

root@Ubuntu: /home/vboxuser



vboxuser@Ubuntu:~\$ su

Password:

root@Ubuntu:/home/vboxuser# mkdir task3

root@Ubuntu:/home/vboxuser# cd task3

root@Ubuntu:/home/vboxuser/task3# git clone https://github.com/Jervinjeno/E-Commerce

Cloning into 'E-Commerce'...

remote: Enumerating objects: 43, done.

remote: Counting objects: 100% (43/43), done.

remote: Compressing objects: 100% (37/37), done.

remote: Total 43 (delta 10), reused 37 (delta 4), pack-reused 0 (from 0)

Receiving objects: 100% (43/43), 722.22 KiB | 236.00 KiB/s, done.

Resolving deltas: 100% (10/10), done.

root@Ubuntu:/home/vboxuser/task3# docker build -t ecommerce:latest .

[+] Building 0.1s (1/1) FINISHED

docker:default

=> [internal] load build definition from Dockerfile

0.0s

=> => transferring dockerfile: 2B

0.0s

ERROR: failed to solve: failed to read dockerfile: open Dockerfile: no such file or directory

root@Ubuntu:/home/vboxuser/task3# cd e-commere

bash: cd: e-commere: No such file or directory

root@Ubuntu:/home/vboxuser/task3# ls

E-Commerce

root@Ubuntu:/home/vboxuser/task3# cd e-commerce

bash: cd: e-commerce: No such file or directory

root@Ubuntu:/home/vboxuser/task3# cd E-Commerce

root@Ubuntu:/home/vboxuser/task3/E-Commerce# docker build -t ecommerce:latest .

[+] Building 22.3s (7/7) FINISHED

docker:default

=> [internal] load build definition from Dockerfile

0.0s

=> => transferring dockerfile: 276B

0.0s

=> [internal] load metadata for docker.io/library/nginx:latest

3.4s

=> [internal] load .dockerignore

0.0s

=> => transferring context: 2B

0.0s

=> [internal] load build context

0.3s

=> => transferring context: 2.61MB

0.2s

=> [1/2] FROM docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19

18.1s

=> => resolve docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19

0.1s

=> => sha256:53a18edff8091d5faff1e42b4d885bc5f0f897873b0b8f0ace236cd5930819b0 8.58kB / 8.58kB

0.0s

=> => sha256:5eaa34f5b9c2a13ef2217ceb966953dfd5c3a21a990767da307be1f57e5a1e4f 43.95MB / 43.95MB

14.3s

=> => sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19 10.27kB / 10.27kB

0.0s

=> => sha256:54809b2f36d0ff38e8e5362b0239779e4b75c2f19ad70ef047ed050f01506bb4 2.29kB / 2.29kB

0.0s

=> => sha256:417c4bccf5349be7cd4ba91b1a2077ecf0ab50b3831bb071ba31f2c8bac02ed1 627B / 627B

1.0s

root@Ubuntu: /home/vboxuser

```
=> => exporting layers 0.1s
=> => writing image sha256:94221113ee40c424bda7bb965dbf9a69ae3dfeedf1ea04b3992a9ebe5a4e067c 0.0s
=> => naming to docker.io/library/ecommerce:latest 0.0s
```

root@Ubuntu:/home/vboxuser/task3/E-Commerce# docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ecommerce	latest	94221113ee40	57 seconds ago	195MB
gokulravi26/my-app	latest	82e5c8319ceb	24 hours ago	145MB
github_app	latest	82e5c8319ceb	24 hours ago	145MB
<none>	<none>	622c0f36ca91	24 hours ago	145MB
<none>	<none>	3a65be04050e	24 hours ago	145MB
<none>	<none>	7dd9ca2e70e7	24 hours ago	145MB
my-python-app	v1.0	e5c6a5c1e33b	33 hours ago	135MB
postgres	alpine	0150e3200277	3 weeks ago	278MB
hello-world	latest	74cc54e27dc4	8 weeks ago	10.1kB
gcr.io/k8s-minikube/kicbase	v0.0.46	e72c4cbe9b29	2 months ago	1.31GB
redis	alpine	8f5c54441eb9	2 months ago	41.4MB

root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yml

error: error validating "deployment.yml": error validating data: failed to download openapi: Get "https://192.168.49.2:8443/openapi/v2?timeout=32s": dial tcp 192.168.49.2:8443: connect: no route to host; if you choose to ignore these errors, turn validation off with --validate=false

root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube status

minikube
type: Control Plane
host: Stopped
kubelet: Stopped
apiserver: Stopped
kubeconfig: Stopped

root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube start

😊 minikube v1.35.0 on Ubuntu 22.04 (vbox/amd64)
🌟 Using the docker driver based on existing profile
💡 The "docker" driver should not be used with root privileges. If you wish to continue as root, use --force.
If you are running minikube within a VM, consider using --driver=none:
<https://minikube.sigs.k8s.io/docs/reference/drivers/none/>
💡 Tip: To remove this root owned cluster, run: sudo minikube delete

