**DataSet:**

Data is available at below location.

<http://dx.doi.org/10.6084/m9.figshare.1512427>

There are 4 zip files:

brainTumorDataPublic\_1-766

brainTumorDataPublic\_767-1532

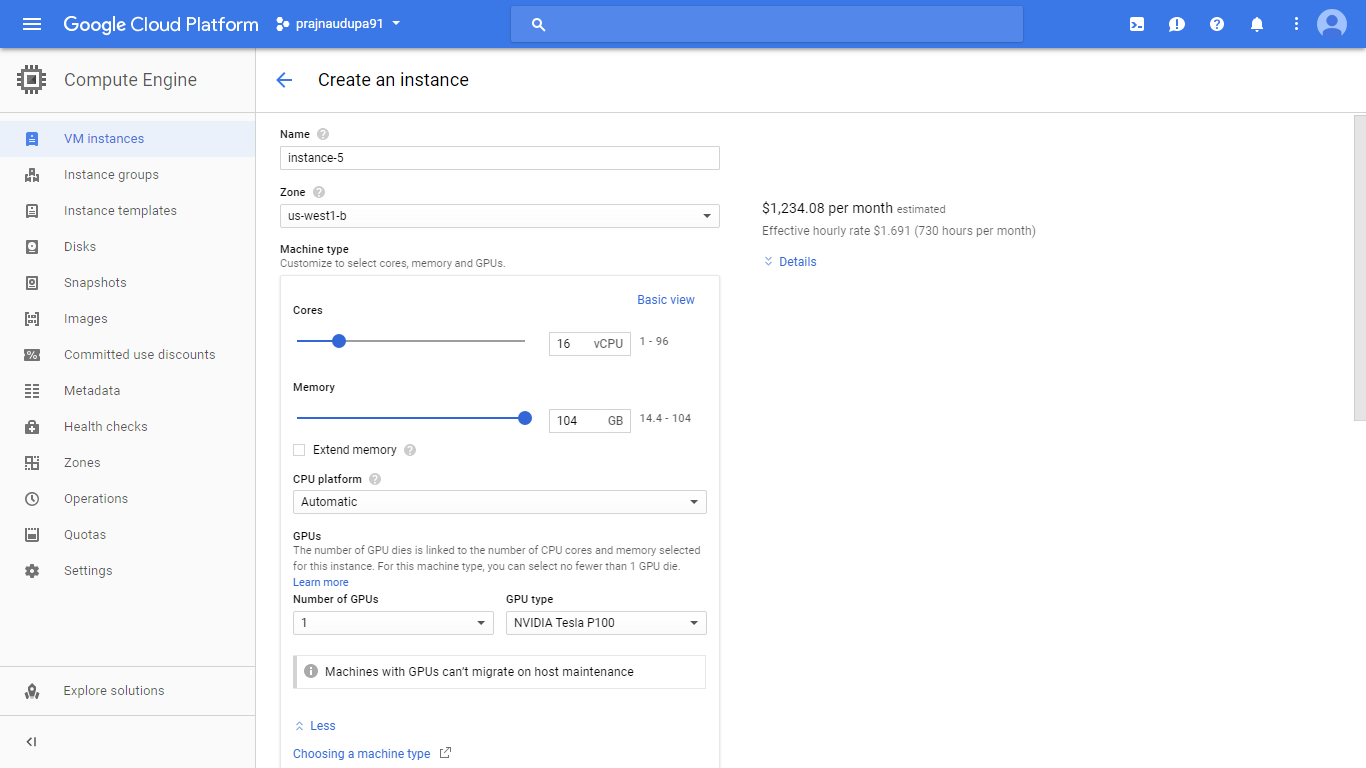
