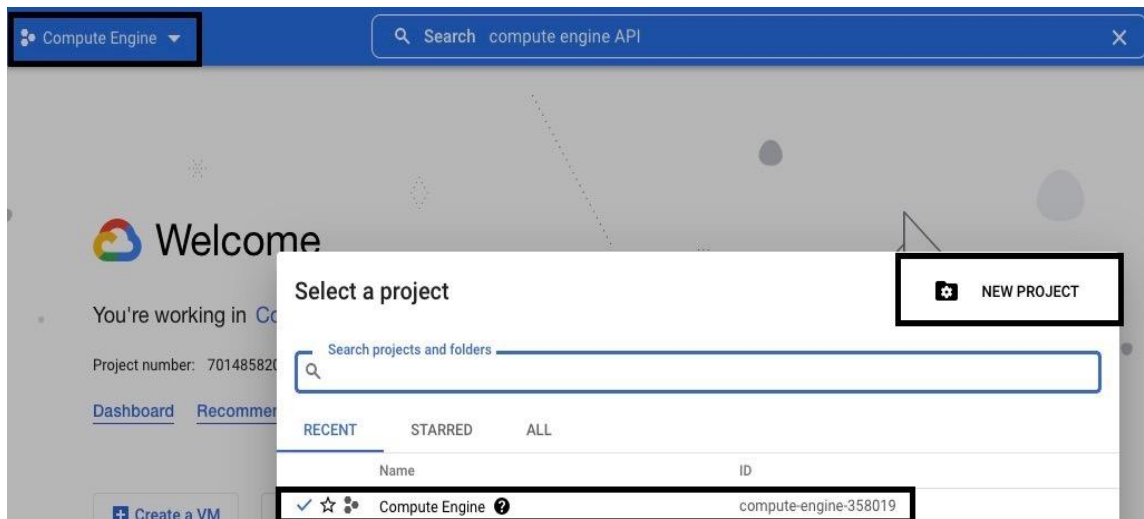
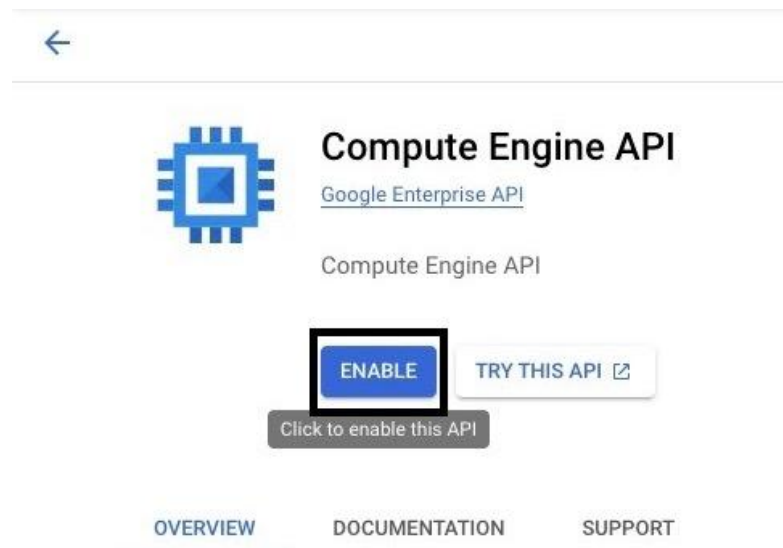


In this guide, I will show you the steps necessary to deploy a Linux VM instance in Compute Engine. Compute Engine is a powerful offering from Google Cloud, which enables you to deploy VM instances for workloads. Instances can be set up as either predefined machines or as custom machine types, depending on your CPU and memory needs.

