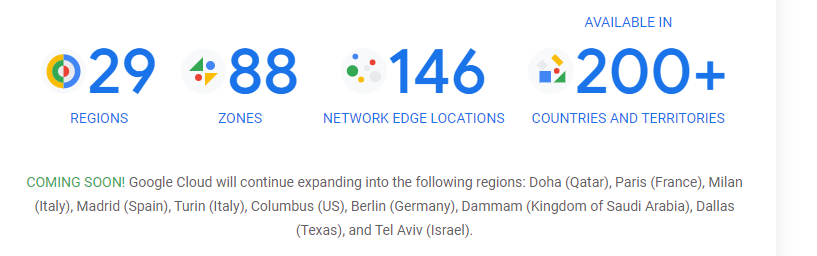
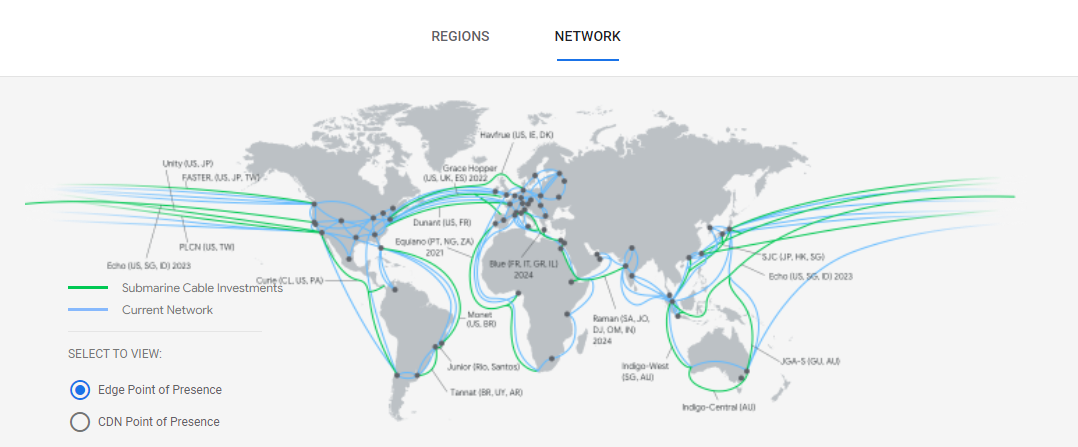
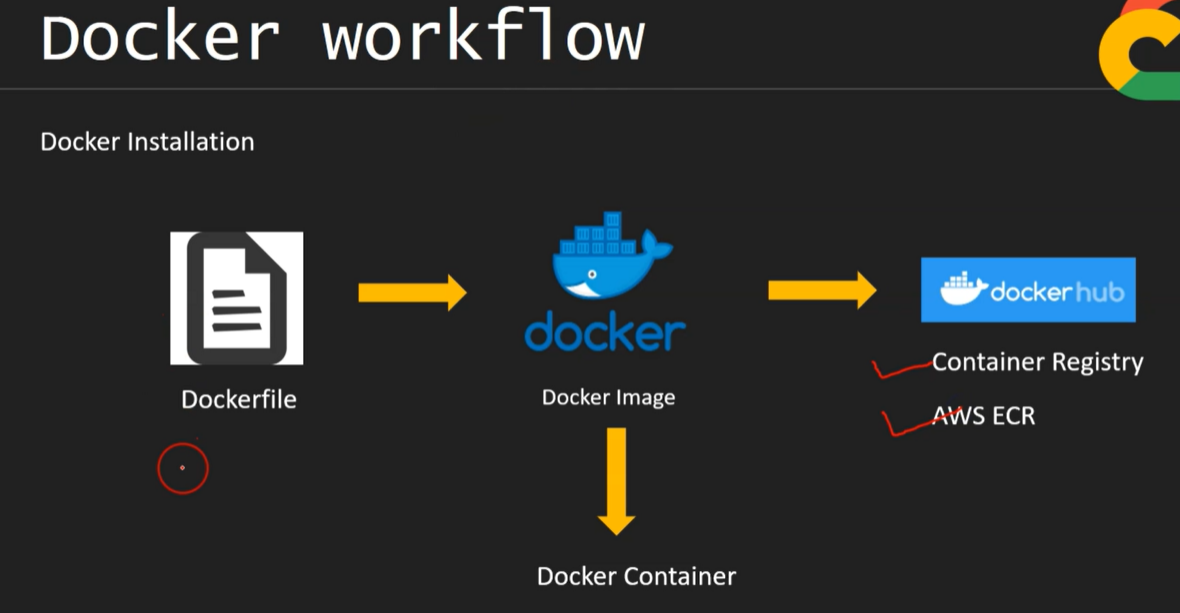


