Sign up google cloud

cloud.google.com

enable “Kubernetes Engine API” under API and services

Open Cloud shell

gcloud config set compute/zone us-central1-a

gcloud container clusters create gdg-demo

to get authentication credentials to interact with the cluster.

gcloud container clusters get-credentials gdg-demo

use the public container and create a new deployment “hello-server”

kubectl run hello-server --image=gcr.io/google-samples/hello-app:1.0 --port 8080

List all deployments

kubectl get deployments

Create new service “load balancer”

kubectl expose deployment hello-server --type="LoadBalancer"

List all services

kubectl get svc

Inspect new server by

kubectl get service hello-server

open <http://external-ip>:8080 in new browser

kubectl get pods

kubectl scale deployemnts hello-server --replicas=5

kubectl get pods

kubectl scale deployments hello-server --replicas=3

kubectl get pods

clean up the resources

gcloud container clusters delete gdg-demo