brainTumorDataPublic\_1533-2298

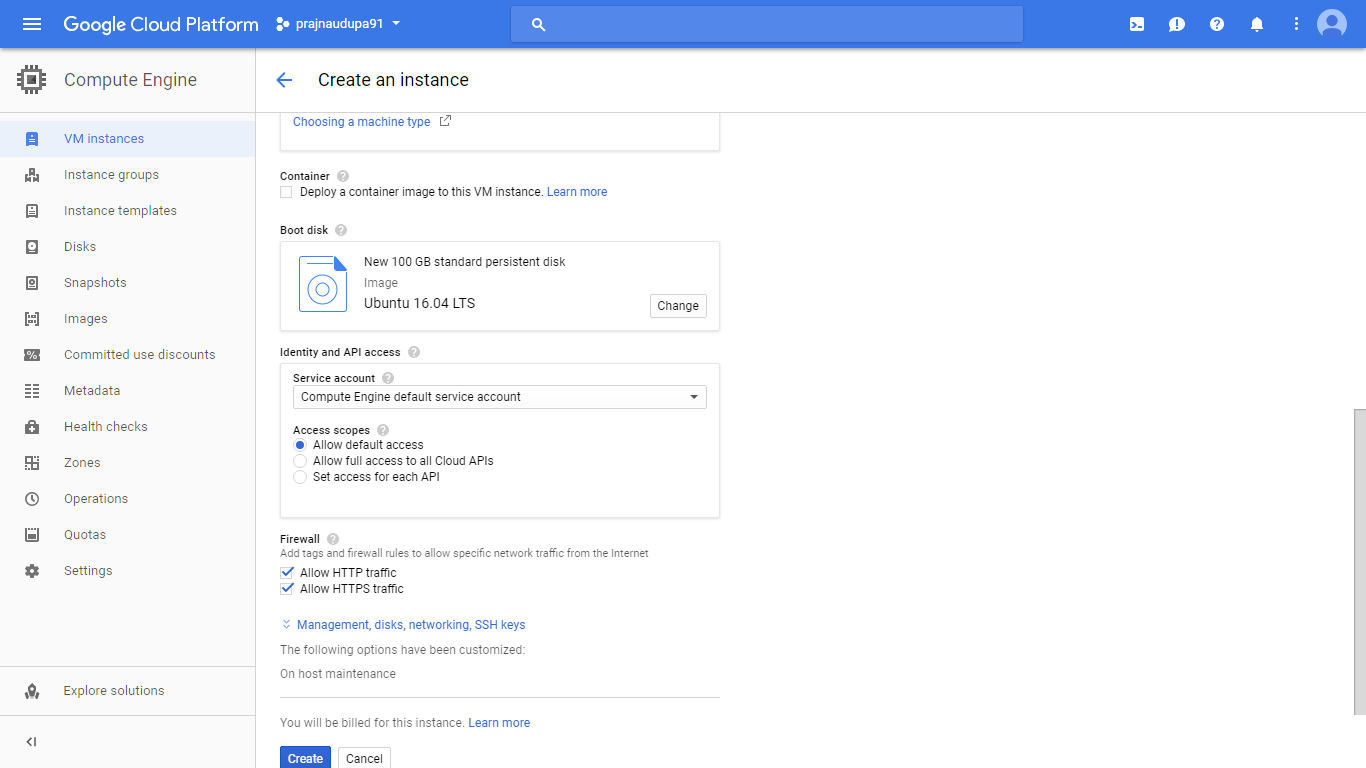
brainTumorDataPublic\_2299-3064

The NoteBooks expects above folders(post unzip) to be in the same directory as that of notebook.

