

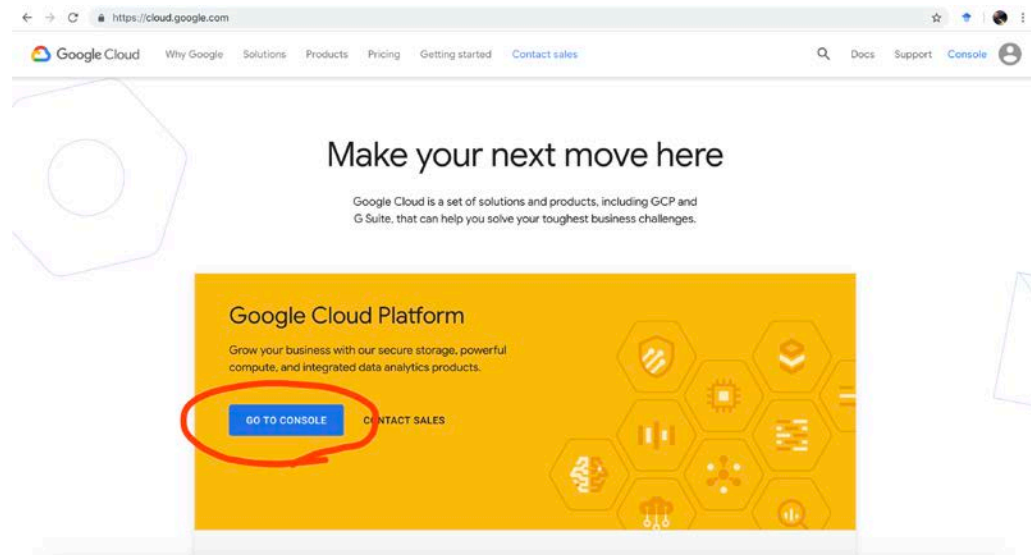
Google Cloud Platform Tutorial

Written by Cong Gao, Jan 2019

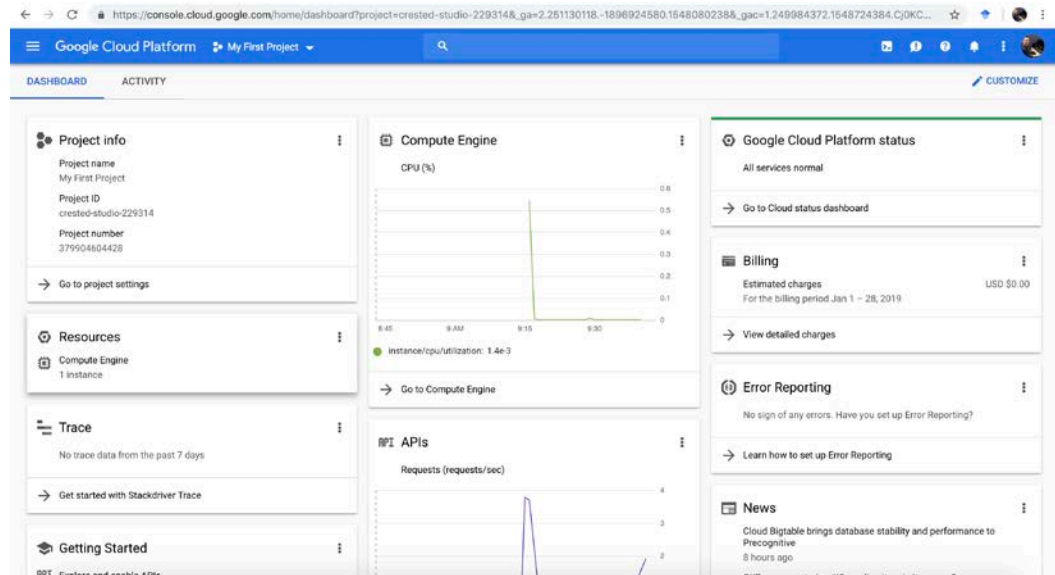
WARNING: Remember to stop your machine every time you finish your work, but do not delete it. A constant running may rush out your credit and a delete will clear out your data. Keep this in mind!

