**Voting App Demo**

1. Download Voting-App code from following repository
   1. <https://github.com/dockersamples/example-voting-app>
2. Run the following docker commands
   1. docker run -d - -name=redis redis
   2. docker run -d -e POSTGRES\_HOST\_AUTH\_METHOD=trust –name db postgres
   3. Move to vote folder and run the following command
      1. docker build -t voting-app .
      2. Docker run -d - - name=vote -p 5000:80 voting-app
   4. Move to result-app and run the following command
      1. docker build -t result-app .
      2. docker run -d - -name:result -p 5002:80 result-app
   5. Move to worker directory and run the following command
      1. docker build -t wroker-app .
      2. Docker run -d - -name=worker worker-app

**Using Links**

docker run -d –name redis redis

docker run -d -e POSTGRES\_HOST\_AUTH\_METHOD=trust –name db postgres

docker run -d --name vote --link redis:redis -p 5001:80 voter-app

docker run -d --name result --link db:db -p 5002:80 result-app

docker run -d --name worker --link db:db --link redis:redis worker-app

Kubernetes Command

1. brew install kubectl
2. brew install minikube
3. Minikube start
4. Kubectl cluster-info
5. Minikube dashboard
6. Kubectl get all
7. Kubectl create deployment hello-minikube - -image venuopalshatri/microserviceone:latest
8. Kubectl expose deployment hello-minikube - -type=NodePort - -port=3000
9. Kubectl get services hello-minikube
10. Minikube service hello-minikube
11. Minikube service hello-minikube - - url
12. Kubectl get deployments
13. Kubectl delete deployment - - all
14. Kubectl describe deployment <deploymentName>
15. Kubectl rollout status <deploymentName>
16. Kubectl rollout history <deploymentName> (observe revision number)
17. Kubectl edit deployment deploymentname - -record (for update)
19. Kubectl rollout undo <deployment Name>
20. Kubectl create -f …..yml –record
21. Kubectl get nodes
22. Kubectl run <podeName> –image <imageName>
23. Kubectl describe pod <podename>
24. Kubectl get pods
25. Kubectl delete pods - -all
26. Kubectl get replicasets
27. Kubectl describe replicaset <name of the replicaset>
28. Kubectl scale replicaset <Name of the Replicaset> - -replica <NewValue>
29. Kubectl edit replicaset <Name Of the replicaset>