

Deep Learning Bootcamp

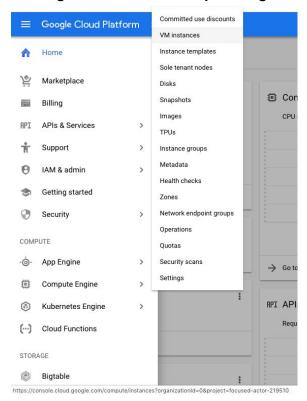
Guide to create a Google Cloud Platform instance

Creating an instance	2
Setting the firewall rule	7
Starting the instance terminal	9
Stonning the instance	9

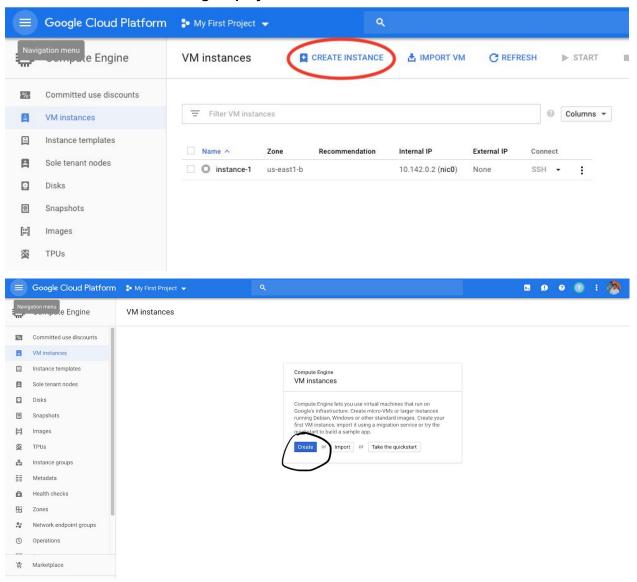
Creating an instance

Once you have signed up for Google Cloud Platform and created your first project, follow the steps given below to start an instance which will be required for Deep Learning Bootcamp.

1. Navigate to Menu >> Compute Engine >> VM Instances as shown in the image below

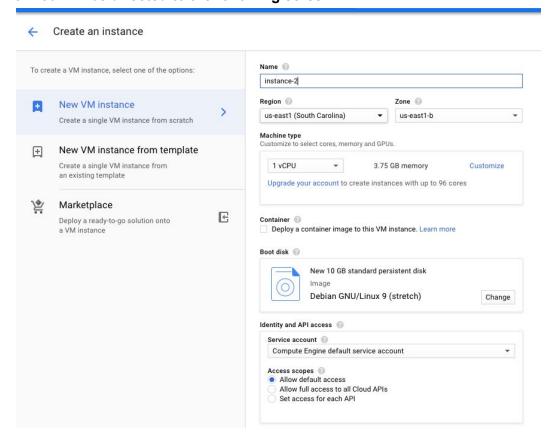


2. Post which you will see a screen similar to the following. Over here I already have an instance made which is being displayed. Click on the create instance button as shown



Or you could see the above screen. You can create from here also.

3. You will be directed to the following screen



On this screen, select the options as follows

Name: name the instance as per your liking

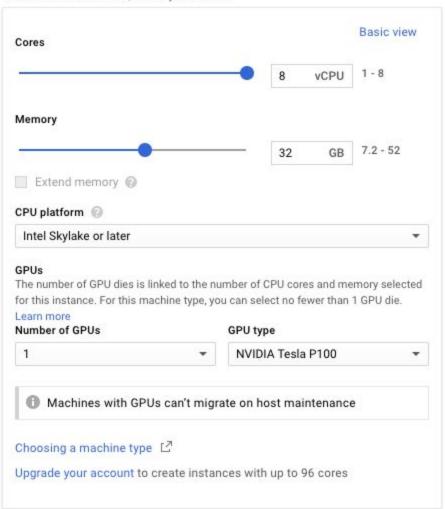
Region: asia-east1 (Taiwan)

• Zone: asia-east1-a

Machine type: click on customize and configure it as shown in the following screen

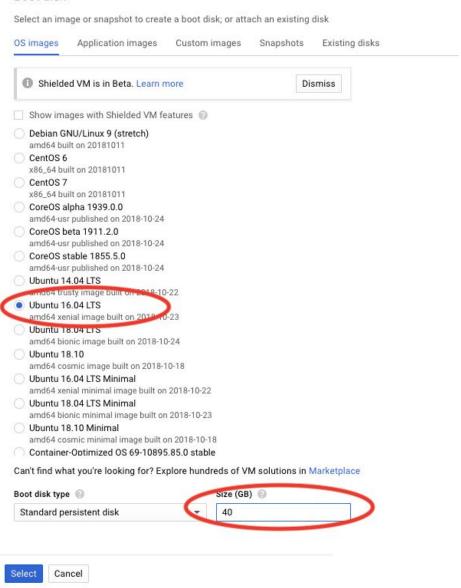
Machine type

Customize to select cores, memory and GPUs.

