EXAMEN MLOPS Cedric Lagrou

# #1 & #2

Docker-compose runt de frontend pop 5050 & backend op poort 8080

A screenshot of a computer

Description automatically generated with medium confidence

Je kan er ook aan via localhost, maar resultaat hiervan is best bizar, dus ben ik naar de volgende stappen: github actions gegaan door tijdsnood

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

# #3 docker build & push via github actions naar ghcr bij trigger main branch

Code in automation.yml, die zorgt voor een image build van frontend en backend en plaatst deze in mijn ghcr

A screenshot of a computer

Description automatically generated

Pipeline succes:

A screenshot of a computer

Description automatically generated

# #4 kubernetes

Alle yaml files ( mapje kubernetes ) via kubectl apply -n exam-nathansegers-f ‘path’ toegevoegd

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Port forward service with: kubectl port-forward -n exam-nathansegers service/svcfrontend 80:80

# #5 kubectl

Creating namespace:

* Kubectl create namespace exam-nginx

Creating deployment met een yaml:

* Kubectl apply -f kubernetes/nginx\_deploy.yaml

Scale naar 3

* kubectl scale -n exam-nginx --replicas=3 deployment/nginx-lagrou-cedric

A screenshot of a computer

Description automatically generated

Change image

* kubectl set image -n exam-nginx deployment/nginx-lagrou-cedric nginx-lagrou-cedric=nathansegers/vue-docker:v2.0.0

A screenshot of a computer

Description automatically generated

Nodeport:

* kubectl create service nodeport -n exam-nginx svcnginx --tcp='80:80'

Delete Svc & deploy

* kubectl delete deploy -n exam-nginx nginx-lagrou-cedric
* kubectl delete svc -n exam-nginx svcnginx