Google Cloud Platform

Using the instructions below one can establish an account on the Google Cloud. Once established, you will be able to perform whatever exercise is called for this semester

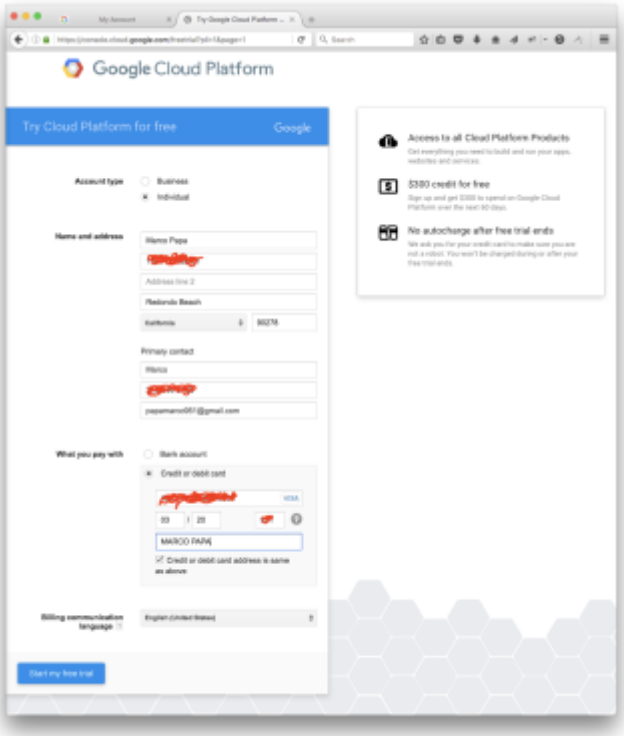
Signing up for the Google Cloud Platform

To sign up for the Free Trial, with a $300 credit, you need a credit or debit card. Unfortunately, an American Express or other pre-paid Gift card will not work with Google Cloud.

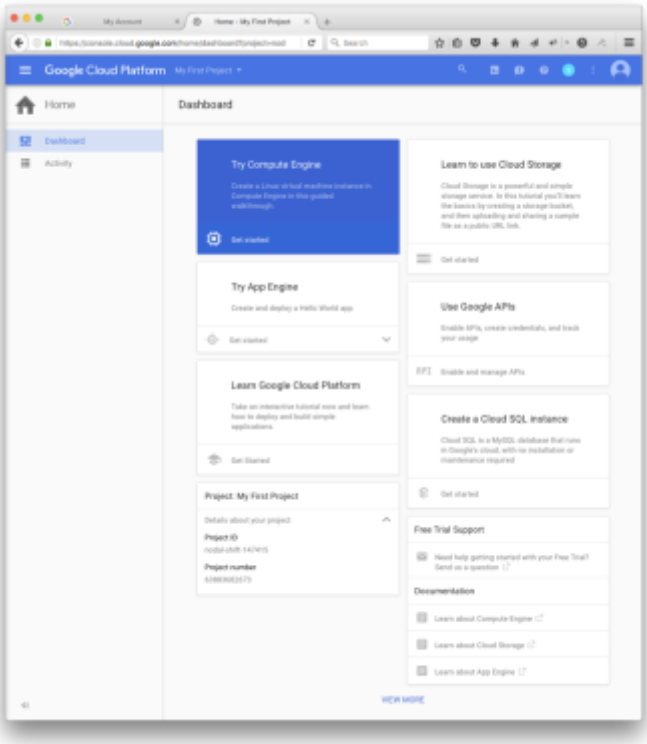
To sign up go to:

https://console.cloud.google.com/freetrial?pli=1&page=0

On the webpage entitled “Try Cloud Platform for free”, select that you “agree to use the services” and click on **Agree and continue**.

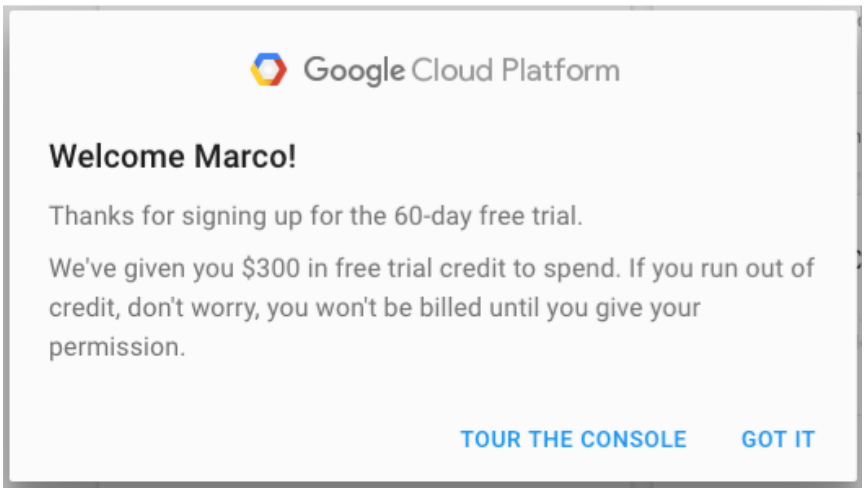


Select **Account Type Individual**. Follow the instructions to enter your account data. You should **not** be using your @usc.edu e-mail account for your primary contact e-mail address, but instead use your @gmail.com address and finish by clicking **Start my free trial**. You will have to provide a credit or debit card.



