

k8 markedspace

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl apply -f mongo.yaml
deployment.apps/mongo-deployment created
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl apply -f mongo-pvc.yaml
persistentvolumeclaim/mongo-pvc created
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get all
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/kubernetes                 ClusterIP           10.96.0.1       <none>           443/TCP          21d
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get pod
No resources found in default namespace.
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get pods -n k8
NAME                                READY    STATUS    RESTARTS   AGE
mongo-deployment-685b549867-ndgj2  1/1      Running   0           104s
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get pvc -n k8
NAME                                STATUS    VOLUME                                     CAPACITY
ACCESS MODES                       STORAGECLASS  AGE
mongo-pvc                          Bound      pvc-47b67303-f806-4ba3-9b37-9ec8c51e977a  10Gi
RWO                                 standard      104s
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get pod -n k8 -o wide
NAME                                READY    STATUS    RESTARTS   AGE    IP             NODE
NOMINATED NODE    READINESS GATES
mongo-deployment-685b549867-ndgj2  1/1      Running   0           27m    10.244.0.4     minikube
<none>              <none>
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl apply -f mongo-configmap.yaml
configmap/mongodb-configmap created
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl apply -f mongo-express.yaml
deployment.apps/mongo-express-deployment created
```

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl -n k8 get pod -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE	NOMINATED
mongo-deployment-685b549867-ndgj2	1/1	Running	0	49m	10.244.0.4	minikube	<none>
mongo-express-deployment-5f8c4b9f4b-wsjds	1/1	Running	0	60s	10.244.0.5	minikube	<none>

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl apply -f mongo-express.yaml
deployment.apps/mongo-express-deployment unchanged
service/mongo-express-service created
```

cluster has now internal IP:

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get service
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	21d

AND now:

```
Elisa@CodeBloodedMamaBeth MINGW64 ~/SOFTWARETEKNOLOGI/sw7/wao/exam/marketplace-app/k8 (master)
$ kubectl get service -n k8
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
mongo-express-service	NodePort	10.102.216.127	<none>	8081:30000/TCP	11m
mongo-service	ClusterIP	10.102.210.106	<none>	27017/TCP	53m

IP has in and out port ready