Gernene Tan

A0227762Y

Github: https://github.com/Gernene/OTOT-A2-A3

A2 Instructions:

kind create cluster --name kind-1 --config k8s/kind/cluster-config.yaml

kind load docker-image otot-a1 --name kind-1

kubectl apply -f ./k8s/manifests/backend-deployment.yml

kubectl label node kind-1-control-plane ingress-ready=true

kubectl label node kind-1-worker ingress-ready=true

kubectl label node kind-1-worker2 ingress-ready=true

kubectl label node kind-1-worker3 ingress-ready=true

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

kubectl apply -f ./k8s/manifests/backend-service.yml

kubectl apply -f ./k8s/manifests/backend-ingress.yml

kind delete cluster —name kind-1

A3 Instructions:

kubectl apply -f https://github.com/kubernetes-sigs/metrics-server/releases/latest/download/components.yaml

kubectl -nkube-system edit deploy/metrics-server

kubectl -nkube-system rollout restart deploy/metrics-server

kubectl apply -f ./k8s/manifests/backend-hpa.yml

kubectl apply -f ./k8s/manifests/backend-zone-aware-deployment.yml