

Lab3 - Screenshots by Athika Fatima (101502209)

Part 1 - Run a multi-node cluster using the commands above.

- 1) `minikube start --nodes 2 -p multinode-demo`
- 2) `kubectl get nodes`
- 3) `minikube status -p multinode-demo`
- 4) `minikube dashboard -p multinode-demo`

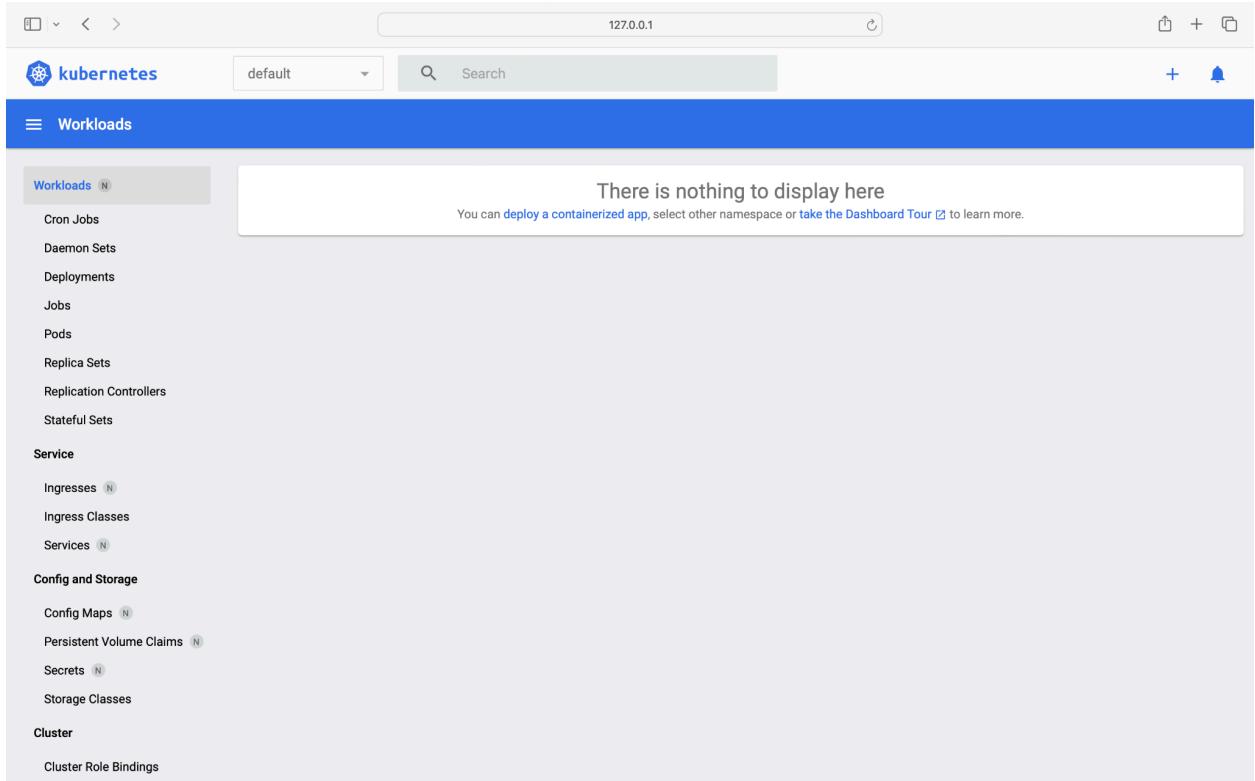
```
[athikafatima@Athikas-MBP 2_deployment-files % minikube start --nodes 2 -p multinode-demo
😊 [multinode-demo] minikube v1.32.0 on Darwin 14.1.2
⚡ Automatically selected the docker driver
✖ Using Docker Desktop driver with root privileges
👍 Starting control plane node multinode-demo in cluster multinode-demo
_PULLING_ base image ...
🔥 Creating docker container (CPUs=2, Memory=2200MB) ...
🌐 Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
    ■ Generating certificates and keys ...
    ■ Booting up control plane ...
    ■ Configuring RBAC rules ...
🔗 Configuring CNI (Container Networking Interface) ...
🔍 Verifying Kubernetes components...
    ■ Using image gcr.io/k8s-minikube/storage-provisioner:v5
⭐ Enabled addons: storage-provisioner, default-storageclass

👍 Starting worker node multinode-demo-m02 in cluster multinode-demo
_PULLING_ base image ...
🔥 Creating docker container (CPUs=2, Memory=2200MB) ...
🌐 Found network options:
    ■ NO_PROXY=192.168.49.2
🌐 Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
    ■ env NO_PROXY=192.168.49.2
🔍 Verifying Kubernetes components...
⚡ Done! kubectl is now configured to use "multinode-demo" cluster and "default" namespace by default
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get nodes