**With Ubuntu 16.04**

**Following configuration was used in Google Cloud:**

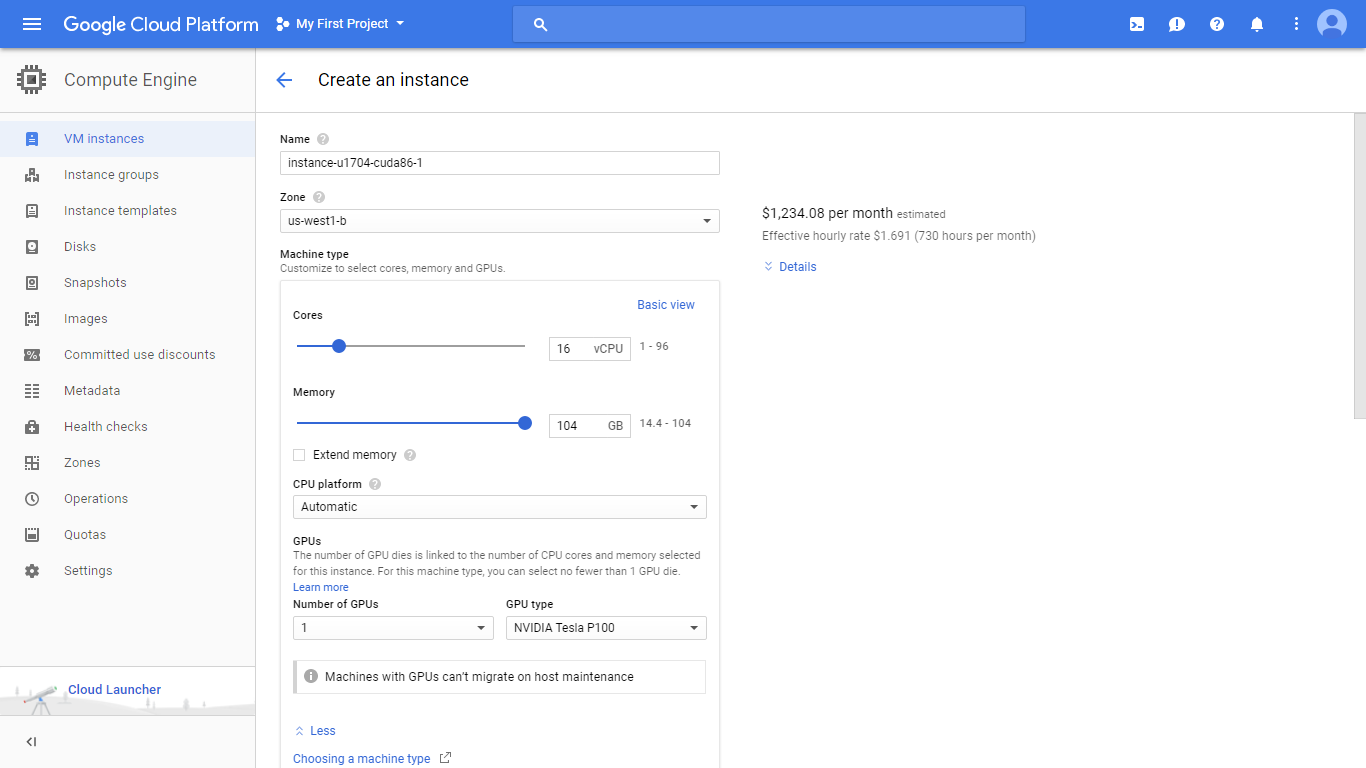


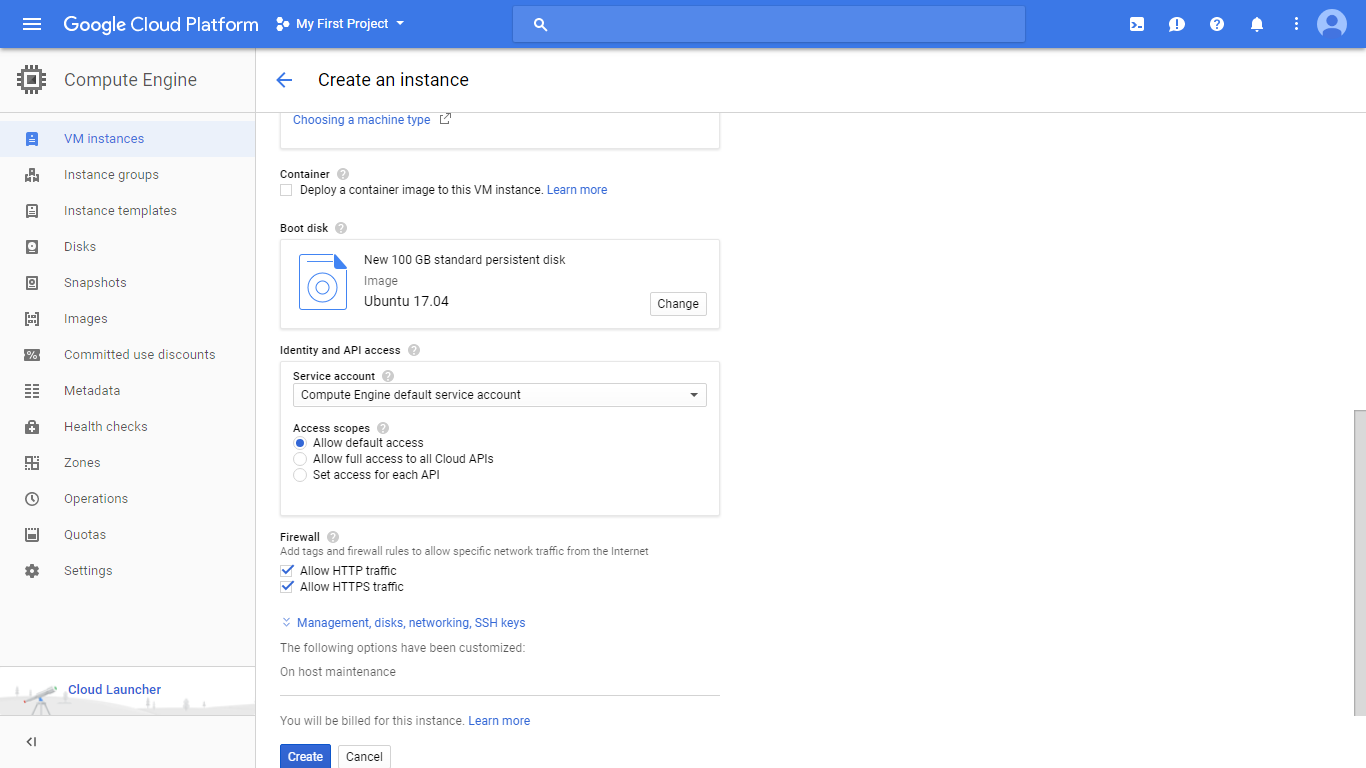


Use link below to install cuda, cudaNN, and to build tensorflow-gpu :

http://www.python36.com/install-tensorflow141-gpu/

**With Ubuntu 17.04**





Follow the instruction below to run the cuda and cudaNN for tensorflow-gpu.

<http://simonboehm.com/tech/2017/06/23/installingTensorFlow.html>

After cloud instance is created and running ; launch it and install Anaconda, tensorflow and other import packages. Download the dataset and unzip as mentioned above(initially).

**Command to run Jupyter Notebook in Google Cloud:**

1. Below commands has to be entered in Google Cloud SDK Shell prompt :

gcloud compute ssh <userid>@instance-3 --project "<projectid>" --zone us-central1-f

1. Above command would launch a putty session (install putty prior to it). Issue below commands in the putty session:

PATH=/home/<userid>/anaconda3/bin:$PATH

jupyter notebook --ip=0.0.0.0 --port=8888 --no-browser

Note the token value:

http://0.0.0.0:8888/?token=**c173462512993b4ff1c498b855cf531d05f9547dc432eff8**

1. Launch another Google Cloud SDK Shell prompt and fire below command:

gcloud compute ssh <userid>@instance-3 --project "<projectid>" --zone us-central1-f --ssh-flag="-L" --ssh-flag="2222:localhost:8888"

1. Now in chrome/ie address bar enter:

http://localhost:2222/tree

1. This would ask for token value; enter the above noted(only in bold) in the box and hit enter. You are logged into the Notebook :)