1. Create a “New Project”, or add a VM instance (“Create a VM”) to an existing project

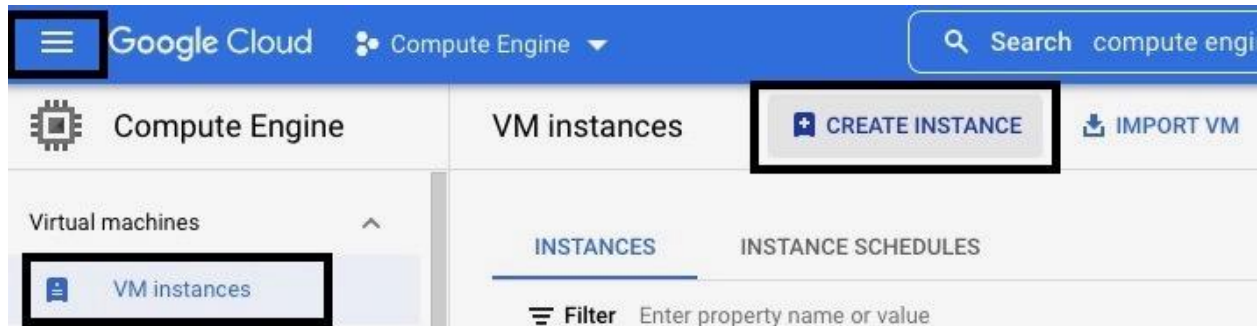


2. Enable the Compute Engine API
 - i. In the Google Cloud search bar, type and click on- “Compute Engine API”
 - ii. Select “Enable”



3. “Create instance”

- i. In the Google Cloud console navigation menu, select “Compute Engine”; “VM Instances”; “Create instance”



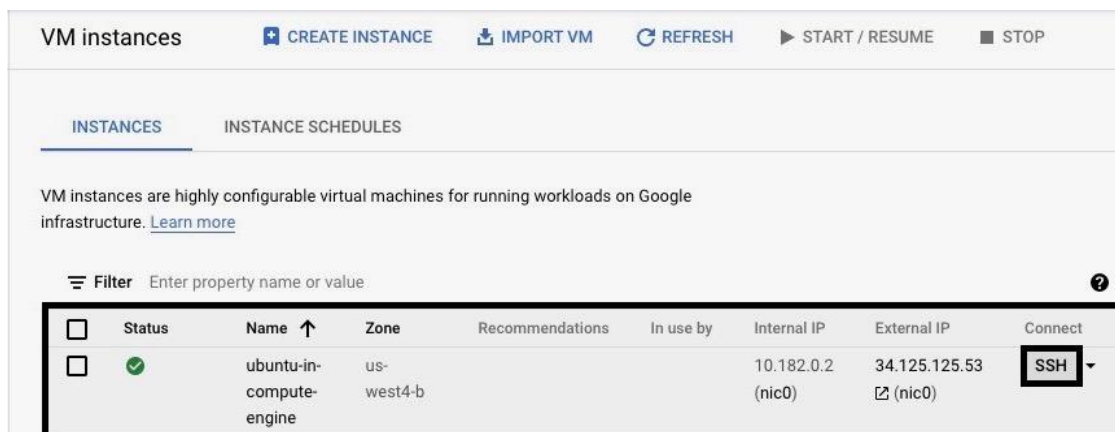
1. Define the instance name, and operating system
 - a. Type in a name for the instance, besides “name”
 - b. In “boot disk” section, select “change”
 - i. Define the “operating system” as “Ubuntu”
 - ii. Define the “version” as “Ubuntu 20.04 LTS”
 - iii. Click “Select”