1. Redeem Coupon

- Use this URL: [Student Coupon Retrieval Link](#) to request a Google Cloud Platform Coupon. An email will be sent to you to confirm a name and email address, which need to match the domain(@jhu.edu). Coupon is available until 5/28/2019. Each unique email address can only request ONE code.
- After you receive the coupon code, something like: 4YXE-VWF4-L1RB-LGW7 (don't use this!), please visit <https://console.cloud.google.com/education> to redeem your coupons.
- Then, you should be able to create a google cloud account using your google account.

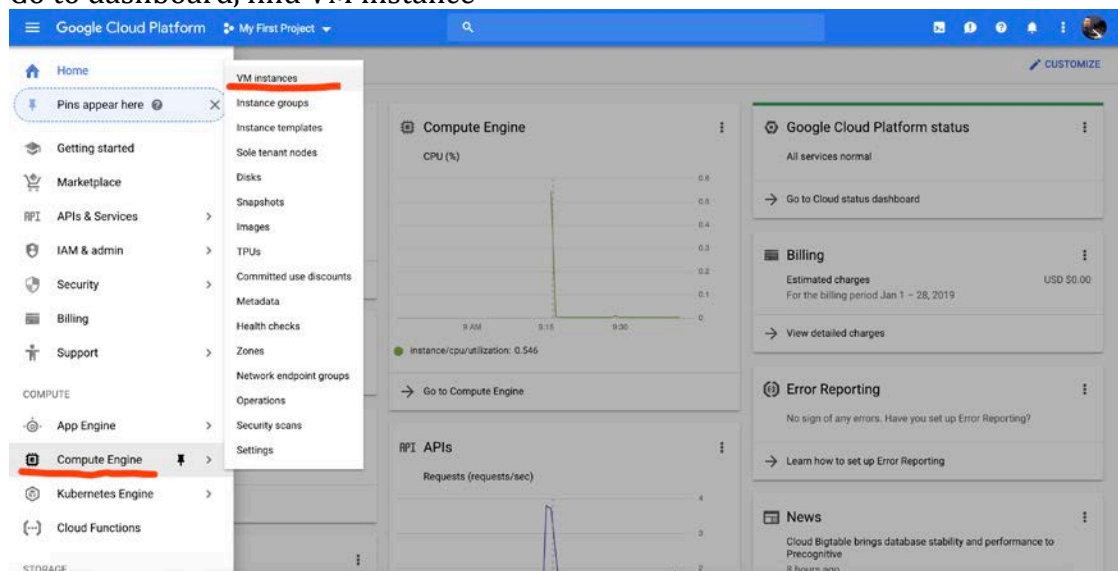


Go to console, and you should see a page like this:

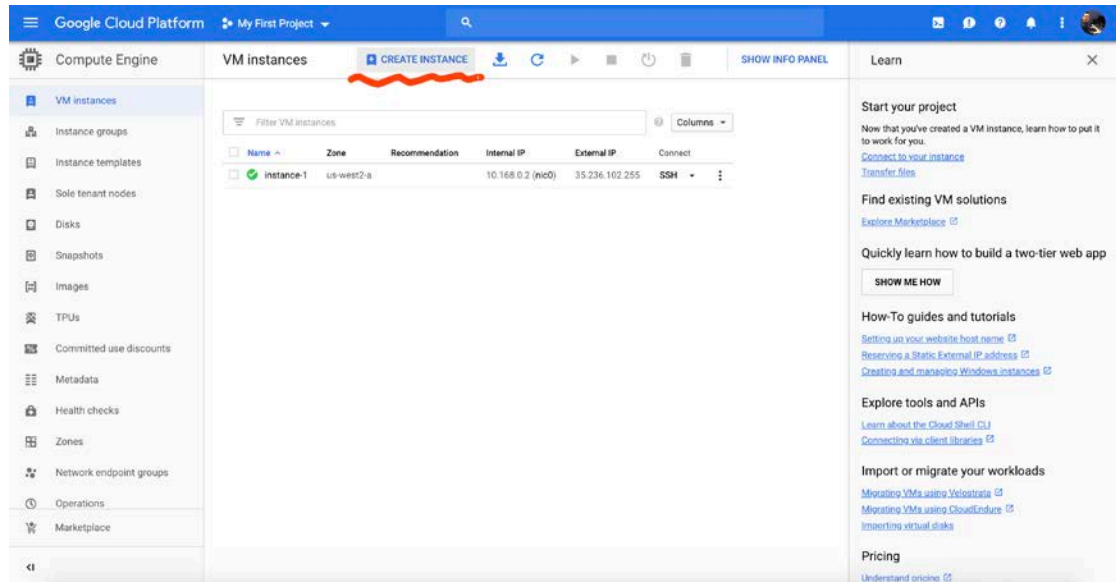


2. Create an instance

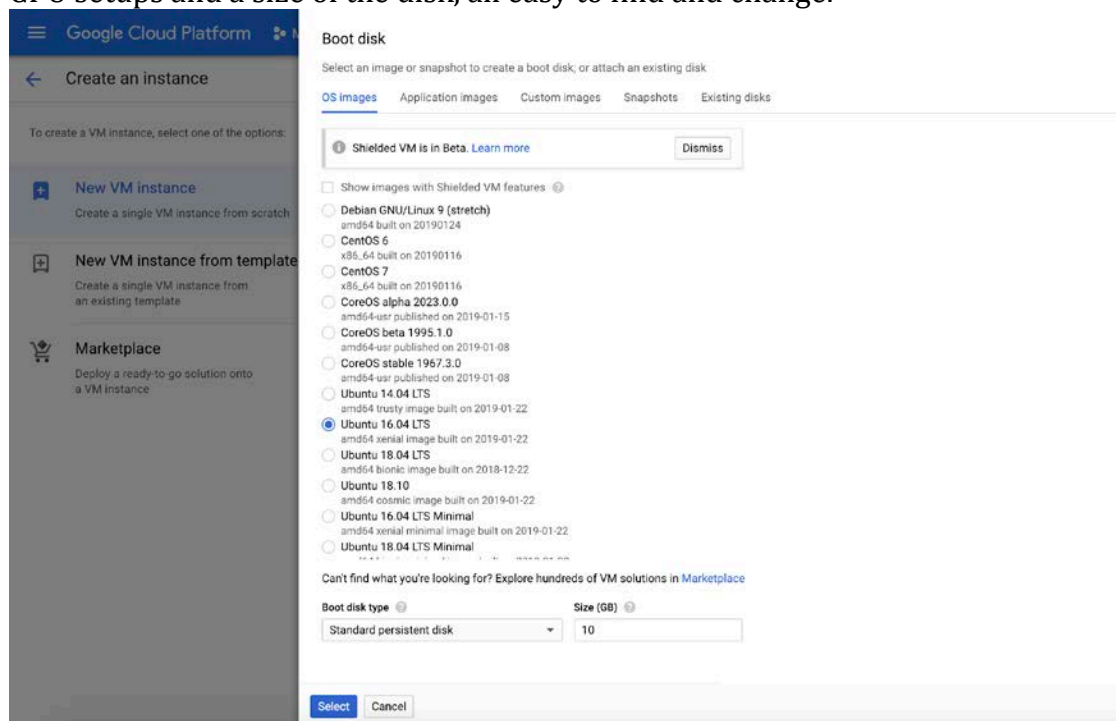
- Go to dashboard, find VM instance



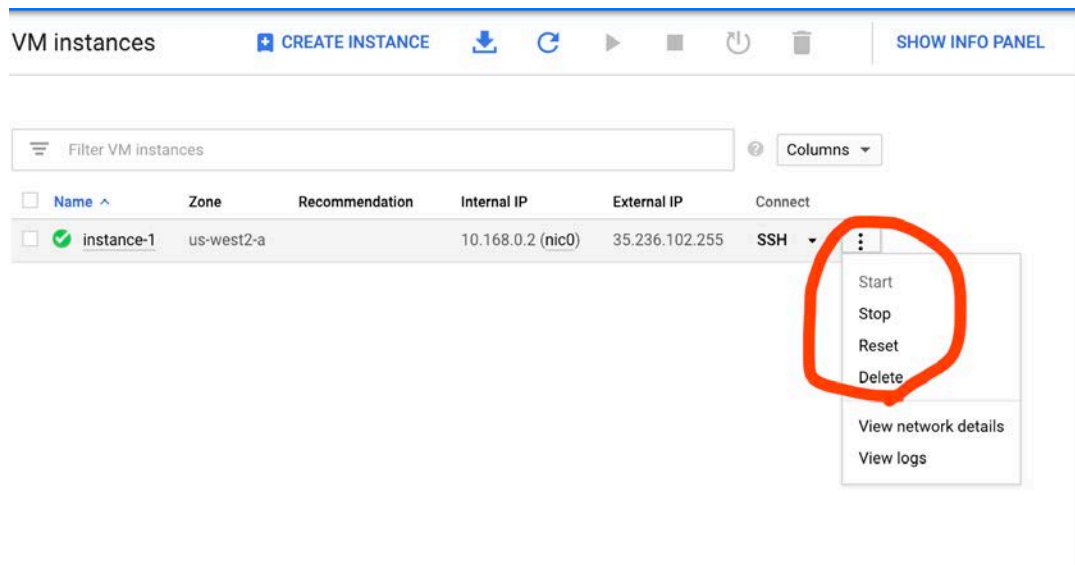
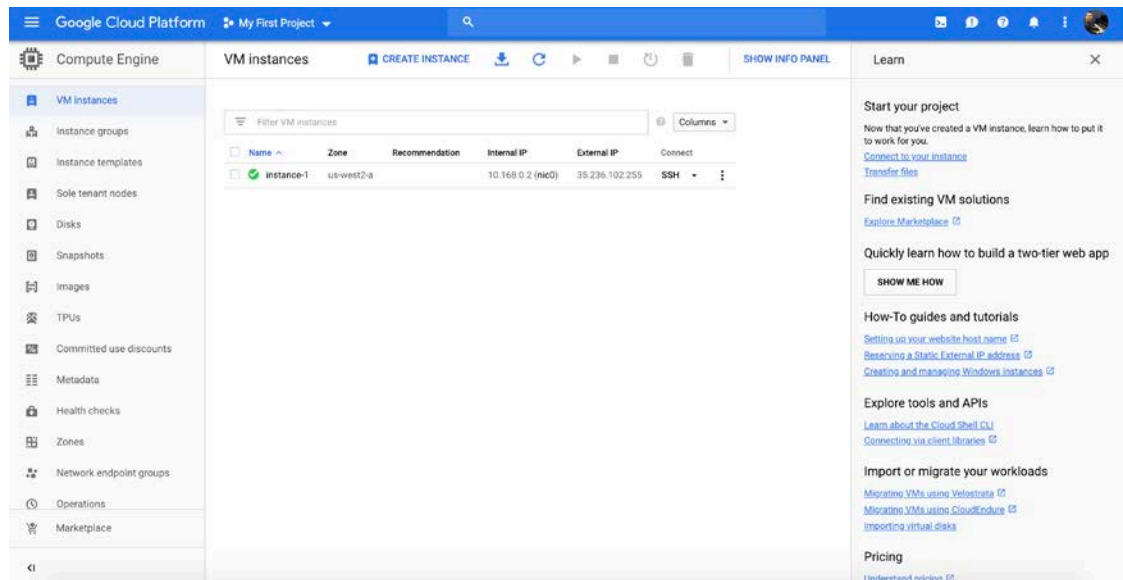
- Create an instance



- Enter the name, choose region and zone, which look a bit different in prices, not too much. Change the boot disk. Recommend Ubuntu 16.04 LTS. Select CPU and GPU setups and a size of the disk, all easy to find and change.

