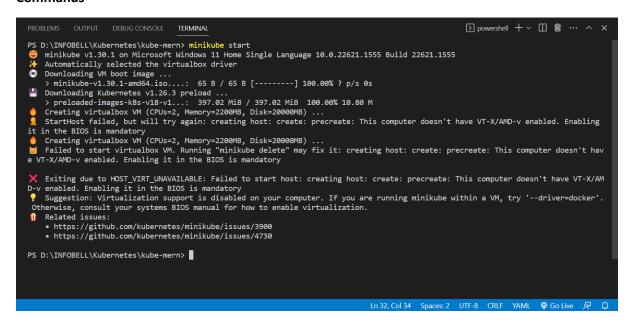
Name: Madhavi Suratkar

Topic: Kubernetes

Date: 02-05-2023

Commands



PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get pod
Unable to connect to the server: dial tcp 127.0.0.1:8080: connectex: No connection could be made because the target machine actively refused it.
PS D:\INFOBELL\Kubernetes\kube-mern>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get pod

No resources found in default namespace.

PS D:\INFOBELL\Kubernetes\kube-mern>

```
PS D:\INFOBELL\Kubernetes\kube-mern> minikube version
minikube version: v1.30.1
commit: 08896fd1dc362c097c925146c4a0d0dac715ace0
PS D:\INFOBELL\Kubernetes\kube-mern> 

PS D:\INFOBELL\Kubernetes\kube-mern> 

PS D:\INFOBELL\Kubernetes\kube-mern> kubect1 config view
apiVersion: v1
clusters:
- cluster:
    certificate-authority-data: DATA+OMITTED
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl config view
apiVersion: v1
clusters:
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://kubernetes.docker.internal:6443
    name: docker-desktop
contexts:
- context:
    cluster: docker-desktop
    user: docker-desktop
name: docker-desktop
current-context: docker-desktop
kind: Config
preferences: {}
users:
- name: docker-desktop
user:
    client-certificate-data: REDACTED
    client-key-data: REDACTED
PS D:\INFOBELL\Kubernetes\kube-mern>
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get deploy -A

NAMESPACE NAME READY UP-TO-DATE AVAILABLE AGE
kube-system coredns 2/2 2 2 8m50s
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl apply -f secret.yaml
secret/mongo-secret created
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl apply -f mongo-config.yaml
configmap/mongo-config created
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl apply -f mongo-app.yaml
service/mongo-service created
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl apply -f mongo-app.yaml
service/mongo-service created
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl apply -f web-app.yaml
The Service "webapp-service" is invalid: spec.ports[0].nodePort: Forbidden: may not be used when `type` is 'ClusterI
P'PS D:\INFOBELL\Kubernetes\kube-mernkubectl apply -f web-app.yaml
service/webapp-service created
PS D:\INFOBELL\Kubernetes\kube-mernkubectl apply -f web-app.yaml
service/webapp-service created
PS D:\INFOBELL\Kubernetes\kube-mernx
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get secret

NAME TYPE DATA AGE

mongo-secret Opaque 2 7m30s

PS D:\INFOBELL\Kubernetes\kube-mern>
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get configmap

NAME DATA AGE
kube-root-ca.crt 1 24m
mongo-config 1 6m55s

PS D:\INFOBELL\Kubernetes\kube-mern>
```

```
PS D:\INFOBELL\Kubernetes\kube-mern> kubectl get svc
NAME
                 TYPE
                            CLUSTER-IP
                                             EXTERNAL-IP
                                                          PORT(S)
                                                                           AGE
kubernetes
                 ClusterIP
                            10.96.0.1
                                             <none>
                                                          443/TCP
                                                                            25m
mongo-service
                 ClusterIP
                            10.101.167.14
                                                          27017/TCP
                                                                            6m58s
                                             <none>
                NodePort
                                                          8081:30100/TCP
webapp-service
                            10.111.171.60
                                                                           2m13s
                                             <none>
PS D:\INFOBELL\Kubernetes\kube-mern>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\INFOBELL\Kubernetes\kube-mern> minikube ip

192.168.49.2

PS D:\INFOBELL\Kubernetes\kube-mern>
```

PS D:\INFOBELL\Kubernetes\kube-mern> minikube status

minikube

type: Control Plane

host: Running kubelet: Running apiserver: Running kubeconfig: Configured

PS D:\INFOBELL\Kubernetes\kube-mern>

PROBLEMS OUTP										. 1	14.	12-4
	\Kubernetes\Kl 	ube-mern> <mark>mini</mark> ku 	le sei	ervi -	Vlc	V1C	VIC	/ice	.ce	e 1	Ils	IIST
NAMESPACE	NAME	TARGET PORT	URL	Ϊ								
				-								
default	kubernetes	No node port		1								
kube-system	kube-dns	No node port		1								
		<u>-</u>		-								
PS D:\INFOBELL	\Kubernetes\kı	ube-mern>										