<https://cloud.google.com/about/locations#regions>





Docker installed in our cloud shell .

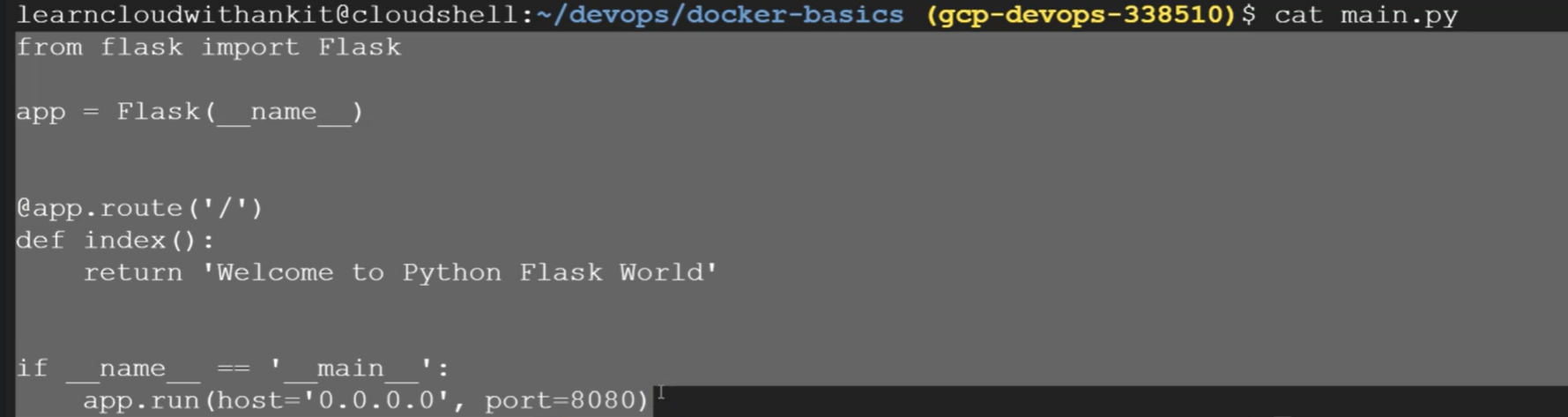


1)Base image – linux (as cloud shell )

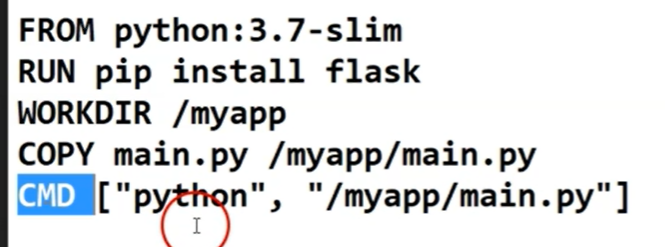
2) Python docker image

3)Start flask web app

Main.py🡪



Dockerfile🡪



PS1=$ 🡪 for removing full dir path .