After you are signed up, you will see the message "Creating project. This may take a few moments." You will then be redirected to the **Dashboard** of the **Google Developer Console**.

A message will pop up indicating you signed up for the 60-day free trial, and have been given a $300 free trial credit.



If you previously developed any projects using Google APIs, you will find them listed. You are now ready to proceed with the specifics of your homework/project.

Notes on Google Cloud Pricing

If you go to

https://cloud.google.com/free/docs/always-free-usage-limits

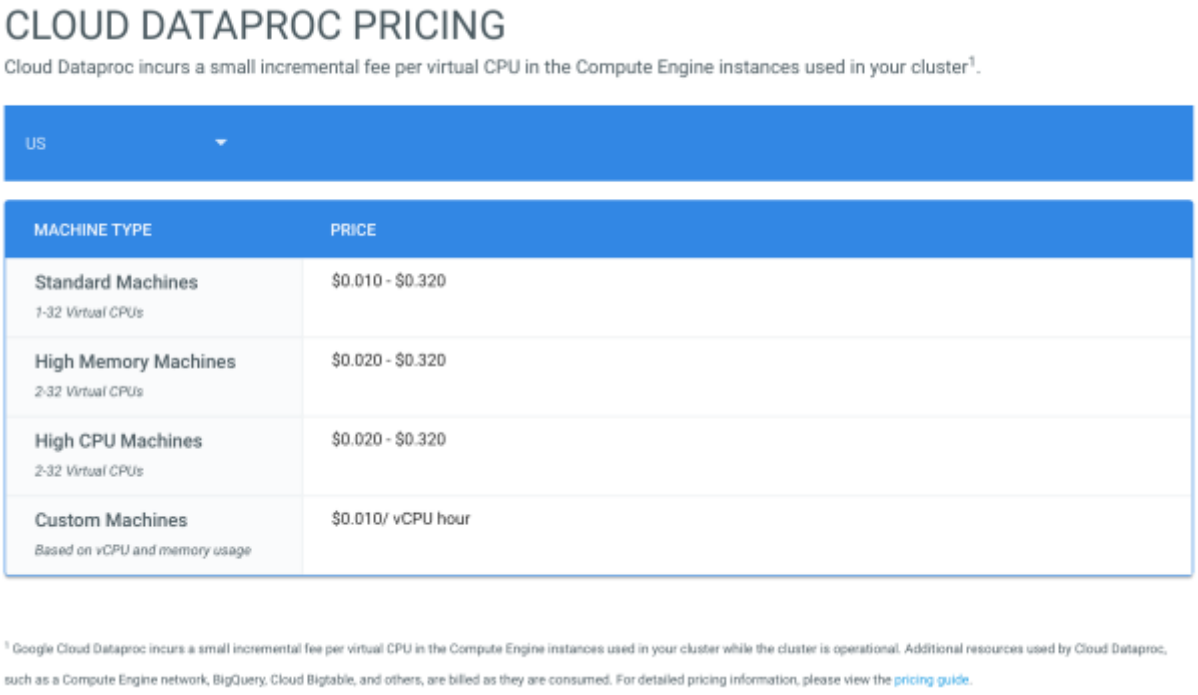
you will see that there are certain usage items that are always free. For example, under the Google App Engine 28 instance hours/day and 5GB Cloud Storage are just two of several items. The Google Cloud Datastore offers 1GB storage and 50,000 reads, 20,000 writes and 20,000 deletes for free. There are many other aspects of the Google Cloud that include free elements. Unfortunately, the DataProc is not one of them. As a result, the $300 free credit will kick in immediately.

The Google Cloud Dataproc is more fully described at

https://cloud.google.com/dataproc/

Adopting Google Cloud Platform pricing principles, Cloud Dataproc has a low cost and an easy to understand **price structure, based on actual use, measured by the minute**.

Here is the structure:



CLOUD DATAPROC PRICING

Cloud Dataproc incurs a small incremental fee per virtual CPU in the Compute Engine instances used in your cluster[1].

US

MACHINE TYPE	PRICE
Standard Machines *1-32 Virtual CPUs*	$0.010 - $0.320
High Memory Machines *2-32 Virtual CPUs*	$0.020 - $0.320
High CPU Machines *2-32 Virtual CPUs*	$0.020 - $0.320
Custom Machines *Based on vCPU and memory usage*	$0.010/ vCPU hour

[1] Google Cloud Dataproc incurs a small incremental fee per virtual CPU in the Compute Engine instances used in your cluster while the cluster is operational. Additional resources used by Cloud Dataproc, such as a Compute Engine network, BigQuery, Cloud Bigtable, and others, are billed as they are consumed. For detailed pricing information, please view the pricing guide.

Notice that also Compute Engine, BigQuery, BigTable and “others” are billed.