

Lab4 Screenshots

```
● sufiyanmemon@Sufiyans-Air Lab4 % minikube start
🐳 minikube v1.32.0 on Darwin 13.4 (arm64)
🌟 Using the docker driver based on existing profile
👍 Starting control plane node minikube in cluster minikube
📡 Pulling base image ...
🔄 Updating the running docker "minikube" container ...
🔧 Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
🔍 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
```

```
● sufiyanmemon@Sufiyans-Air Lab4 % kompose convert
INFO Kubernetes file "dapp-service.yaml" created
INFO Kubernetes file "ganache-service.yaml" created
INFO Kubernetes file "react-service.yaml" created
INFO Kubernetes file "dapp-deployment.yaml" created
INFO Kubernetes file "ganache-deployment.yaml" created
INFO Kubernetes file "react-deployment.yaml" created
○ sufiyanmemon@Sufiyans-Air Lab4 %
```

```
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f ganache-deployment.yaml
deployment.apps/ganache created
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f ganache-service.yaml
service/ganache created
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f dapp-deployment.yaml
deployment.apps/dapp created
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f dapp-service.yaml
service/dapp created
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f react-deployment.yaml
deployment.apps/react created
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f react-service.yaml
service/react created
```

```
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
dapp-65fdc95c66-qrfjw	1/1	Running	0	45s
ganache-7fc8fbfbc4-r6fq2	1/1	Running	0	68s
react-689f46c46c-lzrjp	1/1	Running	0	29s

```
● sufiyanmemon@Sufiyans-Air Lab4 % kubectl get services
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
dapp	ClusterIP	10.100.234.243	<none>	4000/TCP	45s
ganache	ClusterIP	10.97.122.19	<none>	8545/TCP	62s
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	84m
react	ClusterIP	10.99.233.173	<none>	3000/TCP	29s

```
sufiyanmemon@Sufiyans-Air Class % kubectl port-forward service/dapp 4000:4000
Forwarding from 127.0.0.1:4000 -> 4000
Forwarding from [::1]:4000 -> 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
```

```
sufiyanmemon@Sufiyans-Air 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://127.0.0.1:65122

🌐 Opening service default/react in default browser...

! Because you are using a Docker driver on darwin, the terminal needs to be open to run it.

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

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

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

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

kubernetes

default

Search

Workloads

Workloads

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Classes

Services

Config and Storage

Config Maps

Persistent Volume Claims

Secrets

Storage Classes

Deployments

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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-qrfiw	schadokar/eth-server:1.0.0	io.kompose.network/lab4-default: true io.kompose.service: dapp	minikube	Running	0	-	-	26 minutes ago

127.0.0.1:65122

set message

Set Message

Get Message

Compile Contract

Deploy Contract

Contract compiled successfully!



