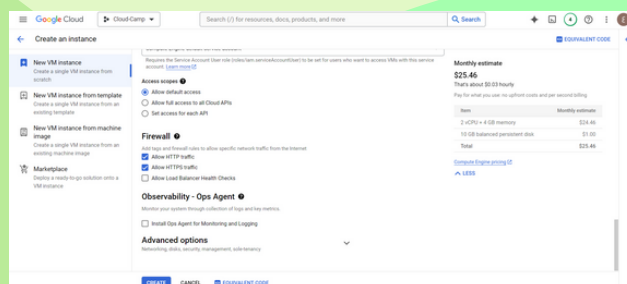
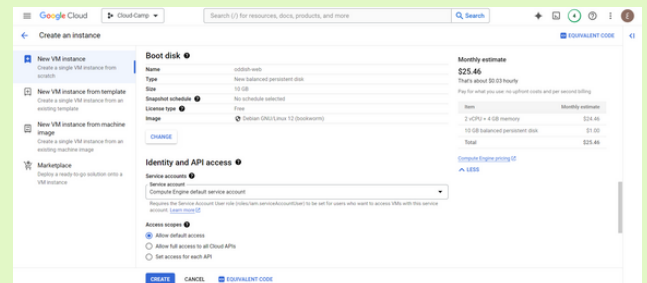
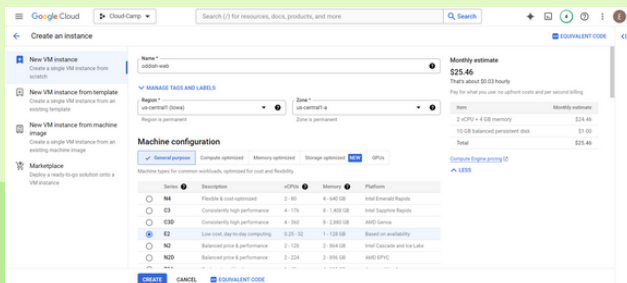
Once you open the menu you will wanna go to **Compute Engine**, and click on **VM instances**



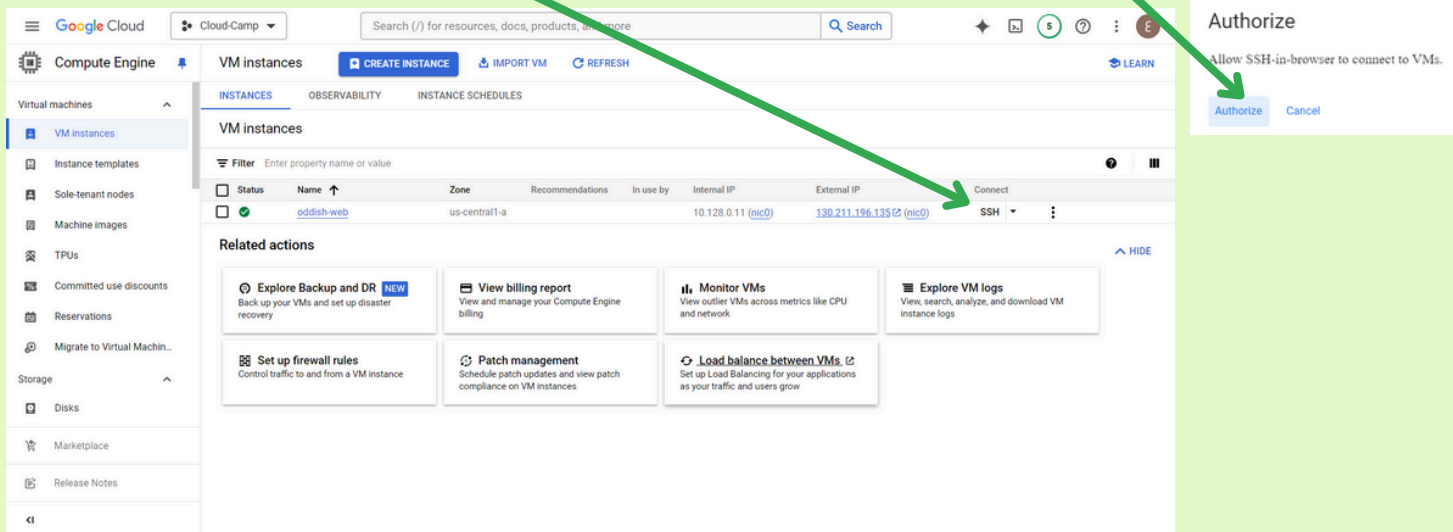
Step3/ now we will wanna creat a virtual mechine(VM) to host the web server on , we will do that by clicking on **CREATE INSTANCE**.