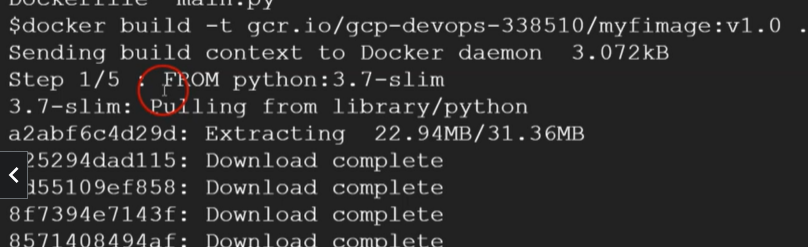
docker build -t gcr.io/gcp-projectid/myimanename .

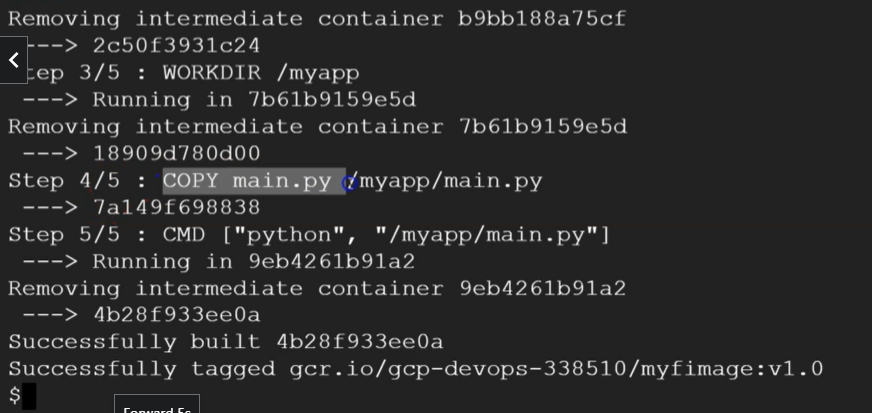
(.) mean here current dir

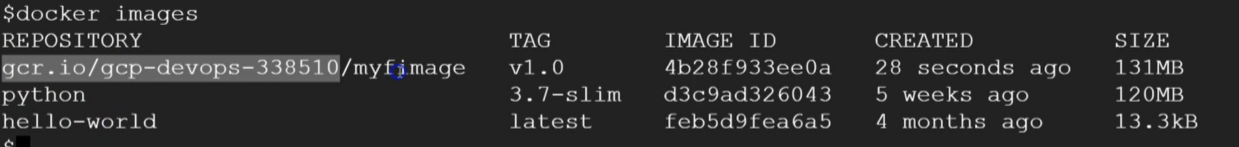


Need to register our image in google container registery (gcr.io) with name tag.

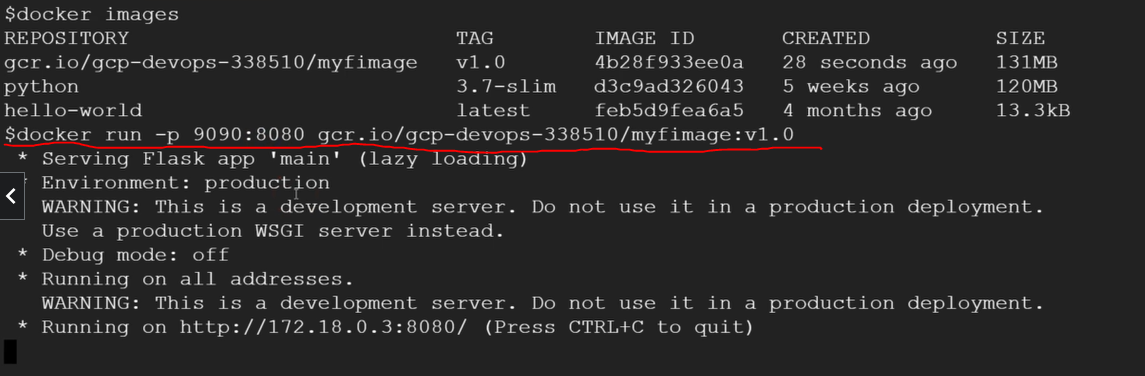
What ever I wrote in dockerfile it would be part of the image and store in gcr.io.