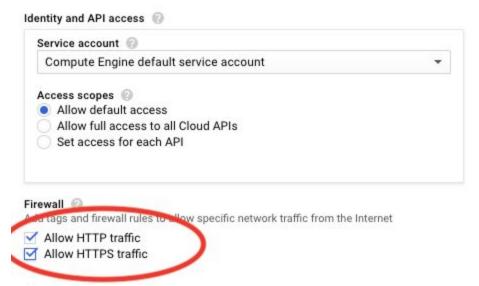


 Boot Disk: click on change and configure to Ubuntu 16.04 LTS with disk space as 40GB. The configuration should look as follows

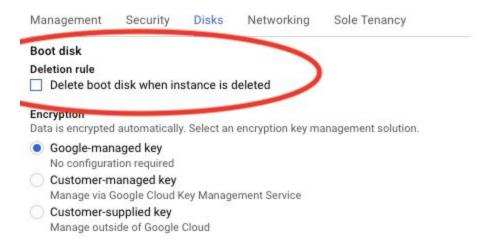
Boot disk



Firewall: Check both the options as follows



 Click on management and security, navigate to disks and uncheck the option Delete boot disk when instance is deleted



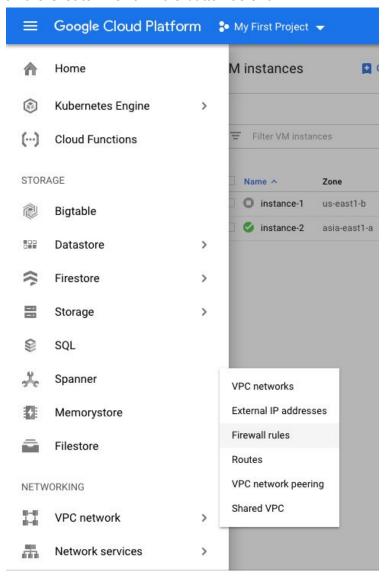
• Click on the **Create** button and your it would take a few minutes to start your instance. When you instance is ready it would show a green tick beside the same as shown below

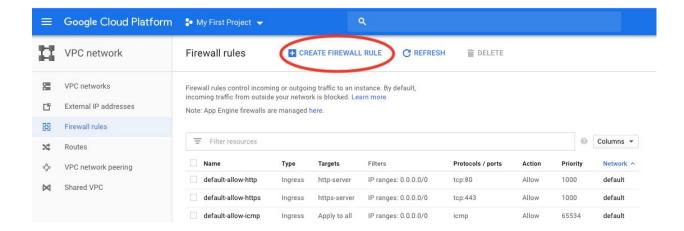


Setting the firewall rule

Now that your instance is created we need to set up a firewall rule to open port 8888 so that we can access the Jupyter Notebook from the same.

Navigate to menu >> VPC network >> Firewall rules. You should see a screen as follows. Click on the Create Firewall Rule button as shown





On the following screen, you need to change the following 4 settings

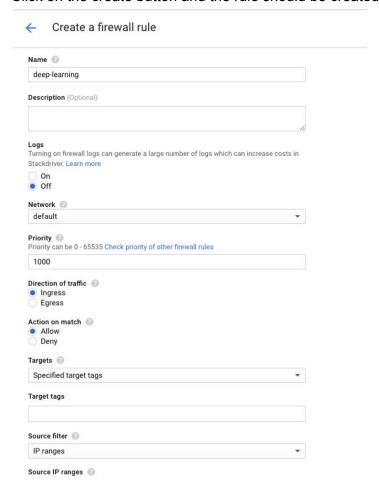
Name: deep-learning

Source IP ranges: 0.0.0.0/0

Target tags: deep

Protocols and ports: Allow all

Click on the create button and the rule should be created



Starting the instance terminal

Now you are all set to start the terminal and start working. Navigate to VM instances as shown in the first part, where your instance is up and running

Click on the SSH button under Connect column for the running instance as shows below. A new tab with the terminal shall open up for you



You can start working on the terminal now.

Stopping the instance

This is one of the most important steps. **Never forget to stop your instance once the work is done as a running instance will incur charges on your account.**

The steps to stop the instance are

- Exit the terminal
- Click on the menu of running instance and select stop



Once you are finished working with the instance completely kindly delete the instance and you might still be charged for a stopped instance for disk space, etc.