NAME           STATUS   ROLES      AGE     VERSION
multinode-demo   Ready    control-plane   2m9s   v1.28.3
multinode-demo-m02   Ready    <none>       92s    v1.28.3
[athikafatima@Athikas-MBP 2_deployment-files % minikube status -p multinode-demo
multinode-demo
type: Control Plane
host: Running
kublet: Running
apiserver: Running
kubeconfig: Configured

multinode-demo-m02
type: Worker
host: Running
kublet: Running

[athikafatima@Athikas-MBP 2_deployment-files % minikube dashboard -p multinode-demo
⚡ 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 enable all features please run:
    minikube -p multinode-demo addons enable metrics-server

🟡 Verifying dashboard health ...
🚀 Launching proxy ...
🟡 Verifying proxy health ...
🌐 Opening http://127.0.0.1:52310/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...
```



```
5) minikube stop -p multinode-demo  
6) minikube delete --all
```

```
[athikafatima@Athikas-MBP 2_deployment-files % minikube stop -p multinode-demo  
👉 Stopping node "multinode-demo" ...  
🔴 Powering off "multinode-demo" via SSH ...  
👉 Stopping node "multinode-demo-m02" ...  
🔴 Powering off "multinode-demo-m02" via SSH ...  
👉 2 nodes stopped.  
[athikafatima@Athikas-MBP 2_deployment-files % minikube delete --all  
🔥 Deleting "multinode-demo" in docker ...  
🔥 Removing /Users/athikafatima/.minikube/machines/multinode-demo ...  
🔥 Removing /Users/athikafatima/.minikube/machines/multinode-demo-m02 ...  
💀 Removed all traces of the "multinode-demo" cluster.  
🔥 Successfully deleted all profiles  
athikafatima@Athikas-MBP 2_deployment-files %
```