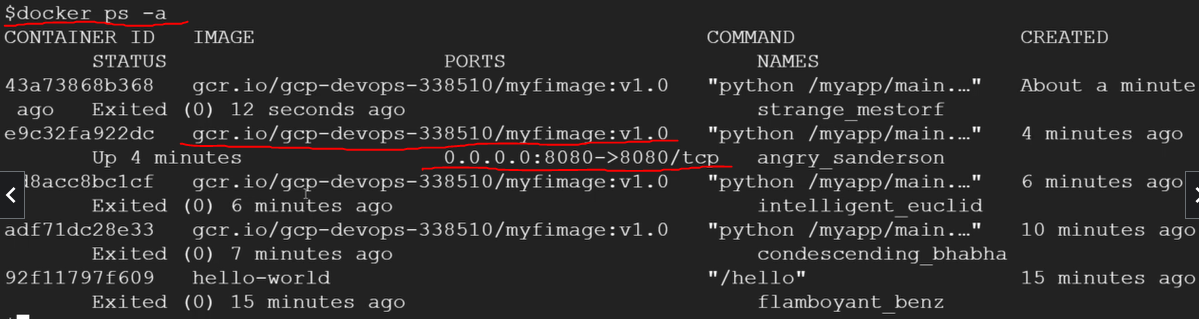






Now run my container 🡪



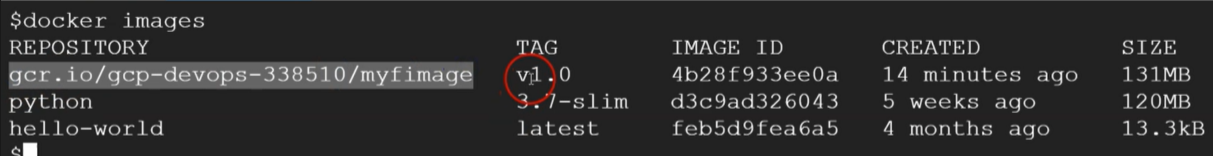


We can not remove running container

So stop firsrt

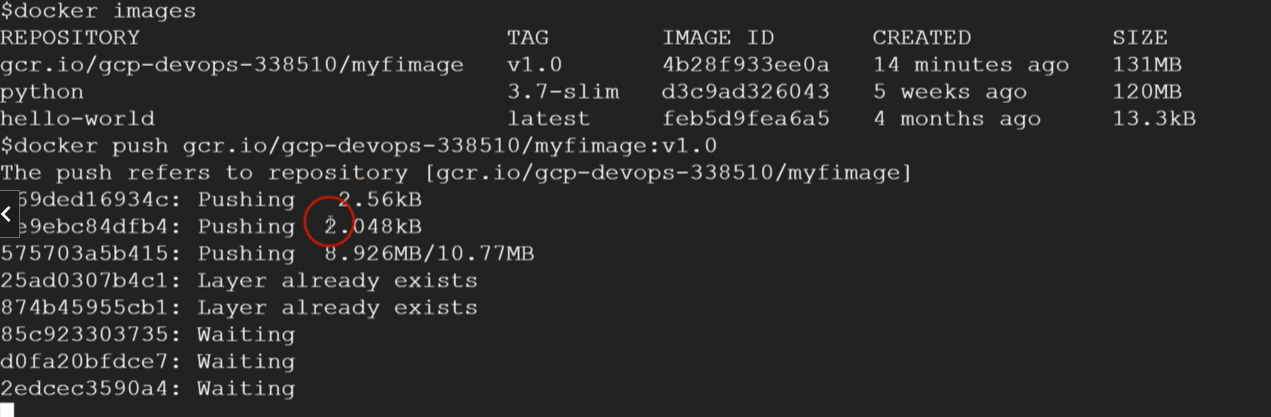
Docker stop containerid

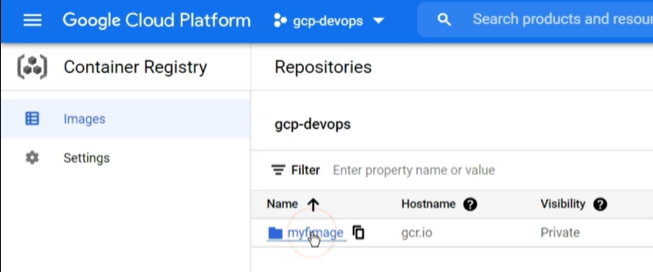


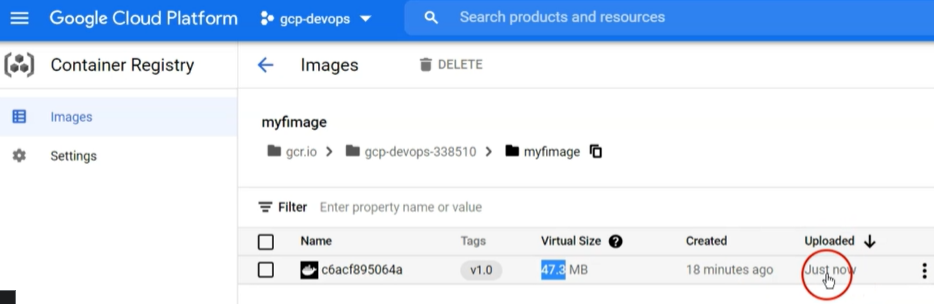


