LSC

Lab 6 Hieronim Koc

HELM

```
htroinitro:-/studia/senestr_8/LSC/lab65 helm repo add nfs-gamesha-server-and-external-provisioner https://kubernetes-sigs.github.lo/nfs-gamesha-server-and-external-provisioner/
nfs-gamesha-server-and-external-provisioner" already exists with the same configuration, skipping
Hang tight while we grab the latest from your chart repositories...
..Successfully got an update from the "infs-gamesha-server-and-external-provisioner" chart repository
..Successfully got an update from the "kvapa" chart repository
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```

(without name is standard nfs storageClassName)

PVC

hiro@Hiro:~/studia/semestr_8/LSC/lab6\$ kubectl get pvc										
NAME	STATUS	VOLUME	CAPACITY	ACCESS MODES	STORAGECLASS	VOLUMEATTRIBUTESCLASS	AGE			
nfs-pvc	Bound	pvc-e6a13931-d953-475c-9108-fbdd6714371c	1Gi	RWX	nfs	<unset></unset>	38s			

DEMPLOYEMENT

```
hiro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl apply -f nginx-deployment.yaml
deployment.apps/nginx-deployment created
hiro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl get pods
NAME
                                     READY
                                             STATUS
                                                       RESTARTS
                                                                   AGE
                                             Running
                                     1/1
                                                                   3m33s
my-nfs-nfs-server-provisioner-0
                                                       0
nginx-deployment-765d599b8f-658rl
                                     1/1
                                             Running
                                                       0
                                                                   13s
```

SERVICE (LB)

There has to be Security Group allow TCP traffic

```
hiro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl get svc nginx-service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
nginx-service NodePort 10.100.205.145 <none> 80:30080/TCP 5m7s

htro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl get svc nginx-service
NAME TYPE CLUSTER-IP EXTERNAL-IP
nginx-service LoadBalancer 10.100.205.145 ab47773196bd24c5b8551728d8d01369-1833705006.us-east-1.elb.amazonaws.com 80:30080/TCP 8m26s
```

JOB

```
hiro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl apply -f populate-job.yaml job.batch/populate-web-content created hiro@Hiro:~/studia/semestr_8/LSC/lab6$ kubectl get jobs

NAME STATUS COMPLETIONS DURATION AGE populate-web-content Complete 1/1 4s 6s
```

HTTP WEBSITE



LSC NFC testing!

PODS

hiro@Hiro:~/studia/semestr_8/LSC/lab6\$ kubectl get pods									
NAME	READY	STATUS	RESTARTS	AGE					
my-nfs-nfs-server-provisioner-0	1/1	Running	0	8m18s					
nginx-deployment-765d599b8f-658rl	1/1	Running	0	4m58s					
populate-web-content-pz4sw	0/1	Completed	0	3m11s					

DIAGRAM