Part 2 - Running all types of deployment yaml commands separately.

- Replicaset.yaml

1) `kubectl apply -f replicaset.yaml`

```
[athikafatima@Athikas-MBP 2_deployment-files % minikube start
└─ minikube v1.32.0 on Darwin 14.1.2
  └─ Automatically selected the docker driver
  └─ Using Docker Desktop driver with root privileges
  └─ Starting control plane node minikube in cluster minikube
  └─ Pulling base image ...
  └─ Creating docker container (CPUs=2, Memory=2200MB) ...
  └─ Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
    └─ Generating certificates and keys ...
    └─ Booting up control plane ...
    └─ Configuring RBAC rules ...
  └─ Configuring bridge CNI (Container Networking Interface) ...
  └─ Verifying Kubernetes components...
    └─ Using image gcr.io/k8s-minikube/storage-provisioner:v5
  └─ Enabled addons: storage-provisioner, default-storageclass
  └─ Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f replicaset.yaml
replicaset.apps/nginx-replica created
```

2) `kubectl get pods`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods
NAME           READY   STATUS    RESTARTS   AGE
nginx-replica-bv5qv   1/1     Running   0          100s
nginx-replica-cng4m   1/1     Running   0          100s
nginx-replica-kgfdm   1/1     Running   0          100s
athikafatima@Athikas-MBP 2_deployment-files %
```

3) `kubectl delete pod nginx-replica-bv5qv`

4) `kubectl get pods`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods
NAME           READY   STATUS    RESTARTS   AGE
nginx-replica-bv5qv   1/1     Running   0          100s
nginx-replica-cng4m   1/1     Running   0          100s
nginx-replica-kgfdm   1/1     Running   0          100s
[athikafatima@Athikas-MBP 2_deployment-files % kubectl delete pod nginx-replica-bv5qv
pod "nginx-replica-bv5qv" deleted
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods
NAME           READY   STATUS    RESTARTS   AGE
nginx-replica-44vsn   1/1     Running   0          7s
nginx-replica-cng4m   1/1     Running   0         2m22s
nginx-replica-kgfdm   1/1     Running   0         2m22s
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get replicases
NAME      DESIRED  CURRENT  READY   AGE
nginx-replica  3        3        3      2m33s
athikafatima@Athikas-MBP 2_deployment-files %
```

- Deployment YAML with ReplicaSet

1) `kubectl get deployments`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f deploy-replica.yaml
deployment.apps/nginx-deployment-replica created
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get deployments
NAME           READY   UP-TO-DATE  AVAILABLE   AGE
nginx-deployment-replica  3/3     3          3          13s
```

2) `kubectl rollout status deployment nginx`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl rollout status deployment nginx-deployment-replica  
deployment "nginx-deployment-replica" successfully rolled out  
athikafatima@Athikas-MBP 2_deployment-files % ]
```

- StatefulSet YAML

1) `kubectl get statefulsets`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f statefulsets.yaml  
service/nginx created  
statefulset.apps/web created
```

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get statefulsets  
NAME READY AGE  
web 0/3 8m52s  
athikafatima@Athikas-MBP 2_deployment-files % ]
```

- DaemonSet YAML

1) `kubectl apply -f daemonset.yaml`

2) `kubectl get pods`

3) `kubectl get daemonsets`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f daemonset.yaml  
daemonset.apps/nginx created
```

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods  
NAME READY STATUS RESTARTS AGE  
nginx-deployment-replica-5479df7db-2w6c8 1/1 Running 0 40m  
nginx-deployment-replica-5479df7db-9hdjd 1/1 Running 0 40m  
nginx-deployment-replica-5479df7db-v6s97 1/1 Running 0 40m  
nginx-replica-44vsn 1/1 Running 0 61m  
nginx-replica-cng4m 1/1 Running 0 64m  
nginx-replica-kgfdm 1/1 Running 0 64m  
nginx-s6khl 1/1 Running 0 6s  
web-0 0/1 Pending 0 24m
```

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get daemonsets  
NAME DESIRED CURRENT READY UP-TO-DATE AVAILABLE NODE SELECTOR AGE  
nginx 1 1 1 1 1 <none> 19s  
athikafatima@Athikas-MBP 2_deployment-files % ]
```

- Deployment example with resource limits.

1) `kubectl apply -f deployment-resource.yaml`

2) `kubectl get pods`

3) `kubectl get deployments`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f deployment-resource.yaml
deployment.apps/nginx-deployment created
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods
  NAME                READY   STATUS    RESTARTS   AGE
  nginx-deployment-7667bf9c77-2x4dd   1/1     Running   0          9s
  nginx-deployment-7667bf9c77-fwl5g   1/1     Running   0          9s
  nginx-deployment-7667bf9c77-w6pnrm  1/1     Running   0          9s
  nginx-deployment-replica-5479df7db-2w6c8  1/1     Running   0          43m
  nginx-deployment-replica-5479df7db-9hdjd  1/1     Running   0          43m
  nginx-deployment-replica-5479df7db-v6s97  1/1     Running   0          43m
  nginx-replica-44vsn                 1/1     Running   0          64m
  nginx-replica-cng4m                1/1     Running   0          67m
  nginx-replica-kgfmd               1/1     Running   0          67m
  nginx-s6khl                         1/1     Running   0          3m6s
  web-0                             0/1     Pending   0          27m
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get deployments
  NAME            READY   UP-TO-DATE   AVAILABLE   AGE
  nginx-deployment 3/3      3           3           19s
  nginx-deployment-replica 3/3      3           3           43m
[athikafatima@Athikas-MBP 2_deployment-files % ]
```

