Compute Engine

-> IaaS - Virtual Machines

-> Per second billing

->Premptible instances

-> Local SSD (Solid State Drive)

-> Automated Discounts- Sustained usage

-> Commitment

->Global Load Balancing

Refer: https://cloud.google.com/compute/

Enabling billing: https://cloud.google.com/billing/docs/how-to/modify-project

Commands used for the demonstration:

sudo su

apt-get update

apt-get install -y apache2

service apache2 start

cd /var/www/html

vi <Filename>.html

vi editor commands:

-> To write in to the file, press esc and i

-> To save contents, press esc and type :wq

Cloud Storage:

-> ACL - Access control lists- IAM

Bucket naming conventions:

https://cloud.google.com/storage/docs/naming?_ga=2.151238009.-1335517581.1562651234

https://cloud.google.com/storage/docs/storage-classes

Making data public:

https://cloud.google.com/storage/docs/access-control/making-data-public

App Engine:

Overview video: https://cloud.google.com/appengine/

App engine

-> Similar to Elastic beanstalk by AWS

-> IaaS and PaaS

-> Type of environments:

Standard environment- php, java, .net, go , python

Sandbox -> Secured

Flexible environment ->

Comparison b/w standard and flexible env:
https://cloud.google.com/appengine/docs/standard/java/an-overview-of-app-engine

Dockers

Practice lab: Qwiklabs.com

S1- download the application

/*Git- Free and open source version control system(VCS)

Git Hub is a web based VCS

Git repository - Collection of files along with history of changes

repositories- app files/ metadat (changes) */

S2- Test the app applicaiton

S3- make a small change in the app- change in text

S4- Deploy the app

nano editor commands:

-> Save the file in ctrl+o

-> Exit- ctrl+x