```
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl apply -f ganache-deployment.yaml
deployment.apps/ganache created
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl apply -f ganache-service.yaml
service/ganache created
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl apply -f dapp-deployment.yaml
deployment.apps/dapp created
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl apply -f react-deployment.yaml
deployment.apps/react created
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl apply -f react-service.yaml
service/react created
PS E:\Amaan Vahora\BCDV-4032\Lab4>
```

```
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl get pods
NAME                                         READY   STATUS                   RESTARTS        AGE
dapp-65fdc95c66-q89rc                        0/1     ContainerCreating        0               2m3s
ganache-7fc8fbfbc4-dgvb6                     1/1     Running                  0               2m34s
mongo-express-deployment-b88f6d45f-wmw4d     0/1     CreateContainerConfigError  0            5d19h
mongodb-stateful-set-0                       0/1     CreateContainerConfigError  0            5d21h
nginx-deployment-5f4f55f467-6v9dh            1/1     Running                  2 (24m ago)     5d21h
nginx-deployment-5f4f55f467-mbxr7            1/1     Running                  2 (24m ago)     5d21h
nginx-deployment-5f4f55f467-wv5rl            1/1     Running                  2 (24m ago)     5d21h
nginx-nvpv2                                  1/1     Running                  2 (24m ago)     5d22h
note-deployment-74cc946cd8-2hc6d            1/1     Running                  5 (22m ago)     5d19h
note-deployment-74cc946cd8-88rm2            1/1     Running                  5 (22m ago)     5d20h
note-server-deployment-6fb5fcb67f-2qhdm     0/1     CreateContainerConfigError  0            5d20h
note-server-deployment-6fb5fcb67f-xncg7     0/1     CreateContainerConfigError  0            5d20h
react-689f46c46c-ffwht                       0/1     ContainerCreating        0               106s
web-0                                        0/1     Pending                  0               5d22h
```

```
PS E:\Amaan Vahora\BCDV-4032\Lab4> kubectl get services
NAME                    TYPE           CLUSTER-IP       EXTERNAL-IP    PORT(S)           AGE
ganache                 ClusterIP      10.106.248.20    <none>         8545/TCP          3m36s
kubernetes              ClusterIP      10.96.0.1        <none>         443/TCP           5d22h
mongo-express-service   LoadBalancer   10.106.82.114    <pending>      8081:30648/TCP    5d19h
mongodb-service         ClusterIP      10.108.145.224   <none>         27017/TCP         5d20h
note-server-service     ClusterIP      10.108.249.251   <none>         5000/TCP          5d20h
note-service            LoadBalancer   10.110.51.39     <pending>      3000:31125/TCP    5d20h
react                   ClusterIP      10.103.40.245    <none>         3000/TCP          2m41s
PS E:\Amaan Vahora\BCDV-4032\Lab4>
```

```
PS E:\Amaan Vahora\BCDV-4032\Lab4> minikube service react
|-----------|-------|--------------|--------------|
| NAMESPACE | NAME  | TARGET PORT  |     URL      |
|-----------|-------|--------------|--------------|
| default   | react |              | No node port |
|-----------|-------|--------------|--------------|
    service default/react has no node port
    Starting tunnel for service react.
|-----------|-------|--------------|-------------------------|
| NAMESPACE | NAME  | TARGET PORT  |          URL            |
|-----------|-------|--------------|-------------------------|
| default   | react |              | http://127.0.0.1:57206  |
|-----------|-------|--------------|-------------------------|
    Opening service default/react in default browser...
!   Because you are using a Docker driver on windows, the terminal needs to be open to run it.
```

Screenshot 1 — Kubernetes Dashboard (Workload Status)

127.0.0.1:57774/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?namespace=default

kubernetes — default — Search

Workloads

- Workloads N
  - Cron Jobs
  - Daemon Sets
  - Deployments
  - Jobs
  - Pods
  - Replica Sets
  - Replication Controllers
  - Stateful Sets
- Service
  - Ingresses N
  - Ingress Classes
  - Services N
- Config and Storage
  - Config Maps N
  - Persistent Volume Claims N
  - Secrets N
  - Storage Classes

Workload Status

Deployments — Running: 3
Pods — Running: 3
Replica Sets — Running: 3

Deployments

Name	Images	Labels	Pods	Created ↑	
● react	schadokar/eth-react:1.0.0	io.kompose.service: react	1 / 1	26 minutes ago	⋮
● dapp	schadokar/eth-server:1.0.0	io.kompose.service: dapp	1 / 1	26 minutes ago	⋮
● ganache	schadokar/eth-ganache:1.0.0	io.kompose.service: ganache	1 / 1	26 minutes ago	⋮

Screenshot 2 — Kubernetes Dashboard (Deployments & Pods)

127.0.0.1:57774/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?namespace=default

kubernetes — default — Search

Workloads

- Workloads N
  - Cron Jobs
  - Daemon Sets
  - Deployments
  - Jobs
  - Pods
  - Replica Sets
  - Replication Controllers
  - Stateful Sets
- Service
  - Ingresses N
  - Ingress Classes
  - Services N
- Config and Storage
  - Config Maps N
  - Persistent Volume Claims N
  - Secrets N
  - Storage Classes

Deployments

Name	Images	Labels	Pods	Created ↑	
● react	schadokar/eth-react:1.0.0	io.kompose.service: react	1 / 1	26 minutes ago	⋮
● dapp	schadokar/eth-server:1.0.0	io.kompose.service: dapp	1 / 1	26 minutes ago	⋮
● ganache	schadokar/eth-ganache:1.0.0	io.kompose.service: ganache	1 / 1	26 minutes ago	⋮

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑	
● react-689f46c46c-lzrjp	schadokar/eth-react:1.0.0	io.kompose.network/lab4-default: true / io.kompose.service: react / pod-template-hash: 689f46c46c	minikube	Running	0	-	-	26 minutes ago	⋮
● dapp-65fdc95c66-qrfjw	schadokar/eth-server:1.0.0	io.kompose.network/lab4-default: true / io.kompose.service: dapp	minikube	Running	0	-	-	26 minutes ago	⋮

set message

Set Message
Get Message
Compile Contract
Deploy Contract

Contract compiled successfully!

set message

Set Message
Get Message
Compile Contract
Deploy Contract

0x9573D395b773De57140d11dFc190252Ae1149E50

Hello Amaan here !

Set Message
Get Message
Compile Contract
Deploy Contract

0x7c3848b8993f4b3d77d48ff9b1ff0f6dab317a7dcb5ecceebb33f39a469b0b9f

Hello Amaan here !

Set Message
Get Message
Compile Contract
Deploy Contract

Hello Amaan here !