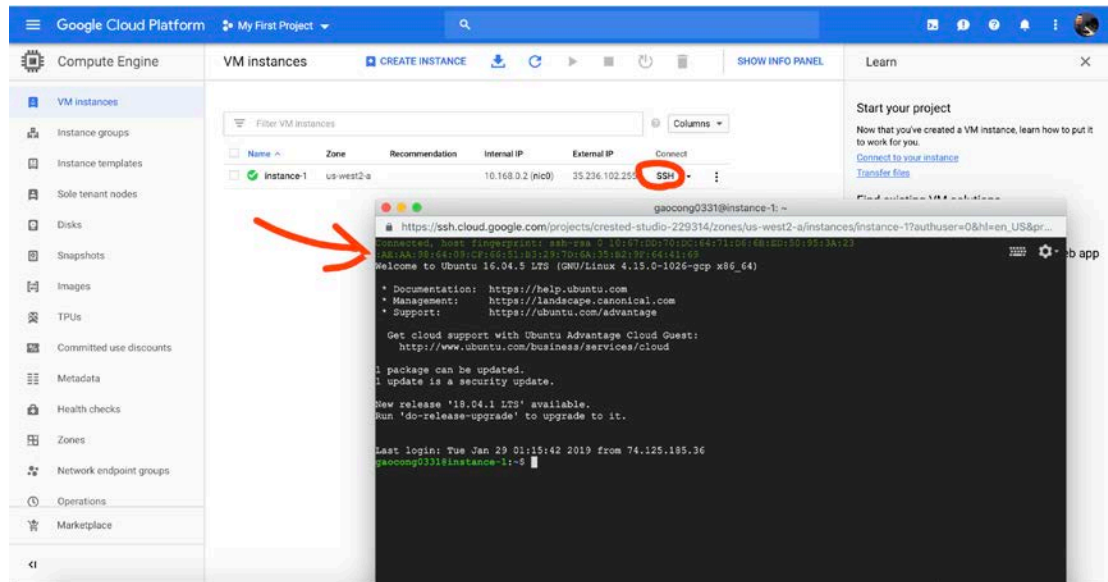


- Create and you should see a page like:

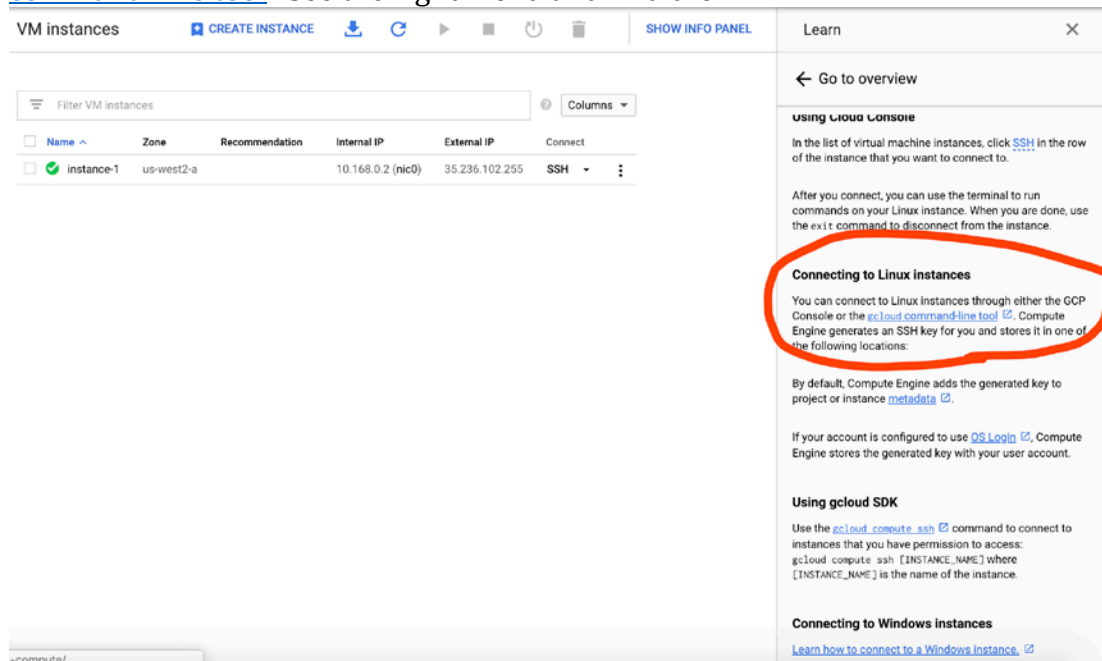


3. Log in to instance

- Use online SSH:
Click on this 'SSH' button, and it will guide you to a browser which ssh- connects to your instance, and you can do your work online.



- Use local machine ssh:
People who prefer to connect through your local terminal need to install '[gcloud command-line tool](#)'. See the right menu and find the link.



Overall, it requires an install of a [google cloud SDK](#). After this, start your terminal, and type:

```
gcloud auth login
gcloud config set project project_ID → can be found on the instance page
```

And you should get connected using

```
gcloud compute ssh instance_name --zone zone_name
```

Detailed instructions can be found through the [gcloud-compute](#) website.