Домашна 6 - Kubernetes (Intro)

1. kubectl version --client

```
marko@Marko-PC MINGW64 ~
$ kubectl version --client
Client Version: v1.32.2
Kustomize Version: v5.5.0
```

2. choco install k3d

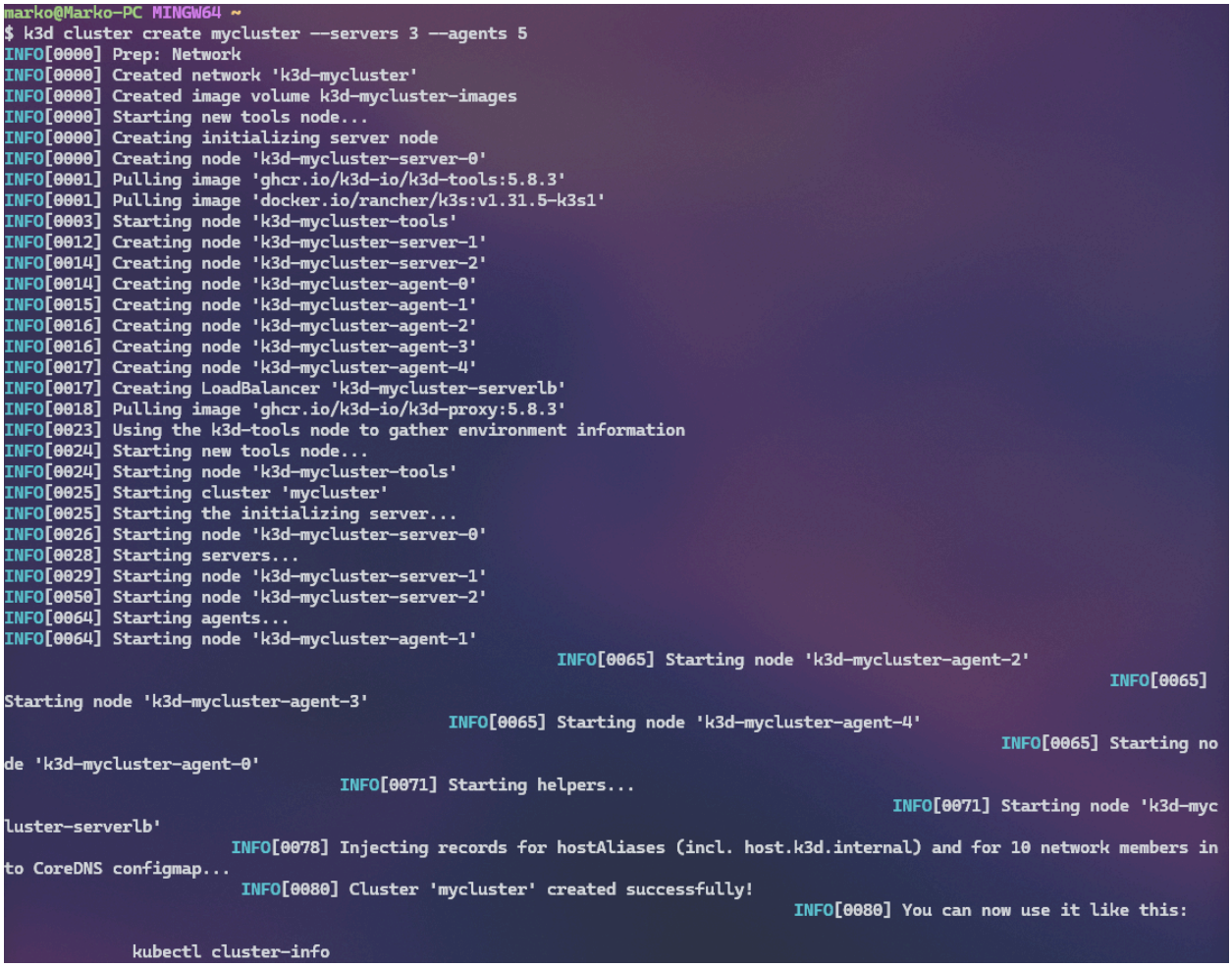
```
PS C:\WINDOWS\system32> choco install k3d
Chocolatey v2.4.3
Installing the following packages:
k3d
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'

k3d v5.8.3 [Approved]
k3d package files install completed. Performing other installation steps.
 ShimGen has successfully created a shim for k3d.exe
 The install of k3d was successful.
  Deployed to 'C:\ProgramData\chocolatey\lib\k3d'

Chocolatey installed 1/1 packages.
 See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

Did you know the proceeds of Pro (and some proceeds from other
 licensed editions) go into bettering the community infrastructure?
 Your support ensures an active community, keeps Chocolatey tip-top,
 plus it nets you some awesome features!
 https://chocolatey.org/compare
```

3. k3d cluster create mycluster --servers 3 --agents 5



4. k3d node list

5. kubectl get pods --all-namespaces

```
marko@Marko-PC MINGW64 ~
$ kubectl get nodes --all-namespaces
E0511 00:25:15.563266   17108 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://host.docker.internal:55345/api?timeout=32s\": dial tcp 192.168.0.101:55345: connectex: No connection could be made because the target machine actively refused it."
```

6. k3d cluster delete mycluster

```
marko@Marko-PC MINGW64 ~
$ k3d cluster delete mycluster
INFO[0000] Deleting cluster 'mycluster'
INFO[0011] Deleting cluster network 'k3d-mycluster'
INFO[0012] Deleting 1 attached volumes...
INFO[0012] Removing cluster details from default kubeconfig...
INFO[0012] Removing standalone kubeconfig file (if there is one)...
INFO[0012] Successfully deleted cluster mycluster!
```

7. k3d cluster list

```
marko@Marko-PC MINGW64 ~
$ k3d cluster list
NAME   SERVERS   AGENTS   LOADBALANCER
```