- Creating Deployment object with health checks

- 1) `kubectl apply -f deploy-health.yaml`
- 2) `kubectl get pods`
- 3) `kubectl get deployments`

```
[athikafatima@Athikas-MBP 2_deployment-files % kubectl apply -f deploy-health.yaml
deployment.apps/nginx-deployment configured
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get pods
  NAME                READY   STATUS    RESTARTS   AGE
  nginx-deployment-596b5b4d66-76rt6   0/1     Pending   0          7s
  nginx-deployment-7667bf9c77-2x4dd   1/1     Running   0          4m3s
  nginx-deployment-7667bf9c77-fwl5g   1/1     Running   0          4m3s
  nginx-deployment-7667bf9c77-w6pnrm  1/1     Running   0          4m3s
  nginx-deployment-replica-5479df7db-2w6c8  1/1     Running   0          47m
  nginx-deployment-replica-5479df7db-9hdjd  1/1     Running   0          47m
  nginx-deployment-replica-5479df7db-v6s97  1/1     Running   0          47m
  nginx-replica-44vsn                 1/1     Running   0          68m
  nginx-replica-cng4m                1/1     Running   0          70m
  nginx-replica-kgfmd               1/1     Running   0          70m
  nginx-s6khl                         1/1     Running   0          7m
  web-0                             0/1     Pending   0          31m
[athikafatima@Athikas-MBP 2_deployment-files % kubectl get deployments
  NAME            READY   UP-TO-DATE   AVAILABLE   AGE
  nginx-deployment 3/3      3           3           4m45s
  nginx-deployment-replica 3/3      3           3           47m
[athikafatima@Athikas-MBP 2_deployment-files % ]
```

Part 3 - Running a full stack Application Deployment with Kubernetes

- 1) `kubectl apply -f secrets/mongodb-secret.yaml`

- 2) `kubectl apply -f stateful-sets/mongodb-stateful-set.yml`
- 3) `kubectl apply -f services/mongodb-service.yml`
- 4) `kubectl apply -f deployments/note-server-depl.yml`
- 5) `kubectl apply -f services/note-server-service.yml`
- 6) `kubectl apply -f deployments/note-depl.yml`
- 7) `kubectl apply -f services/note-service.yml`

```
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f secrets/mongodb-secret.yml
secret/mongodb-secret created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f stateful-sets/mongodb-stateful-set.yml
statefulset.apps/mongodb-stateful-set created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/mongodb-service.yml
service/mongodb-service created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f deployments/note-server-depl.yml
deployment.apps/note-server-deployment created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/note-server-service.yml
service/note-server-service created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f deployments/note-depl.yml
deployment.apps/note-deployment created
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/note-service.yml
service/note-service created
```

```

NAME          TYPE      CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
service/kubernetes   ClusterIP  10.96.0.1    <none>        443/TCP   29m
service/mongodb-service ClusterIP  10.97.75.75  <none>        27017/TCP  25m

NAME          READY  AGE
statefulset.apps/mongodb-stateful-set  2/2   26m
athikafatima@Athikas-MacBook-Pro ~ % kubectl apply -f deployments/note-server-depl.yml
error: the path "deployments/note-server-depl.yml" does not exist
athikafatima@Athikas-MacBook-Pro ~ % cd Desktop/kubernetes-demo/kubernetes
athikafatima@Athikas-MacBook-Pro ~ % kubectl apply -f deployments/note-server-depl.yml
deployment.apps/note-server-deployment created
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/note-server-service.yml
service/note-server-service created
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/note-server-service.yml
service/note-server-service unchanged
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f deployments/note-depl.yml
[deployment.apps/note-deployment created
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f deployments/note-depl.yml
[deployment.apps/note-deployment unchanged
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl apply -f services/note-service.yml
[service/note-service created
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl get all
NAME          READY  STATUS    RESTARTS  AGE
pod/mongodb-stateful-set-0  1/1   Running   0          27m
pod/mongodb-stateful-set-1  1/1   Running   0          27m
pod/note-deployment-74cc946cd8-59xdf  1/1   Running   0          16s
pod/note-deployment-74cc946cd8-k4rzp  1/1   Running   0          16s
pod/note-server-deployment-84b6857556-58kjc  1/1   Running   0          62s
pod/note-server-deployment-84b6857556-xrvcr  1/1   Running   0          62s

NAME          TYPE      CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
service/kubernetes   ClusterIP  10.96.0.1    <none>        443/TCP   30m
service/mongodb-service ClusterIP  10.97.75.75  <none>        27017/TCP  27m
service/note-server-service ClusterIP  10.110.172.140  <none>        4567/TCP   33s
service/note-service LoadBalancer  10.111.200.104  <pending>   3000:31857/TCP  4s

NAME          READY  UP-TO-DATE  AVAILABLE  AGE
deployment.apps/note-deployment  2/2   2          2          16s
deployment.apps/note-server-deployment  2/2   2          2          62s

NAME          DESIRED  CURRENT  READY  AGE
replicaset.apps/note-deployment-74cc946cd8  2       2       2       16s
replicaset.apps/note-server-deployment-84b6857556  2       2       2       62s

NAME          READY  AGE
statefulset.apps/mongodb-stateful-set  2/2   27m
athikafatima@Athikas-MacBook-Pro kubernetes % minikube service note-service
[----|-----|-----|-----|-----]
|  NAMESPACE |  NAME    | TARGET PORT |        URL        |
|-----|-----|-----|-----|
| default  | note-service | 3000  | http://192.168.58.2:31857 |
|-----|-----|-----|-----|
✖ Starting tunnel for service note-service.
[----|-----|-----|-----|-----]
|  NAMESPACE |  NAME    | TARGET PORT |        URL        |
|-----|-----|-----|-----|
| default  | note-service |           | http://127.0.0.1:51167 |
|-----|-----|-----|-----|
💡 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.
^Z
zsh: suspended minikube service note-service
athikafatima@Athikas-MacBook-Pro kubernetes %

