Lab 3

```
akshatsrivastava@Akshats-Air kubernetes-demo % minikube stop
     minikube delete
minikube start
 minikube start

Stopping node "minikube" ...

Powering off "minikube" via SSH ...

1 node stopped.

Deleting "minikube" in docker ...

Deleting container "minikube" ...

Removing /Users/akshatsrivastava/.minikube/machines/minikube ...

Removed all traces of the "minikube" cluster.

minikube v1.33.1 on Darwin 14.5 (arm64)

Automatically selected the docker driver

Using Docker Desktop driver with root privileges

Starting "minikube" primary control-plane node in "minikube" cluster

Pulling base image v0.0.44 (...

Creating docker container (CPUS=2, Memory=2200MB) ...

Preparing Kubernetes v1.30.0 on Docker 26.1.1 ...

Generating certificates and keys ...

Booting up control plane ...

Configuring RBAC rules ...

Configuring RBAC rules ...

Configuring RBAC rules ...

Verifying Kubernetes components...

Using image gcr. iofk85-minikube/storage-provisioner:v5

Enabled addons: storage-provisioner, default-storageclass

Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default minikube
     minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

    akshatsrivastava@Akshats-Air kubernetes-demo % kubectl apply -f secrets/mongodb-secret.yml
    error: the path "secrets/mongodb-secret.yml" does not exist
    akshatsrivastava@Akshats-Air kubernetes-demo % kubectl apply -f /Users/akshatsrivastava/Blockchain/Docker/Lab3/kubernetes-demo/kubernetes/se

      crets/mongodb-secret.yml
secret/mongodb-secret created
 secret/mongodb-secret created

akshatsrivastava@kshats-Air kubernetes-demo % kubectl apply -f /Users/akshatsrivastava/Blockchain/Docker/Lab3/kubernetes-demo/kubernetes/st
ateful-sets/mongodb-stateful-set.yml
statefullset.apps/mongodb-stateful-set created

akshatsrivastava@Akshats-Air kubernetes-demo % kubectl apply -f /Users/akshatsrivastava/Blockchain/Docker/Lab3/kubernetes-demo/kubernetes/se
rvices/mongodb-service.yml
service/mongodb-service.yml
• akshatsrivastava@Akshats-Air kubernetes-demo % kubectl apply -f /Users/akshatsrivastava/Blockchain/Docker/Lab3/kubernetes-demo/kubernetes/de
   ployments/note-server-depl.yml
deployment.apps/note-server-deployment created
akshatsrivastava@Akshats-Air kubernetes-demo % minikube dashboard
    Enabling dashboard ...

• Using image docker.io/kubernetesui/dashboard:v2.7.0

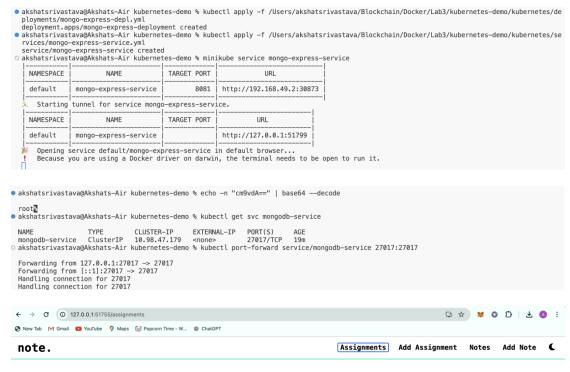
• Using image docker.io/kubernetesui/metrics-scraper:v1.0.8

Some dashboard features require the metrics-server addon. To
                                                                                                                                     To enable all features please run:
           Verifying dashboard health ...
          Launching proxy ...
Verifying proxy health ...
Opening http://127.0.0.1:51619/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser
   9
   i"

    akshatsrivastava@Akshats-Air kubernetes-demo % kubectl apply -f /Users/akshatsrivastava/Blockchain/Docker/Lab3/kubernetes-demo/kubernetes/se

        NAMESPACE
                                          NAME
                                                                 TARGET PORT
                                                                                             http://192.168.49.2:31720
                                                                               3000
        default
                                 note-service
            Starting tunnel for service note-service.
                                                                TARGET PORT
        NAMESPACE
                                         NAME
                                                                                                                URL
         default
                                 note-service
                                                                                             http://127.0.0.1:51755
            Opening service default/note-service in default browser...

Because you are using a Docker driver on darwin, the terminal needs to be open to run it.
```



Search Assignments



LAB_3

_id: ObjectId('665bd325b0672e3a8a99ca18') name: "LAB_3" **deadline**: 2024-06-02T00:00:00.000+00:00

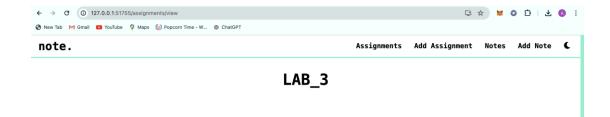
priority : true

subject : "Scalable Blockchain"

createdAt : 2024-06-02T02:04:21.120+00:00

assignImg : "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAOEAAADhCAMAAAAJbSJIAAAA..."

__v: 0



L A B 3

Deadline: 2024-06-02
Subject: Scalable Blockchain
Important

Edit Delete

0

```
akshatsrivastava@Akshats-Air kubernetes-demo % kubectl get pods

NAME
mongo-express-deployment-77bd456f64-nzvfp 1/1 Running 0 29m
mongodb-stateful-set-0 1/1 Running 0 32m
mongodb-stateful-set-1 1/1 Running 0 32m
monet-deployment-677bf6c757-69jgl 1/1 Running 0 29m
note-deployment-677bf6c757-8jfch 1/1 Running 0 29m
note-deployment-677bf6c757-8jfch 1/1 Running 0 29m
note-server-deployment-c5d4dd7b8-Zmnhr 1/1 Running 0 32m
note-server-deployment-c5d4dd7b8-tbph4 1/1 Running 0 32m
akshatsrivastava@Akshats-Air kubernetes-demo % kubectl delete pod note-deployment-677bf6c757-69jgl

pod "note-deployment-677bf6c757-69jgl" deleted
akshatsrivastava@Akshats-Air kubernetes-demo % kubectl get pods

NAME
mongo-express-deployment-77bd456f64-nzvfp 1/1 Running 0 30m
mongodb-stateful-set-0 1/1 Running 0 33m
mongodb-stateful-set-1 1/1 Running 0 33m
mongodb-stateful-set-1 1/1 Running 0 33m
mongodb-stateful-set-1 1/1 Running 0 33m
note-deployment-677bf6c757-bq8bt 1/1 Running 0 31m
note-deployment-677bf6c757-bq8bt 1/1 Running 0 31m
note-deployment-677bf6c757-bq8bt 1/1 Running 0 33m
note-server-deployment-c5d4dd7b8-zmhr 1/1 Running 0 33m
note-server-deployment-c5d4dd7b8-tbph4 1/1 Running 0 33m
note-server-deployment-c5d4dd7b8-tbph4 1/1 Running 0 33m
akshatsrivastava@Akshats-Air kubernetes-demo %
```