

Task 1:-

```
gcloud auth list
gsutil cat gs://cloud-training/gsp318/marketing/setup_marking_v2.sh | bash
gcloud source repos clone valkyrie-app
cd valkyrie-app
cat > Dockerfile <<EOF
FROM golang:1.10
WORKDIR /go/src/app
COPY source .
RUN go install -v
ENTRYPOINT ["app","-single=true","-port=8080"]
EOF
docker build -t <Docker Image>:<Tag Name> .
cd ..
cd marketing
./step1_v2.sh
```

Task 2:-

```
cd ..
cd valkyrie-app
docker run -p 8080:8080 <Docker Image>:<Tag Name> &
cd ..
cd marketing
./step2_v2.sh
bash ~/marketing/step2_v2.sh
```

Task 3:-

```
cd ..
cd valkyrie-app

gcloud artifacts repositories create Change_repo \
  --repository-format=docker \
  --location=us-central1 \
  --description="subscribe to quciklab" \
  --async

gcloud auth configure-docker us-central1-docker.pkg.dev
```

docker images

```
docker tag Image_ID us-central1-docker.pkg.dev/PROJECT-ID/REPOSITORY/<Docker  
Image>:<Tag Name>
```

```
docker push us-central1-docker.pkg.dev/PROJECT-ID/REPOSITORY/<Docker  
Image>:<Tag Name>
```

Task 4:-

```
sed -i s#IMAGE_HERE#us-central1-docker.pkg.dev/PROJECT-ID/REPOSITORY/<Docker  
Image>:<Tag Name>#g k8s/deployment.yaml
```

```
gcloud container clusters get-credentials valkyrie-dev --zone us-east1-d  
kubectl create -f k8s/deployment.yaml  
kubectl create -f k8s/service.yaml
```