Google container registry🡪

Need push our container in GCR





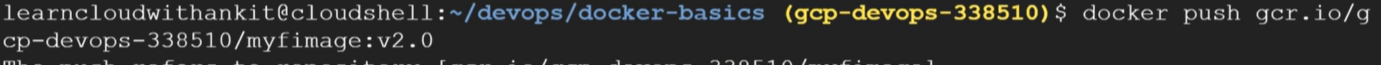


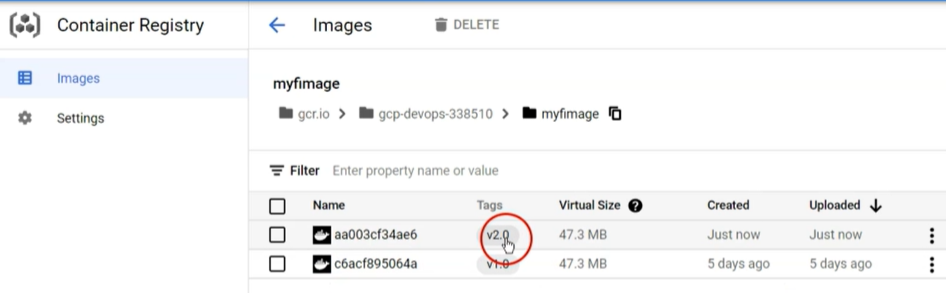
<https://cloud.google.com/run/docs#use-cases>

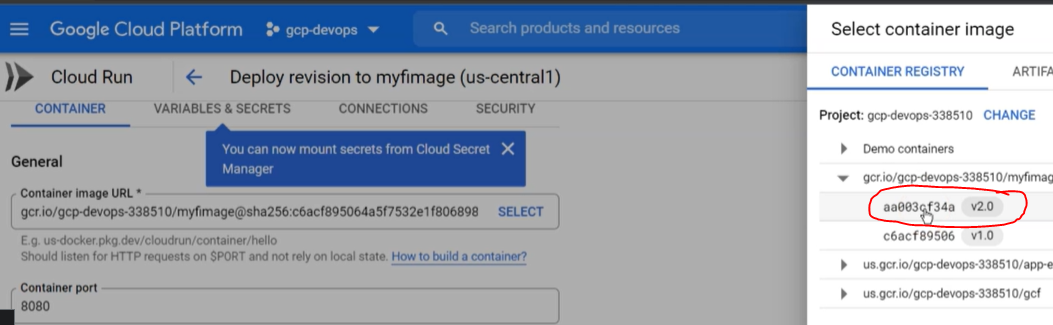
we can create multiple image with using same dockerfile with modify some in main.py file .

