**KUBERNETES PROJECT SOLUTION**

1. Project git repo oluşturuldu.
2. Project files updated.
3. Project files pushlandı.
4. Docker image oluşturuldu. (docker build -t kullanıcıadı/result-server:v1 .)
5. Docker image hub a gönderildi.
   1. Docker login username and password. Kullanıcıadı-password
   2. Docker push kullanıcıadı/result-server:v1
   3. Docker push kullanıcıadı/web-server:v1
6. Kubernetes manifest files oluşturuldu.
   1. kubectl create deployment mysql-deployment --image=mysql:5.7 --dry-run=client -o yaml > mysql\_deployment.yaml
   2. kubectl create deployment webserver-deployment --image=techproawsdevopsteam/web-server:v1 --dry-run=client -o yaml > webserver\_deployment.yaml
   3. kubectl create deployment resultserver-deployment --image=techproawsdevopsteam/result-server:v1 --dry-run=client -o yaml > resultserver\_deployment.yaml
   4. kubectl create service clusterip mysql\_service --tcp=3306:3306 --dry-run=client -o yaml > mysql\_service.yaml
   5. kubectl create service nodeport result-service --tcp=80:80 --dry-run=client -o yaml > result\_service.yaml
   6. kubectl create service nodeport web-service --tcp=80:80 --dry-run=client -o yaml > web\_service.yaml
   7. kubectl create configmap mysql-config --dry-run=client -o yaml > mysql\_configmap.yaml
   8. kubectl create secret generic mysql-secret --dry-run=client -o yaml > mysql\_secret.yaml
   9. kubectl create configmap server-config --dry-run=client -o yaml > server\_configmap.yaml
   10. pv ve pvc extension aracılığıyla oluştur.
7. echo -n "R1234r" | base64
8. helm kurulum

curl -fsSL -o get\_helm.sh https://raw.githubusercontent.com/helm/helm/main/scripts/get-helm-3

chmod 700 get\_helm.sh

./get\_helm.sh

1. ingress documents den oluştur
2. nginx ingress kur
3. kubectl apply -f <https://raw.githubusercontent.com/kubernetes/ingress-nginx/controller-v1.10.0/deploy/static/provider/cloud/deploy.yaml>

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/ingress-nginx/main/deploy/static/provider/cloud/deploy.yaml>

**HELM İLE AWS S3 REPO KULLANIMI**

helm create phonebook

sonra manifestleri taşı

helm plugin install https://github.com/hypnoglow/helm-s3.git

aws s3 bucket oluştur

aws configure yap

helm s3 init s3://helm-repo-phonebook/helm

helm repo add deneme s3://helm-repo-phonebook/helm

helm package phonebook/

helm s3 push ./phonebook-0.1.0.tgz deneme

helm repo update

helm search repo deneme

helm upgrade --install my-relaese deneme/phonebook