

# TASK 4 COMPLETED

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Activities Terminal Thu 03:00 hemanath@ubuntu: ~/capstone

service/react-e-commerce-service created
hemanath@ubuntu:~/capstone$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hemanathb/ecommerce latest            b06a3accfcd        21 hours ago       195MB
hemanathb/hen_pipeline 1                 f8084e9a62e3       27 hours ago       149MB
hemanathb/hen_pipeline 2                 f8084e9a62e3       27 hours ago       149MB
kicbase/stable        v0.0.46           e72c4cbe9b29       2 months ago       1.31GB
hemanath@ubuntu:~/capstone$ kubectl get deployments
No resources found in default namespace.
hemanath@ubuntu:~/capstone$ kubectl apply -f deployment.yml
Warning: resource services/react-e-commerce-service is missing the kubernetes.io/last-applied-configuration annotation which is required by kubectl apply. kubectl
l apply should only be used on resources created declaratively by either kubectl create --save-config or kubectl apply. The missing annotation will be patched automatic
ally.
service/react-e-commerce-service configured
hemanath@ubuntu:~/capstone$ minikube start
minikube v1.35.0 on Ubuntu 18.04
Using the docker driver based on existing profile

The requested memory allocation of 2200MiB does not leave room for system overhead (total system memory: 2923MiB). You may face stability issues.
Suggestion: Start minikube with less memory allocated: 'minikube start --memory=2200mb'

Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Updating the running docker "minikube" container ...
Falling to connect to https://registry.k8s.io/ from both inside the minikube container and host machine
To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
hemanath@ubuntu:~/capstone$ minikube start
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Activities Terminal Thu 03:01 hemanath@ubuntu: ~/capstone

Enabled addons: storage-provisioner, default-storageclass
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
hemanath@ubuntu:~/capstone$ cd ..
hemanath@ubuntu:~$ nano deployment.yml
hemanath@ubuntu:~$ kubectl apply -f mydeployment.yml
error: the path "mydeployment.yml" does not exist
hemanath@ubuntu:~$ kubectl apply -f deployment.yml
deployment.apps/nginx-deployment created
hemanath@ubuntu:~$ cd capstone
hemanath@ubuntu:~/capstone$ kubectl create deployment react-e-commerce --image=hemanathb/ecommerce:latest --replicas=latest^C
hemanath@ubuntu:~/capstone$ kubectl create deployment react-e-commerce --image=hemanathb/ecommerce:latest --replicas=latest
error: invalid argument "latest" for "-r, --replicas" flag: strconv.ParseInt: parsing "latest": invalid syntax
See 'kubectl create deployment --help' for usage.
hemanath@ubuntu:~/capstone$ kubectl create deployment react-e-commerce --image=hemanathb/ecommerce:latest --replicas=2
error: invalid argument "eplicas=2" for "-r, --replicas" flag: strconv.ParseInt: parsing "eplicas=2": invalid syntax
See 'kubectl create deployment --help' for usage.
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME                                READY    STATUS    RESTARTS   AGE
nginx-deployment-58cdc7b878-b7tlx   1/1      Running   0           40m
nginx-deployment-58cdc7b878-jzbdv   1/1      Running   0           40m
nginx-deployment-58cdc7b878-ljk9v   1/1      Running   0           40m
hemanath@ubuntu:~/capstone$ kubectl create deployment react-e-commerce --image=hemanathb/ecommerce:latest --replicas=2
deployment.apps/react-e-commerce created
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME                                READY    STATUS    RESTARTS   AGE
nginx-deployment-58cdc7b878-b7tlx   1/1      Running   0           41m
nginx-deployment-58cdc7b878-jzbdv   1/1      Running   0           41m
nginx-deployment-58cdc7b878-ljk9v   1/1      Running   0           41m
react-e-commerce-8599bd44c5-5j10g   0/1      ContainerCreating   0           3s
react-e-commerce-8599bd44c5-f486v   0/1      ContainerCreating   0           3s
hemanath@ubuntu:~/capstone$ kubectl get services
NAME             TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes       ClusterIP   10.96.0.1     <none>          443/TCP           25h
react-e-commerce NodePort    10.111.116.30 <none>          80:30007/TCP     100m
hemanath@ubuntu:~/capstone$ curl localhost:30007
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Activities Terminal Thu 04:40 hemanath@ubuntu: ~/capstone

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curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ sudo ufw status
[sudo] password for hemanath:
Status: inactive
hemanath@ubuntu:~/capstone$ sudo ufw enable
Firewall is active and enabled on system startup
hemanath@ubuntu:~/capstone$ curl localhost:30007
curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ curl localhost:30007^C
hemanath@ubuntu:~/capstone$ minikube ip
! Executing "docker container inspect minikube --format={{.State.Status}}" took an unusually long time: 2.495804376s
! Restarting the docker service may improve performance.
192.168.49.2
hemanath@ubuntu:~/capstone$ ^C
hemanath@ubuntu:~/capstone$ ^C
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-deployment-58cdc7b878-b7tlx 1/1 Running 0 75m
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 75m
nginx-deployment-58cdc7b878-ljk9v 1/1 Running 0 75m
react-ecommerce-8589bd44c5-5jj8g 1/1 Running 0 34m
react-ecommerce-8589bd44c5-f486v 1/1 Running 0 34m
hemanath@ubuntu:~/capstone$ kubectl delete pod nginx-deployment-58cdc7b878-ljk9v
pod "nginx-deployment-58cdc7b878-ljk9v" deleted
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-deployment-58cdc7b878-b7tlx 1/1 Running 0 78m
nginx-deployment-58cdc7b878-d9w6m 1/1 Running 0 39s
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 78m
react-ecommerce-8589bd44c5-5jj8g 1/1 Running 0 37m
react-ecommerce-8589bd44c5-f486v 1/1 Running 0 37m
hemanath@ubuntu:~/capstone$ kubectl set image deployment/nginx-deployment nginx-container=nginx:1.19
deployment.apps/nginx-deployment image updated
hemanath@ubuntu:~/capstone$ kubectl expose deployment nginx-deployment --type=NodePort --port=80
service/nginx-deployment exposed
hemanath@ubuntu:~/capstone$
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Activities Terminal Thu 04:49 hemanath@ubuntu: ~/capstone

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 26h
nginx-deployment NodePort 10.111.79.107 <none> 80:32707/TCP 4m44s
react-ecommerce-service NodePort 10.111.116.30 <none> 80:30007/TCP 3h30m
hemanath@ubuntu:~/capstone$ minikube ip
! Executing "docker container inspect minikube --format={{.State.Status}}" took an unusually long time: 12.380071803s
! Restarting the docker service may improve performance.
192.168.49.2
hemanath@ubuntu:~/capstone$ curl 192.168.49.2
curl: (7) Failed to connect to 192.168.49.2 port 80: Connection refused
hemanath@ubuntu:~/capstone$ curl 192.168.49.2:32707
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
body {
width: 35em;
margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif;
}
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
hemanath@ubuntu:~/capstone$
```

