

Commands to host angular app in Google Kubernetes

My Bit Bucket repository Link: <https://bitbucket.org/venkatcganta/swe645hw3/src/master/>

1) gcloud artifacts repositories create swe645hw3repo \

--repository-format=docker \

--location=us-east4 \

--description="Docker repository"

2) git clone <https://bitbucket.org/venkatcganta/swe645hw3/src/master/>

3) cd /assign4

assign4 = assign4

swe645hw3repo= swe645hw3repo

projectid- swe645hw3angular

cluster google name- swe645hw3cluster

4) docker build -t us-east4-docker.pkg.dev/swe645hw3angular/swe645hw3repo/assign4:v1 .

5) docker run --rm -p 8081:8080 us-east4-

docker.pkg.dev/swe645hw3angular/swe645hw3repo/assign4:v1

6) docker push us-east4-docker.pkg.dev/swe645hw3repo/assign4:v1

7) docker push us-east4-docker.pkg.dev/swe645hw3angular/swe645hw3repo/assign4:v1

8) gcloud container clusters get-credentials swe645hw3cluster --zone us-east4-a

9) kubectl create deployment assign4 --image=us-east4-

docker.pkg.dev/swe645hw3angular/swe645hw3repo/assign4:v1

10) kubectl autoscale deployment assign4 --cpu-percent=80 --min=1 --max=5

11) kubectl expose deployment assign4 --name=assign4-service --type=LoadBalancer --port 80 --target-port 8080

The Output of our Angular app in Kubernetes is Hosted in the external IP specified below:

External IP : 34.85.225.96