Class Assignment / Homework VII

- Create a nginx image with static content
- Upload to Dockerhub
- Create a Pod manifest that implements that image
- Deploy the Pod to your cluster
- Watch it being deployed

Create a nginx image with static content

bojan@bojan-VirtualBox:~\$ mkdir lab7 bojan@bojan-VirtualBox:~\$ cd lab7

bojan@bojan-VirtualBox:~/lab7\$ mkdir nginx-static-content bojan@bojan-VirtualBox:~/lab7\$ cd nginx-static-content

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ mkdir html bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ cd html

bojan@bojan-VirtualBox:~/lab7/nginx-static-content/html\$ nano index.html bojan@bojan-VirtualBox:~/lab7/nginx-static-content/html\$ cd ..

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ nano Dockerfile

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker build -t ristov211151/nginx-static:01.

[sudo] password for bojan:

DEPRECATED: The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit: https://docs.docker.com/go/buildx/

Sending build context to Docker daemon 3.072kB

Step 1/2: FROM nginx

latest: Pulling from library/nginx b0a0cf830b12: Pull complete 4d84de5fb9b2: Pull complete 2818b7b6a9db: Pull complete 1e5314d67f16: Pull complete 8066e07ce4f2: Pull complete 05f7109fea9e: Pull complete e58cbd904f7f: Pull complete

Digest: sha256:32e76d4f34f80e479964a0fbd4c5b4f6967b5322c8d004e9cf0cb81c93510766

Status: Downloaded newer image for nginx:latest

---> 1d668e06f1e5

Step 2/2 : COPY ./html /usr/share/nginx/html ---> b2ef7267d6f9

Successfully built b2ef7267d6f9
Successfully tagged ristov211151/nginx-static:01

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ristov211151/nginx-static 01 b2ef7267d6f9 20 seconds ago 188MB nginx latest 1d668e06f1e5 6 days ago 188MB ghcr.io/k3d-io/k3d-tools 5.6.3 3e61fe13415d 4 weeks ago 20.2MB ghcr.io/k3d-io/k3d-proxy 5.6.3 2f9ac4724f73 4 weeks ago 61.2MB jenkins_jenkins-blueocean latest f30effc73eef 5 weeks ago 752MB rancher/k3s v1.28.8-k3s1 4356e3133013 6 weeks ago 206MB docker dind 432fb9e24d70 7 weeks ago 356MB jenkins/jenkins 2.440.2-jdk17 2371da23064a 7 weeks ago 462MB

```
GNU nano 6.2 index.html *

<hr/>
<hr/>
<hr/>
<hr/>
<hr/>
<hr/>
<h2>Bojan@bojan-VirtualBox: ~/lab7/nginx-static-content/html

index.html *

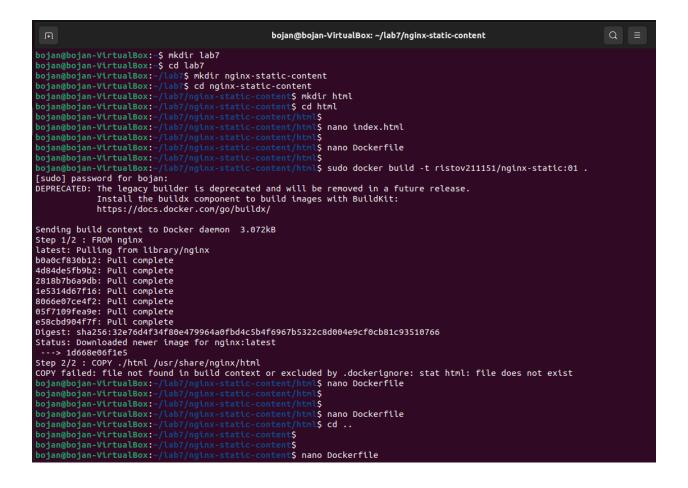
<hr/>
<h2>Bojan Ristov - 211151</h2>
<h2>End of static content</h2>
```

```
bojan@bojan-VirtualBox: ~/lab7/nginx-static-content/html

GNU nano 6.2

FROM nginx

COPY ./html /usr/share/nginx/html
```



```
nt$ sudo docker build -t ristov211151/nginx-static:01 .
            ian-VirtualBox:
                 The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit:

https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 4.608kB
Step 1/2 : FROM nginx
---> 1d668e06f1e5
Step 2/2 : COPY ./html /usr/share/nginx/html
---> b2ef7267d6f9
Successfully built b2ef7267d6f9
Successfully tagged ristov211151/nginx-static:01
                                                                         t$ docker images
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/json": dial unix /var/run/docker.sock: connect: permission denied
                                                                         t$ sudo docker images
                                                                 IMAGE ID
b2ef7267d6f9
REPOSITORY
                                                                                       CREATED
ristov211151/nginx-static
                                                                                       20 seconds ago
6 days ago
                                                                                                                 188MB
                                                                 1d668e06f1e5
ghcr.io/k3d-io/k3d-tools
ghcr.io/k3d-io/k3d-proxy
jenkins_jenkins-blueocean
                                                                                        4 weeks ago
                                         5.6.3
5.6.3
                                                                 3e61fe13415d
                                                                                                                 20.2MB
                                                                                        4 weeks ago
                                                                 2f9ac4724f73
                                                                                                                61.2MB
                                                                                        5 weeks ago
 rancher/k3s
                                         v1.28.8-k3s1
                                                                 4356e3133013
                                                                                       6 weeks ago
                                                                                                                206MB
docker
                                         dind
                                                                 432fb9e24d70
                                                                                        7 weeks ago
                                                                                                                 356MB
jenkins/jenkins
                                          2.440.2-jdk17
```

