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Lab-4

The screenshot displays a development environment with a code editor and a Kubernetes dashboard.

Code Editor (VS Code):

- Explorer:** Shows a project structure with folders like `docker-ethereum`, `client`, `server`, and `web3.js`.
- Terminal:** Displays the output of `docker build` commands. The first build is for `ganache-service:v1`, and the second is for `ganache-server`. Both builds are successful.
- Output:** Shows the progress of the Docker build process, including image layer creation and pushing to the registry.

Kubernetes Dashboard (minikube):

- Overview:** Shows a list of pods, including `ganache-569c9756-zxbt5`.
- Pod Details:** Shows the details of the `ganache-569c9756-zxbt5` pod, including its namespace, container, and logs.

Kubernetes Dashboard

Message App

Repositories | Docker Hub

http://127.0.0.1:5000

Darshhhhhhhhh Here

Set Message

Get Message

Compile Contract

Deploy Contract

Darshhhhhhhhh Here

Network

Application

Console

Elements

Sources

Performance

Preserve log

Disable cache

No throttling

Filter

Invert

Hide data URLs

Hide extension URLs

All

Doc

JS

Fetch/XHR

CSS

Font

Img

Media

Manifest

WS

Warm

Other

Blocked response cookies

Blocked requests

3rd-party requests

20000 ms

40000 ms

60000 ms

80000 ms

100000 ms

120000 ms

Name	Status	Size	Time	Waterfall
compile	200	268 B	11.34 s	
deploy	200	279 B	643 ms	
localhost	(failed)...	0 B	292 ms	
localhost	200	303 B	474 ms	
localhost	200	256 B	35 ms	

5 / 6 requests | 1.1 kB / 1.1 kB transferred | 158 B / 158 B resources

Kubernetes Dashboard

Message App

Repositories | Docker Hub

http://127.0.0.1:5000

set message

Set Message

Get Message

Compile Contract

Deploy Contract

0xC858cb2644f59857281a325066255f275875b9bC

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Other

Blocked response cookies

Blocked requests

3rd-party requests

20000 ms

40000 ms

60000 ms

80000 ms

100000 ms

120000 ms

140000 ms

160000 ms

Name	Status	Size	Time	Waterfall
compile	200	268 B	11.34 s	
deploy	200	279 B	643 ms	

2 requests | 547 B transferred | 73 B resources

Kubernetes Dashboard

Message App

Repositories | Docker Hub

http://127.0.0.1:5000

set message

Set Message

Get Message

Compile Contract

Deploy Contract

Contract compiled successfully!