```

- 8) **minikube service note-service**
- 9) **kubectl apply -f deployments/mongo-express-depl.yml**
- 10) **kubectl apply -f services/mongo-express-service.yml**

11) minikube service mongo-express-service

```
Last login: Fri Jan 19 20:34:04 on ttys002
You have new mail.
/usr/local/bin/zsh:8: command not found: ng
[athikafatima@Athikas-MacBook-Pro ~] cd Desktop/kubernetes-demo/kubernetes
[athikafatima@Athikas-MacBook-Pro kubernetes %] kubectl apply -f deployments/mongo-express-depl.yaml
deployment.apps/mongo-express-deployment created
[athikafatima@Athikas-MacBook-Pro kubernetes %] kubectl apply -f services/mongo-express-service.yaml
service/mongo-express-service created
[athikafatima@Athikas-MacBook-Pro kubernetes %] minikube service mongo-express-service
[----|-----|-----|-----|-----]
| NAMESPACE | NAME      | TARGET PORT | URL           |
|----|-----|-----|-----|-----|
| default   | mongo-express-service | 8081       | http://192.168.58.2:31207 |
[----|-----|-----|-----|-----]

✖ Exiting due to SVC_UNREACHABLE: service not available: no running pod for service mongo-express-service found

[!] If the above advice does not help, please let us know:
👉 https://github.com/kubernetes/minikube/issues/new/choose

Please run `minikube logs --file=logs.txt` and attach logs.txt to the GitHub issue.
Please also attach the following file to the GitHub issue:
- /var/folders/hv3mfynt4129z_22_6ry6fx1dh000gn/T/minikube_service_4b8e68efde24d3106879bac259044ff1ffb5c1755_0.log

atikafatima@Athikas-MacBook-Pro kubernetes % kubectl get pods
[...]
atikafatima@Athikas-MacBook-Pro kubernetes % waiting for mongo:27017
[...]
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:46 UTC 2024 retrying to connect to mongo:27017 (2/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:47 UTC 2024 retrying to connect to mongo:27017 (3/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:48 UTC 2024 retrying to connect to mongo:27017 (4/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:49 UTC 2024 retrying to connect to mongo:27017 (5/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:50 UTC 2024 retrying to connect to mongo:27017 (6/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:51 UTC 2024 retrying to connect to mongo:27017 (7/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:52 UTC 2024 retrying to connect to mongo:27017 (8/10)
