DhruvChaurasia3418 / **Implement-DevOps-in-Google-Cloud-Challenge-Lab**

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**Implement-DevOps-in-Google-Cloud-Challenge-Lab** / **Implement DevOps in Google Cloud: Challenge Lab**

**DhruvChaurasia3418** Create Implement DevOps in Google Cloud: Challenge Lab

**1** contributor

128 lines (87 sloc) | 7.78 KB

```
Task 1 ::==>

gcloud auth list
---------------------------------------------------------------------------------------
gcloud config list project

---------------------------------------------------------------------------------------
gcloud config set compute/zone us-east1-b

---------------------------------------------------------------------------------------
git clone https://source.developers.google.com/p/$DEVSHELL_PROJECT_ID/r/sample-app

---------------------------------------------------------------------------------------
gcloud container clusters get-credentials jenkins-cd

---------------------------------------------------------------------------------------
kubectl create clusterrolebinding cluster-admin-binding --clusterrole=cluster-admin --u

---------------------------------------------------------------------------------------
helm repo add stable https://charts.helm.sh/stable

---------------------------------------------------------------------------------------
helm repo update

---------------------------------------------------------------------------------------
helm install cd stable/jenkins

---------------------------------------------------------------------------------------
export POD_NAME=$(kubectl get pods --namespace default -l "app.kubernetes.io/component=
kubectl port-forward $POD_NAME 8080:8080 >> /dev/null &
```

```
printf $(kubectl get secret cd-jenkins -o jsonpath="{.data.jenkins-admin-password}" | b

--------------------------------------------------------------------------------------
 ############ COPY PASSWORD FOR JENKINS NOW ##########################

 cd sample-app
--------------------------------------------------------------------------------------
kubectl create ns production
kubectl apply -f k8s/production -n production
kubectl apply -f k8s/canary -n production
kubectl apply -f k8s/services -n production
--------------------------------------------------------------------------------------
kubectl get svc
--------------------------------------------------------------------------------------
kubectl get service gceme-frontend -n production

======================================================================================

NOW Follow along the video

======================================================================================

git init

--------------------------------------------------------------------------------------
git config credential.helper gcloud.sh

--------------------------------------------------------------------------------------
git remote add origin https://source.developers.google.com/p/$DEVSHELL_PROJECT_ID/r/sam

--------------------------------------------------------------------------------------
git config --global user.email "<user email>"

--------------------------------------------------------------------------------------
git config --global user.name "<user name>"

--------------------------------------------------------------------------------------
git add .
git commit -m "initial commit"
git push origin master

--------------------------------------------------------------------------------------
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Task 2 ::==>

git checkout -b new-feature

Now watch the video

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```

```
git add Jenkinsfile html.go main.go
git commit -m "Version 2.0.0"
git push origin new-feature

=======================================================================================
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Task 3 ::==>

curl http://localhost:8001/api/v1/namespaces/new-feature/services/gceme-frontend:80/pr
kubectl get service gceme-frontend -n production
git checkout -b canary
git push origin canary
export FRONTEND_SERVICE_IP=$(kubectl get -o \
jsonpath="{.status.loadBalancer.ingress[0].ip}" --namespace=production services gceme-
git checkout master
git push origin master

=======================================================================================
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


Task 4 ::==>


export FRONTEND_SERVICE_IP=$(kubectl get -o \
jsonpath="{.status.loadBalancer.ingress[0].ip}" --namespace=production services gceme-
while true; do curl http://$FRONTEND_SERVICE_IP/version; sleep 1; done

---------------------------------------------------------------------------------------

kubectl get service gceme-frontend -n production
---------------------------------------------------------------------------------------

git merge canary
git push origin master
export FRONTEND_SERVICE_IP=$(kubectl get -o \
jsonpath="{.status.loadBalancer.ingress[0].ip}" --namespace=production services gceme-

=======================================================================================
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!########################################################

                                                            END OF LAB

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```