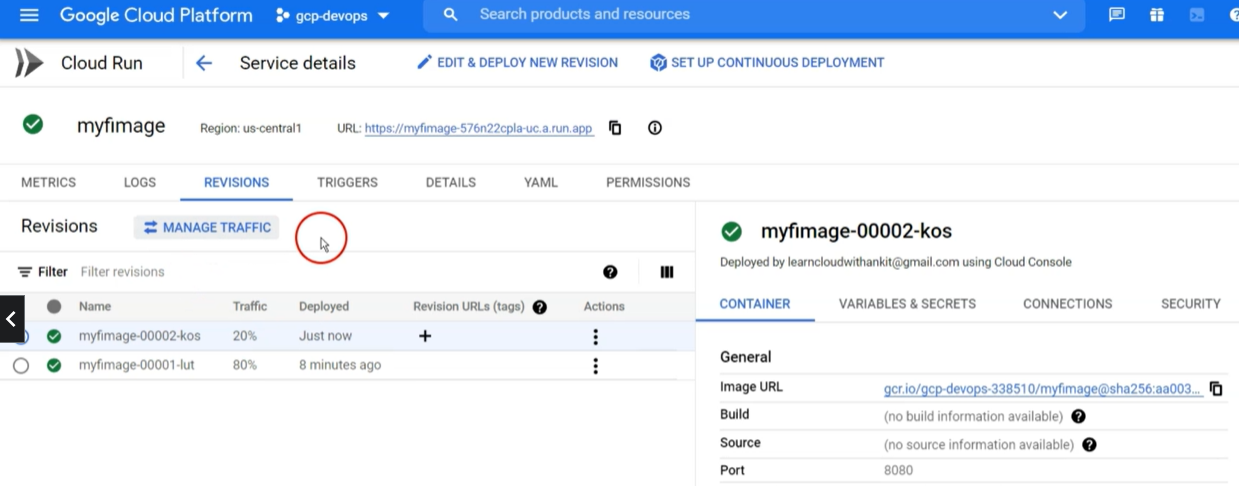


And Push it in gcr.io



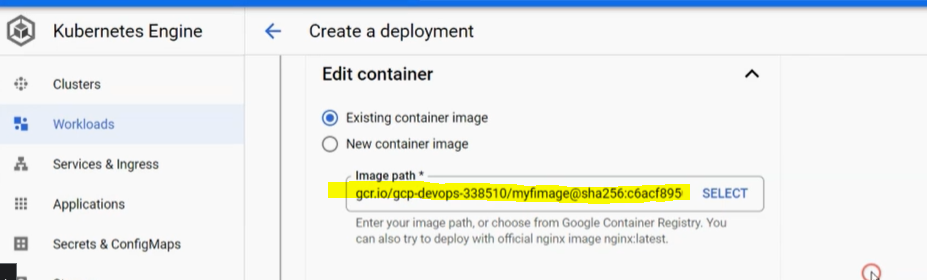


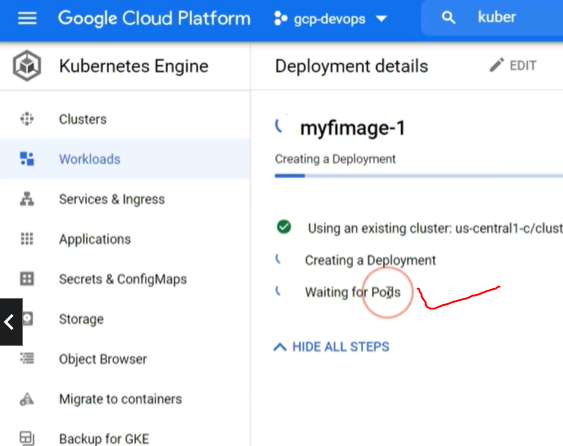