/docker-entrypoint.sh: line 15: mongo: Name does not resolve
/docker-entrypoint.sh: line 15: /dev/tcp/mongo/27017: Invalid argument
Sat Jan 28 01:57:53 UTC 2024 retrying to connect to mongo:27017 (9/10)
[...]
atikafatima@Athikas-MacBook-Pro kubernetes % kubectl logs mongo-express-deployment-b88f6d45f-wd82m

[...]
atikafatima@Athikas-MacBook-Pro kubernetes % minikube status
[...]
minikube
  type: Control Plane
  host: Running
  kubelet: Running
  apiserver: Running
  kubeconfig: Configured

  minikube
    type: Control Plane
    Enabling dashboard ...
    • Using image docker.io/kubernetessui/dashboard:v2.7.0
    • Using image docker.io/kubernetessui/metrics-scraper:v1.0.8
    ⓘ Some dashboard features require the metrics-server addon. To enable all features please run:
      minikube addons enable metrics-server

    🌐 Verifying dashboard health ...
    🚀 Launching proxy ...
    🌐 Verifying proxy health ...
    ⓘ Opening http://127.0.0.1:51355/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...
`z
zsh: suspended minikube dashboard
[athikafatima@Athikas-MacBook-Pro kubernetes %] minikube service mongo-express-service
[----|-----|-----|-----|-----]
| NAMESPACE | NAME      | TARGET PORT | URL           |
|----|-----|-----|-----|-----|
| default   | mongo-express-service | 8081       | http://192.168.58.2:31207 |
[----|-----|-----|-----|-----]

[...] Starting tunnel for service mongo-express-service.
[...]
[----|-----|-----|-----|-----]
| NAMESPACE | NAME      | TARGET PORT | URL           |
|----|-----|-----|-----|-----|
| default   | mongo-express-service | 8081       | http://127.0.0.1:51468 |
[----|-----|-----|-----|-----]

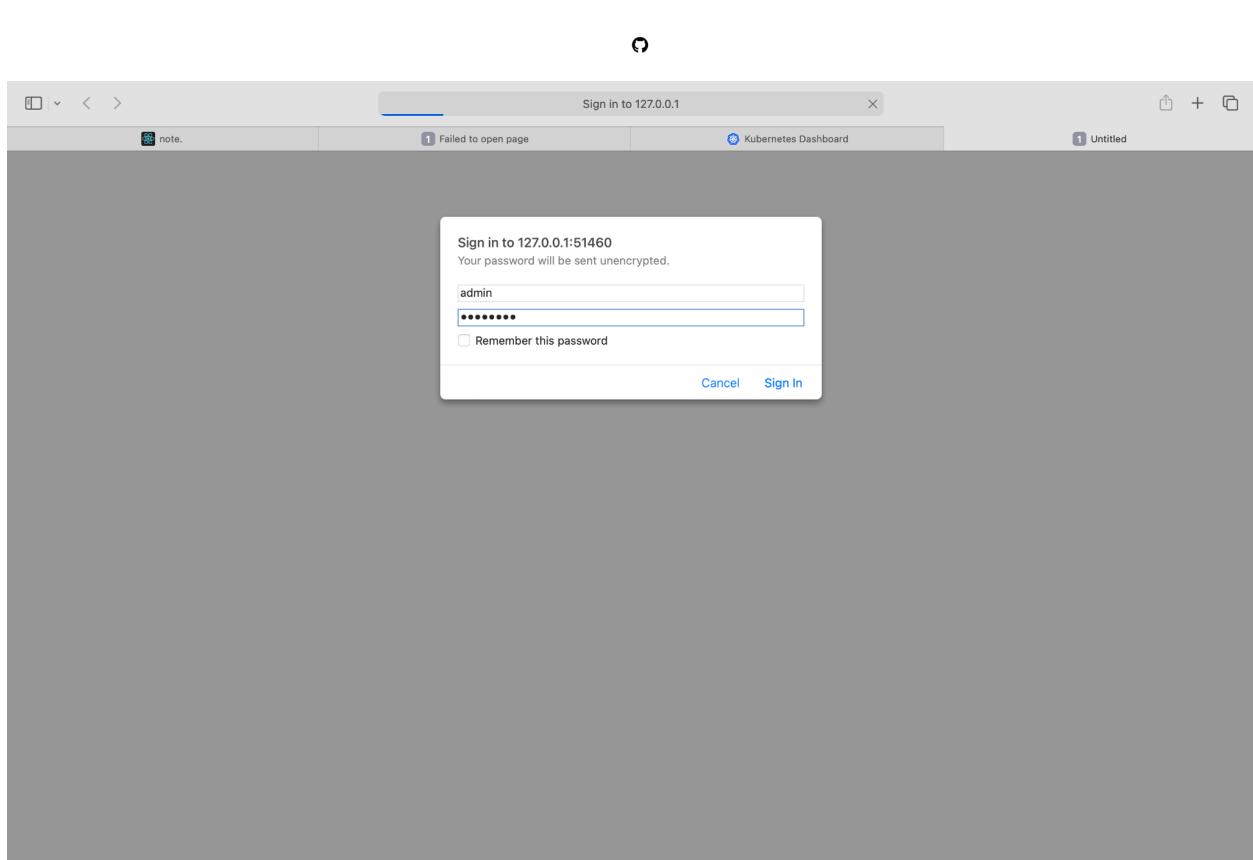
[...] Opening service default/mongo-express-service in default browser...
[!] Because you are using a Docker driver on darwin, the terminal needs to be open to run it.
`z
zsh: suspended minikube service mongo-express-service
[athikafatima@Athikas-MacBook-Pro kubernetes %]
```