Step4/ this is the part where you create you VM , first give it a **name** , second set region as **us-central1** for the best experience , then , make sure the boot disk is the same as the one below , which is the default setting , **make sure to Allow HTTPS and HTTP**, the press create



Step5/ run the SSH by clicking **SSH** ,NOTE: you might need to click **authorize**



Step5/ now in the new window type **apt-get update** to update packages . note: you might have to add **sudo** before it if you get access denied message

```
ssh.cloud.google.com/v2/ssh/projects/groovy-plating-420514/zones/us-central1-a/instances/oddish-web?authuser=2&hl=en_US&project...
ssh.cloud.google.com/v2/ssh/projects/groovy-plating-420514/zones/us-central1-a/instances/oddish-web?authuser=2&hl=en_US&project...
SSH-in-browser
Linux oddish-web.us-central1-a.c.groovy-plating-420514.internal 6.1.0-20-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.85-1 (2024-04-11) 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.
oddish-web:~$ apt-get update
```

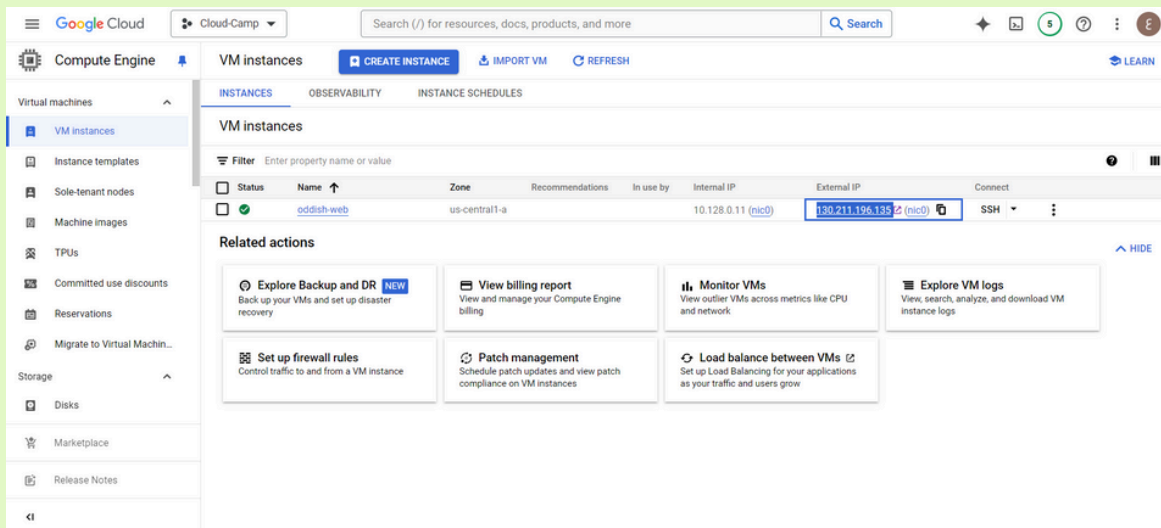
Step6/ after installing the packages you will want to install the apache2 server by typing in **apt-get install apache2 -y** , NOTE: the sudo applies to each step.

```
ssh.cloud.google.com/v2/ssh/projects/groovy-plating-420514/zones/us-central1-a/instances/oddish-web?authuser=2&hl=en_US&project...
ssh.cloud.google.com/v2/ssh/projects/groovy-plating-420514/zones/us-central1-a/instances/oddish-web?authuser=2&hl=en_US&project...
SSH-in-browser
Setting up libaprutil1-ldap:amd64 (1.6.3-1) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1) ...
Setting up apache2-utlile (2.4.59-1-deb12u1) ...
Setting up apache2-bin (2.4.59-1-deb12u1) ...
Setting up apache2 (2.4.59-1-deb12u1) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service -> /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service -> /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libc-bin (2.36-9+deb12u4) ...
oddish-web:~$ apt-get install apache2 -y
```