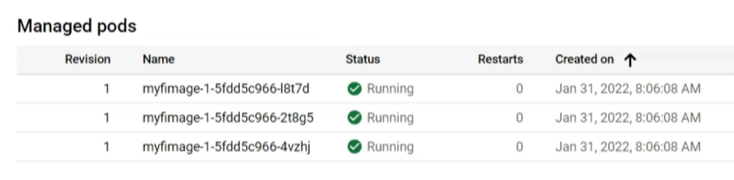
Kubernetes 🡪

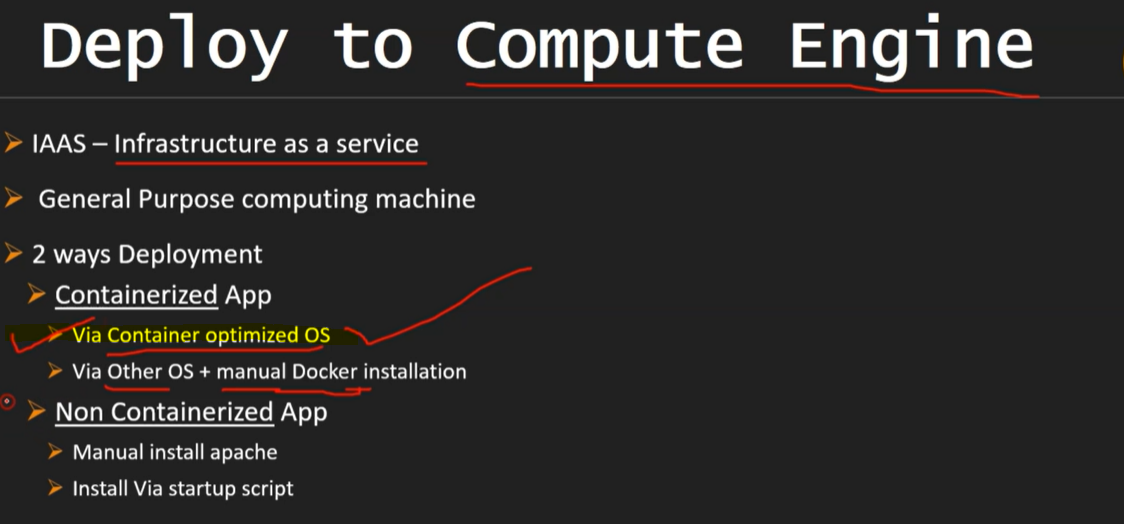
1. Create a cluster with VM.
2. Deploy our docker image