note.

Assignments Add Assignment Notes Add Note ☾

Important Assignments



The screenshot shows the Mongo Express dashboard. At the top, there are tabs for 'note.', 'Failed to open page', 'Kubernetes Dashboard', and 'Home - Mongo Express'. Below the tabs, the title 'Mongo Express' is displayed. The main area has two sections: 'Databases' and 'Server Status'.

Databases:

	Database Name	Action
	admin	Del
	config	Del
	local	Del
	mydb	Del

Server Status:

Hostname	mongodb-stateful-set-0	MongoDB Version	7.0.5
Uptime	2119 seconds	Node Version	18.19.0
Server Time	Sat, 20 Jan 2024 02:03:33 GMT	V8 Version	10.2.154.26-node.28
Current Connections	5	Available Connections	838855
Active Clients	0	Queued Operations	0
Clients Reading	0	Clients Writing	0

Task: Bring down note-depp pod. Demonstrate using screenshot if a new pod has started.

```
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl get pods
NAME                      READY   STATUS    RESTARTS   AGE
mongo-express-deployment-b88f6d45f-wd82m  1/1    Running   0          16m
mongodb-stateful-set-0            1/1    Running   0          46m
mongodb-stateful-set-1            1/1    Running   0          45m
note-deployment-74cc946cd8-59xdf  1/1    Running   0          18m
note-deployment-74cc946cd8-k4rzp  1/1    Running   0          18m
note-server-deployment-84b6857556-58kjc  1/1    Running   0          19m
note-server-deployment-84b6857556-xrvcr  1/1    Running   0          19m
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl delete pod note-server-deployment-84b6857556-58kjc
pod "note-server-deployment-84b6857556-58kjc" deleted
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl get pods
NAME                      READY   STATUS    RESTARTS   AGE
mongo-express-deployment-b88f6d45f-wd82m  1/1    Running   0          20m
mongodb-stateful-set-0            1/1    Running   0          50m
mongodb-stateful-set-1            1/1    Running   0          49m
note-deployment-74cc946cd8-59xdf  1/1    Running   0          22m
note-deployment-74cc946cd8-k4rzp  1/1    Running   0          22m
note-server-deployment-84b6857556-tk4jc  1/1    Running   0          2m21s
note-server-deployment-84b6857556-xrvcr  1/1    Running   0          23m
[athikafatima@Athikas-MacBook-Pro kubernetes % kubectl delete pod note-deployment-74cc946cd8-59xdf
pod "note-deployment-74cc946cd8-59xdf" deleted
athikafatima@Athikas-MacBook-Pro kubernetes % kubectl get pods]
```