Upload to Dockerhub

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker login

Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.

Username: ristov211151

Password:

WARNING! Your password will be stored unencrypted in /root/.docker/config.json.

Configure a credential helper to remove this warning. See

https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker tag ristov211151/nginx-static:01 ristov211151/nginx-static:01

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker push ristov211151/nginx-static:01

The push refers to repository [docker.io/ristov211151/nginx-static]

090f68ef68c1: Pushed

b80974699bdb: Mounted from library/nginx 3f69a32a2b31: Mounted from library/nginx d75fd41110a4: Mounted from library/nginx 2e0d92876e9f: Mounted from library/nginx a8a738834a4d: Mounted from library/nginx bf6cd01dee5e: Mounted from library/nginx

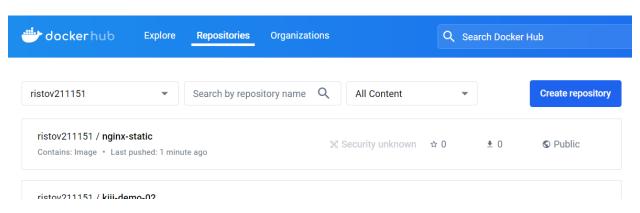
52ec5a4316fa: Mounted from library/nginx

01: digest: sha256:a60d98eb037d862c159f30a5a67061eb8a4436261ce2925dc9b79b70757220e6 size: 1985

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker images

REPOSITORY TAG **IMAGE ID CREATED** SIZE ristov211151/nginx-static 01 b2ef7267d6f9 13 minutes ago 188MB latest 1d668e06f1e5 6 days ago 188MB ghcr.io/k3d-io/k3d-tools 5.6.3 3e61fe13415d 4 weeks ago 20.2MB ghcr.io/k3d-io/k3d-proxy 5.6.3 2f9ac4724f73 4 weeks ago 61.2MB jenkins_jenkins-blueocean latest f30effc73eef 5 weeks ago 752MB rancher/k3s v1.28.8-k3s1 4356e3133013 6 weeks ago 206MB docker dind 432fb9e24d70 7 weeks ago jenkins/jenkins 2.440.2-jdk17 2371da23064a 7 weeks ago 462MB

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker login Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.co m to create one. Username: ristov211151 Password: WARNING! Your password will be stored unencrypted in /root/.docker/config.json. Configure a credential helper to remove this warning. See https://docs.docker.com/engine/reference/commandline/login/#credentials-store					
Login Succeeded bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker tag ristov211151/nginx-static:01 ristov211151/nginx-static:01 bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo docker push ristov211151/nginx-static:01 The push refers to repository [docker.io/ristov211151/nginx-static]					
090f68ef68c1: Pushed b80974699bdb: Mounted from library/nginx					
3f69a32a2b31: Mounted from library/nginx d75fd41110a4: Mounted from library/nginx					
2e0092876e9f: Mounted from library/nginx a8a738834a4d: Mounted from library/nginx bf6cd01dee5e: Mounted from library/nginx					
bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$					
bojan@bojan-VirtualBox:~/la					
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE	
ristov211151/nginx-static nginx		b2ef7267d6f9 1d668e06f1e5	13 minutes ago 6 days ago	188MB 188MB	
ahcr.io/k3d-io/k3d-tools		3e61fe13415d	4 weeks ago	20.2MB	
ghcr.io/k3d-io/k3d-proxy		2f9ac4724f73		61.2MB	
jenkins jenkins-blueocean		f30effc73eef	5 weeks ago	752MB	
rancher/k3s	v1.28.8-k3s1	4356e3133013	6 weeks ago	206MB	
docker		432fb9e24d70	7 weeks ago	356MB	
jenkins/jenkins 2.440.2-jdk17 2371da23064a 7 weeks ago 462MB bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$					