Network

Application

Console

Elements

Sources

Performance

Filter

All

Doc

JS

Fetch/XHR

CSS

Font

Img

Media

Manifest

WS

Warm

Other

Blocked requests

3rd-party requests

2000 ms

4000 ms

6000 ms

8000 ms

10000 ms

12000 ms

Name

Status

Size

Time

Waterfall

compile

200

268 B

11.34 s

1 requests

268 B transferred

31 B resources

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Mostly cloudy

Kubernetes Dashboard

Message App

Repositories | Docker Hub

https://hub.docker.com/repositories/darshh

dockerhub

Explore

Repositories

Organizations

Search Docker Hub

Create repository

darshh

Search by repository name

All Content

darshh / client

Contains: Image | Last pushed: 1 minute ago

Inactive

0

1

Public

darshh / server

Contains: Image | Last pushed: 12 minutes ago

Inactive

0

1

Public

darshh / ganache

Contains: Image | Last pushed: 12 minutes ago

Inactive

0

1

Public

darshh / lab-1-new

Contains: Image | Last pushed: 12 days ago

Inactive

0

3

Public

darshh / lab_1

Contains: No content | Created: 12 days ago

Inactive

0

0

Public

https://hub.docker.com/repositories/darshh

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Kubernetes Dashboard

Message App

Repositories | Docker Hub

https://hub.docker.com/repositories/darshh

dockerhub

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darshh / client

Contains: Image | Last pushed: 1 minute ago

Inactive

0

1

Public

darshh / server

Contains: Image | Last pushed: 12 minutes ago

Inactive

0

1

Public

darshh / ganache

Contains: Image | Last pushed: 12 minutes ago

Inactive

0

1

Public

darshh / lab-1-new

Contains: Image | Last pushed: 12 days ago

Inactive

0

3

Public

darshh / lab_1

Contains: No content | Created: 12 days ago

Inactive

0

0

Public

minikube

Cron Jobs

Config

Config Maps

Secrets

Resource Quotas

Limit Ranges

Horizontal Pod Autoscalers

Vertical Pod Autoscalers

Pod Disruption Budgets

Priority Classes

Runtime Classes

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Mutating Webhook Configs

Validating Webhook Configs

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Endpoints

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Ingress Classes

Network Policies

Port Forwarding

Storage

Namespaces

Events

Helm

Access Control

Custom Resources

Security Center

Services

8 items

All namespaces

Name	Namespace	Type	Cluster IP	Ports	External IP	Selector	Age	Status
kubernetes	default	ClusterIP	10.96.0.1	443:8443/TCP	-		14m	Active
kube-dns	kube-system	ClusterIP	10.96.0.10	53/UDP, 53/TCP	-	k8s-app=kube-dns	14m	Active
dashboard-metrics-scraper	kubernetes-dashboard	ClusterIP	10.110.120.18	8000/TCP	-	k8s-app=dashboard-metrics-scraper	8m7s	Active
kubernetes-dashboard	kubernetes-dashboard	ClusterIP	10.104.231.17	80:9090/TCP	-	k8s-app=dashboard	8m7s	Active
mongodb-service	default	ClusterIP	10.108.35.147	27017/TCP	-	app=mongo	3m19s	Active
ganache	default	ClusterIP	10.111.83.204	8545/TCP	-	app=ganache	2m26s	Active
client	default	LoadBalancer	10.109.38.115	5000:32749/TCP	127.0.0.1	app=client	2m12s	Active
server	default	LoadBalancer	10.109.121.16	4000:31026/TCP	127.0.0.1	app=server	111s	Active

Secrets

5 items

Name	Namespace
bootstrap-token-qztt5d	kube-system
kubernetes-dashboard-certs	kubernetes-dashboard
kubernetes-dashboard-csf	kubernetes-dashboard
kubernetes-dashboard-key-holder	kubernetes-dashboard
mongodb-secret	default

Secret: mongodb-secret

Properties

Created3m 7s ago2024-01-24T20:23:09-05:00

Namemongodb-secret

Namespacedefault

Annotationskubernetes.io/last-applied-configuration={"apiVersion":"v1", ...}

TypeOpaque

Data

passwordcGFzc3dvcmQ=

usernamecm9vdA==

Save

Events

No events found

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Support

Local Dashboard

08:26 PM 24-01-2024

Cluster

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Replica Sets

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All namespaces

Name	Namespace	Desired	Current	Ready	Age	
server-6d87f5589	default	2	2	2	83s	
kubernetes-dashboard-8694d4445c	kubernetes-dashboard	1	1	1	7m32s	
ganache-569c9c756	default	1	1	1	2m34s	
dashboard-metrics-scraper-7fd5cb4ddc	kubernetes-dashboard	1	1	1	7m32s	
coredns-5dd5756b68	kube-system	1	1	1	14m	
client-5c7667877	default	1	1	1	103s	

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Support

Link

Support

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Stateful Sets

1 Item

All namespaces

Name	Namespace	Pods	Replicas	Age	
mongodb-stateful-set	default	2/2	2	2m26s	

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Support

Link

Support

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6 Items

All namespaces

Name	Namespace	Pods	Replicas	Age	Conditions	
server	default	2/2	2	59s	Available Progressing	
client	default	1/1	1	79s	Available Progressing	
ganache	default	1/1	1	2m10s	Available Progressing	
coredns	kube-system	1/1	1	13m	Available Progressing	
dashboard-metrics-scraper	kubernetes-dashboard	1/1	1	7m8s	Available Progressing	
kubernetes-dashboard	kubernetes-dashboard	1/1	1	7m8s	Available Progressing	

Deployment note-server-deployment

Support LDK Snapped

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