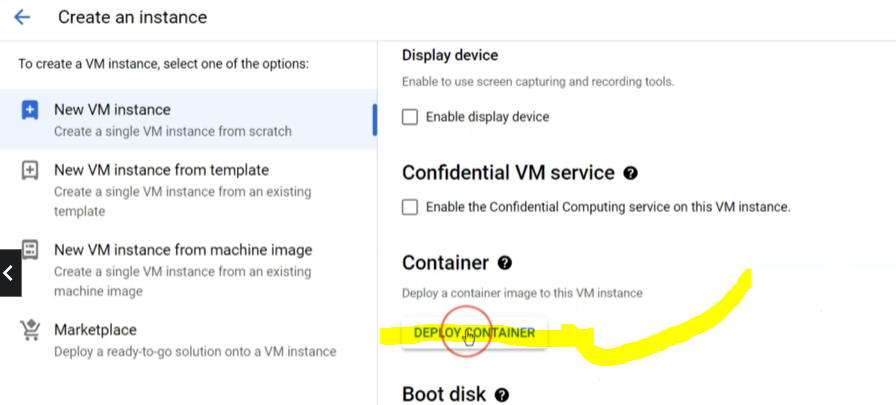


Three pods are running

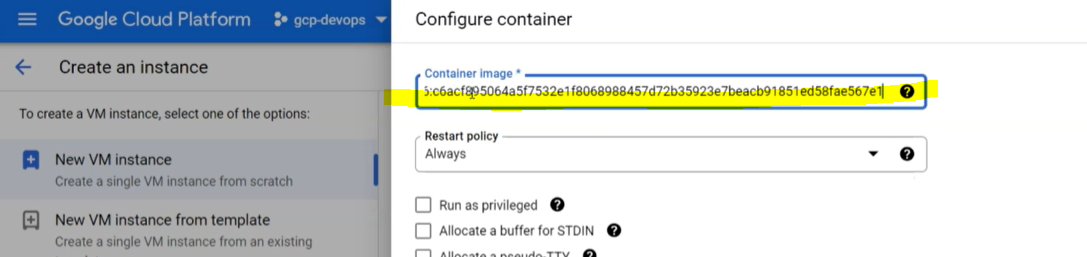




Deploy our docker image in GCE 🡪

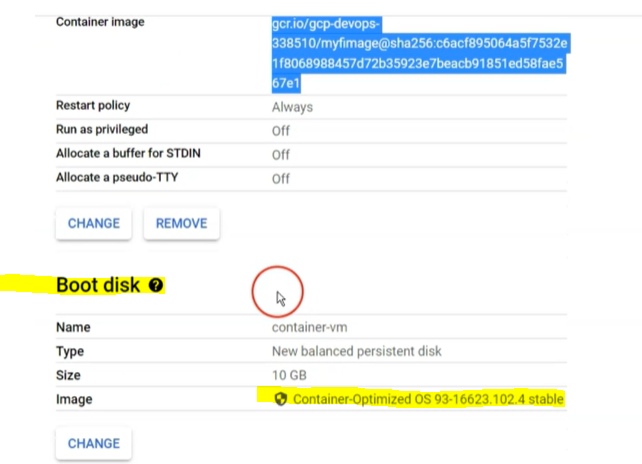


Copy your docker image path

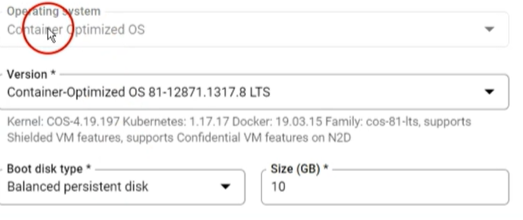


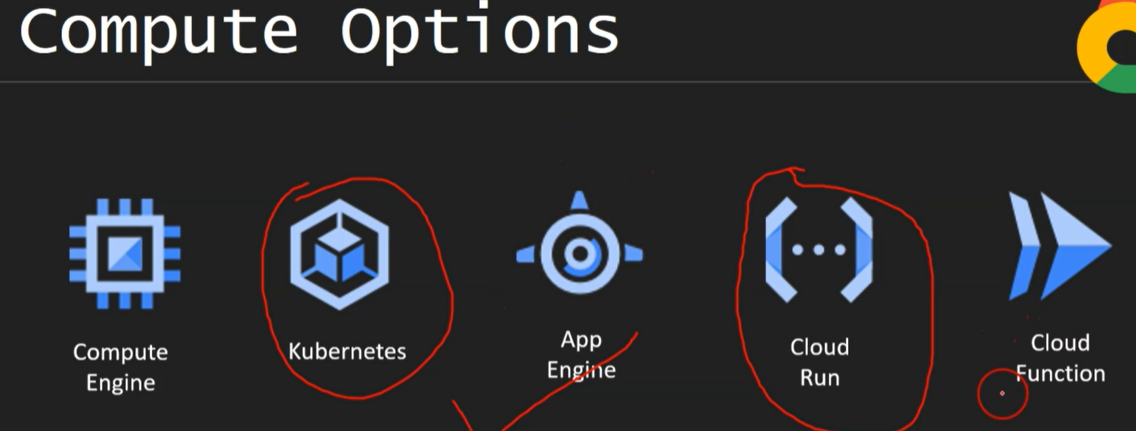
In GCE is using VM .

It is container-optimized OS so Boot dick having installed docker .



Boot Disk🡪





Execute your docker container/image 🡪

Docker exec -it containername bash

Docker-compose 🡪

We need to create docker-compose.yml file

Docker-compose –env-file .env up

.env file has below 🡪

Mysql\_root