2. In “Firewall” section, select box next to “Allow HTTP traffic”

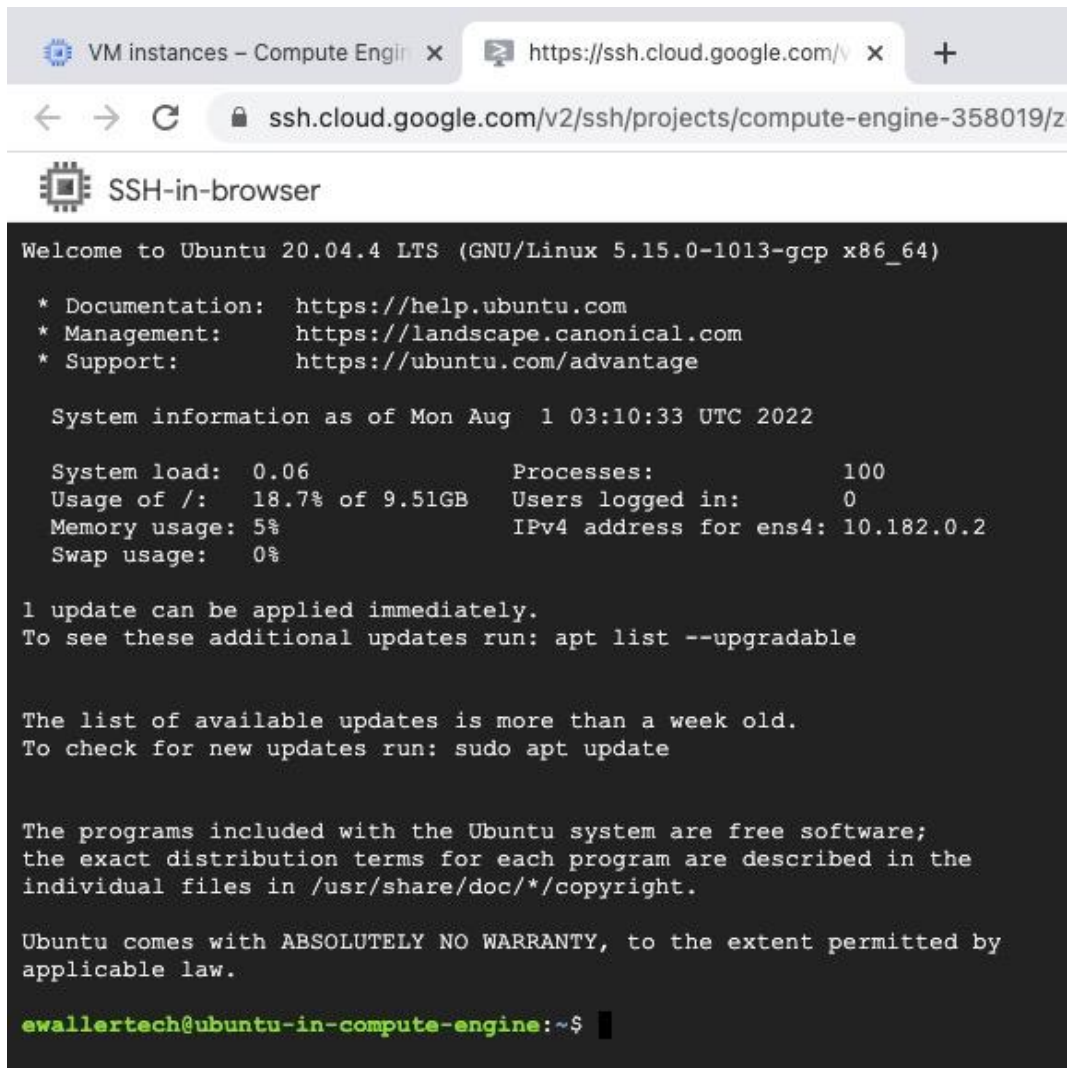
- ii. Click “Create”

4. Check the “VM instances” page to see the newly created instance located in the column

- i. Click “SSH”, under the “Connect” column



5. SSH successfully connects to Ubuntu when command dialog shows up in the VM terminal window.



The screenshot shows a web browser window with two tabs. The first tab is titled "VM instances - Compute Engine" and the second tab is titled "https://ssh.cloud.google.com/v2/ssh/projects/compute-engine-358019/z". The address bar shows the URL "ssh.cloud.google.com/v2/ssh/projects/compute-engine-358019/z". Below the address bar, there is a header "SSH-in-browser" with a gear icon. The main content area is a terminal window with a black background and white text. The terminal output is as follows:

```
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.15.0-1013-gcp x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Mon Aug  1 03:10:33 UTC 2022

System load:  0.06               Processes:            100
Usage of /:   18.7% of 9.51GB    Users logged in:     0
Memory usage: 5%                IPv4 address for ens4: 10.182.0.2
Swap usage:   0%

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

ewallertech@ubuntu-in-compute-engine:~$
```