❌ Exiting due to DRV_AS_ROOT: The "docker" driver should not be used with root privileges.

root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube status
minikube

root@Ubuntu: /home/vboxuser/task3/E-Commerce



If you are running minikube within a VM, consider using `--driver=none`:
<https://minikube.sigs.k8s.io/docs/reference/drivers/none/>
Using Docker driver with root privileges
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Creating docker container (CPUs=2, Memory=2200MB) ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
■ 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

root@Ubuntu:/home/vboxuser# minikube status
minikube

type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

root@Ubuntu:/home/vboxuser# cd task3

root@Ubuntu:/home/vboxuser/task3# cd E-Commerce

root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube image load ecommerce:latest

root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yml

deployment.apps/react-ecommerce-deployment created

root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get deployment

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
react-ecommerce-deployment	2/2	2	2	23s

root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get ods

Command 'kubectl' not found, did you mean:

command 'kubectl' from snap kubectl (1.32.3)

See 'snap info <snapname>' for additional versions.

root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get pods

Command 'kubectl' not found, did you mean:

command 'kubectl' from snap kubectl (1.32.3)

See 'snap info <snapname>' for additional versions.

root@Ubuntu:/home/vboxuser/task3/E-Commerce#

root@Ubuntu: /home/vboxuser/task3/E-Commerce

```
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
■ 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
root@Ubuntu:/home/vboxuser# minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

root@Ubuntu:/home/vboxuser# cd task3
root@Ubuntu:/home/vboxuser/task3# cd E-Commerce
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube image load ecommerce:latest
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yml
deployment.apps/react-ecommerce-deployment created
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get deployment
NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
react-ecommerce-deployment          2/2      2              2            23s
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get ods
Command 'kubectl' not found, did you mean:
  command 'kubectl' from snap kubectl (1.32.3)
See 'snap info <snapname>' for additional versions.
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get pods
Command 'kubectl' not found, did you mean:
  command 'kubectl' from snap kubectl (1.32.3)
See 'snap info <snapname>' for additional versions.
root@Ubuntu:/home/vboxuser/task3/E-Commerce# git pull
Already up to date.
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get pods
NAME                                READY    STATUS    RESTARTS    AGE
react-ecommerce-deployment-849768b4c6-9pscx    1/1      Running   0            4m28s
react-ecommerce-deployment-849768b4c6-cws95    1/1      Running   0            4m28s
root@Ubuntu:/home/vboxuser/task3/E-Commerce#
```


root@Ubuntu: /home/vboxuser/task3/E-Commerce

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube image load ecommerce:latest
```

```
^C
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube image load ecommerce:latest
```

```
^C
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
react-ecommerce-deployment-849768b4c6-9psc	1/1	Running	1 (10m ago)	51m
react-ecommerce-deployment-849768b4c6-cws95	1/1	Running	1 (10m ago)	51m

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yaml
```

```
error: the path "deployment.yaml" does not exist
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yml\
```

```
> kubectl apply -f deployment.yml^C
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f deployment.yml
```

```
deployment.apps/react-ecommerce-deployment unchanged
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube service react-ecommerce-service
```

✗ Exiting due to SVC_NOT_FOUND: Service 'react-ecommerce-service' was not found in 'default' namespace. You may select another namespace by using 'minikube service react-ecommerce-service -n <namespace>'. Or list out all the services using 'minikube service list'

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube service react-ecommerce-service
```

✗ Exiting due to SVC_NOT_FOUND: Service 'react-ecommerce-service' was not found in 'default' namespace. You may select another namespace by using 'minikube service react-ecommerce-service -n <namespace>'. Or list out all the services using 'minikube service list'

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# kubectl apply -f Nodeport.yaml
```

```
service/react-ecommerce-service created
```

```
root@Ubuntu:/home/vboxuser/task3/E-Commerce# minikube service react-ecommerce-service
```

NAMESPACE	NAME	TARGET PORT	URL
default	react-ecommerce-service	80	http://192.168.49.2:30007

```
🌐 Opening service default/react-ecommerce-service in default browser...
```

(gio open:10901): GLib-GIO-CRITICAL **: 10:02:58.026: g_dbus_connection_flush: assertion 'G_IS_DBUS_CONNECTION (connection)' failed [10906:10906:0320/100258.592016:ERROR:zygote_host_impl_linux.cc(105)] Running as root without --no-sandbox is not supported. See https://crbug.com/638180.

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