Deploy to Kubernetes in Google Cloud: Challenge Lab

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| First  Task - |
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|  | source <(gsutil cat gs://cloud-training/gsp318/marking/setup\_marking\_v2.sh) |
|  | gcloud source repos clone valkyrie-app --project=qwiklabs-gcp-01-096d3d9fe9fc [Your Project Id] |
|  | cd valkyrie-app |
|  | cat > Dockerfile <<EOF |
|  | docker build -t valkyrie-dev:v0.0.3 . [AS PER YOUR NAME AND NUMBER] |
|  | cd .. |
|  | ./step1\_v2.sh |
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|  | 2nd Task |
|  |  |
|  | docker run -p 8080:8080 valkyrie-dev:v0.0.3 & [change name and number as per your lab names] |
|  | ./step2\_v2.sh |
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|  | Task -- 3 |
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|  | docker tag valkyrie-dev:v0.0.3 gcr.io/qwiklabs-gcp-01-096d3d9fe9fc/valkyrie-dev:v0.0.3 |
|  | docker push gcr.io/qwiklabs-gcp-01-096d3d9fe9fc/valkyrie-dev:v0.0.3 |
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|  | Task 4 ----- |
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|  | gcloud container clusters get-credentials valkyrie-dev --zone us-east1-d |
|  | cd valkyrie-app |
|  | sed -i s#IMAGE\_HERE#gcr.io/qwiklabs-gcp-01-096d3d9fe9fc/valkyrie-dev:v0.0.3#g k8s/deployment.yaml [copy the middle one from there] |
|  | kubectl create -f k8s/deployment.yaml |
|  | kubectl create -f k8s/service.yaml |
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|  | TASK 5 ----- |
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|  | git merge origin/kurt-dev |
|  | kubectl edit deployment valkyrie-dev |
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|  | docker build -t gcr.io/$GOOGLE\_CLOUD\_PROJECT/valkyrie-dev:v0.0.4 . |
|  | docker push gcr.io/$GOOGLE\_CLOUD\_PROJECT/valkyrie-dev:v0.0.4 |
|  | kubectl edit deployment valkyrie-dev |
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|  | Sixth and Final Task - |
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|  | docker ps |
|  | docker kill container\_id |
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|  | export POD\_NAME=$(kubectl get pods --namespace default -l "app.kubernetes.io/component=jenkins-master" -l "app.kubernetes.io/instance=cd" -o jsonpath="{.items[0].metadata.name}") |
|  | kubectl port-forward $POD\_NAME 8080:8080 >> /dev/null & |
|  | printf $(kubectl get secret cd-jenkins -o jsonpath="{.data.jenkins-admin-password}" | base64 --decode);echo |
|  |  |
|  | gcloud source repos list |
|  |  |
|  | sed -i "s/green/orange/g" source/html.go |
|  | sed -i "s/YOUR\_PROJECT/$GOOGLE\_CLOUD\_PROJECT/g" Jenkinsfile |
|  | git config --global user.email "you@example.com" |
|  | git config --global user.name "student" |
|  | git add . |
|  | git commit -m "built pipeline init" |
|  | git push |