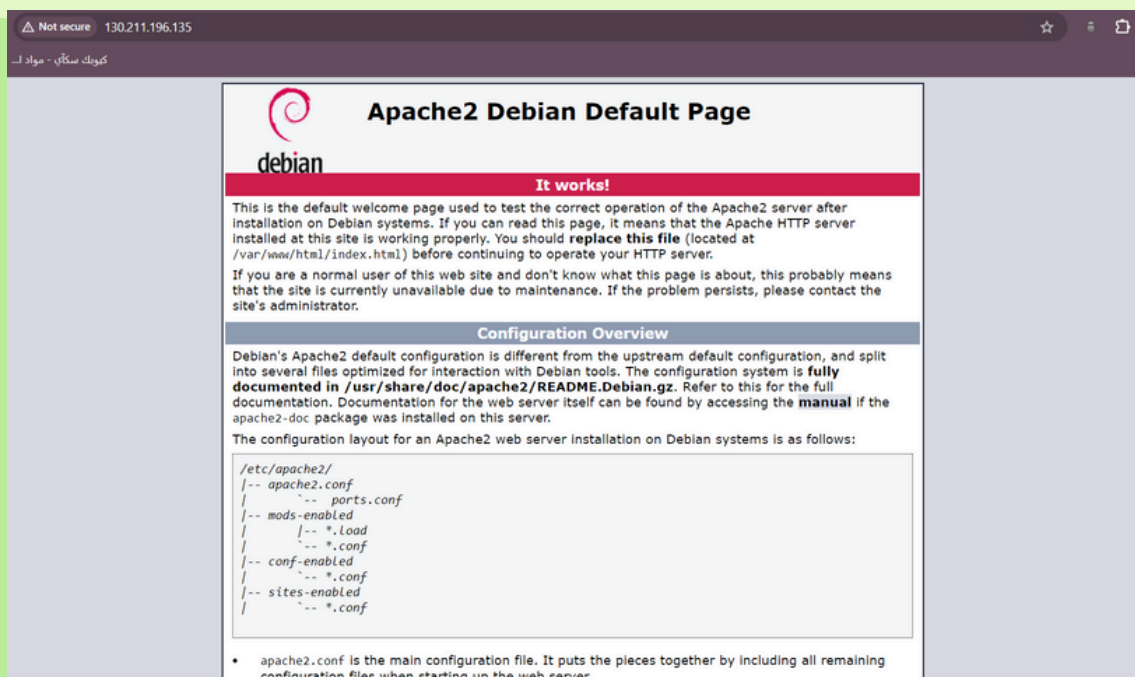
Step7/ check if the server is working by typing **service --status-all**

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

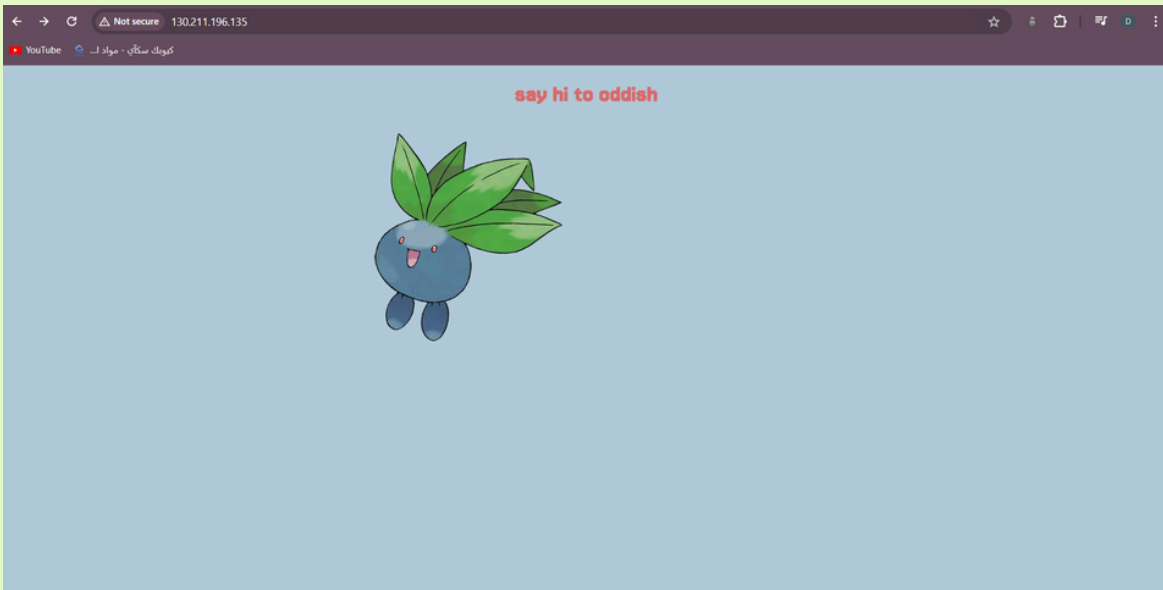
Step8/ go back to the VM instances and copy and paste the **IP**



Step9/ it works !



Step9(optional) // change the index.html in the to your own by replacing the index.html file



that's all !