Create a Pod manifest that implements that image

Deploy the Pod to your cluster

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ nano pod.yaml

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo k3d cluster create newCluster

INFO[0000] Prep: Network

INFO[0000] Created network 'k3d-newCluster'

INFO[0000] Created image volume k3d-newCluster-images

INFO[0000] Starting new tools node...

INFO[0000] Starting node 'k3d-newCluster-tools'

INFO[0001] Creating node 'k3d-newCluster-server-0'

INFO[0001] Creating LoadBalancer 'k3d-newCluster-serverlb'

INFO[0002] Using the k3d-tools node to gather environment information

INFO[0003] HostIP: using network gateway 172.20.0.1 address

INFO[0003] Starting cluster 'newCluster'

INFO[0003] Starting servers...

INFO[0003] Starting node 'k3d-newCluster-server-0'

INFO[0015] All agents already running.

INFO[0015] Starting helpers...

INFO[0015] Starting node 'k3d-newCluster-serverlb'

INFO[0023] Injecting records for hostAliases (incl. host.k3d.internal) and for 2 network members into CoreDNS configmap...

INFO[0025] Cluster 'newCluster' created successfully!

INFO[0025] You can now use it like this:

kubectl cluster-info

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo kubectl cluster-info

Kubernetes control plane is running at https://0.0.0.0:33261

CoreDNS is running at https://0.0.0.0:33261/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

Metrics-server is running at https://0.0.0.0:33261/api/v1/namespaces/kube-system/services/https:metrics-server:https/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo kubectl apply -f pod.yaml pod/nginx-pod created

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo kubectl get pods

NAME READY STATUS RESTARTS AGE

nginx-pod 1/1 Running 0 71s

```
bojangbojan-VirtualBox:-/Lab7/nginx-static-content$ nano pod.yaml
bojangbojan-VirtualBox:-/Lab7/nginx-static-content$ sudo k3d cluster create newCluster
INFO[0000] Prep: Network
INFO[0000] Created network 'k3d-newCluster'
INFO[0000] Created inage volume k3d-newCluster-images
INFO[0000] Starting new tools node...
INFO[0000] Starting node 'k3d-newCluster-tools'
INFO[0001] Creating node 'k3d-newCluster-server-0'
INFO[0001] Creating LoadBalancer 'k3d-newCluster-serverb'
INFO[0001] Using the k3d-tools node to gather environment information
INFO[0002] Using the k3d-tools node to gather environment information
INFO[0003] Starting cluster 'newCluster'
INFO[0003] Starting servers...
INFO[0003] Starting servers...
INFO[0003] Starting node 'k3d-newCluster-server-0'
INFO[0
```

```
bojan@bojan-VirtualBox: ~/lab7/nginx-static-content

GNU nano 6.2 pod.yaml *

apriversion: v1
kind: Pod
metadata:
   name: nginx-pod
spec:
   containers:
   - name: nginx-container
   image: ristov211151/nginx-static:01
   ports:
   - containerPort: 80
```

```
bojan@bojan-VirtualBox:-/lab7/nginx-static-content$ sudo kubectl apply -f pod.yaml
pod/nginx-pod created
bojan@bojan-VirtualBox:-/lab7/nginx-static-content$ kubectl get pods
E0509 23:29:23.924703 7308 memcache.go:265] couldn't get current server API group list: Get "http://localhost:8080/api?timeout=32
s": dial tcp 127.0.0.1:8080: connect: connection refused
E0509 23:29:23.943012 7308 memcache.go:265] couldn't get current server API group list: Get "http://localhost:8080/api?timeout=32
s": dial tcp 127.0.0.1:8080: connect: connection refused
E0509 23:29:23.95594 7308 memcache.go:265] couldn't get current server API group list: Get "http://localhost:8080/api?timeout=32
s": dial tcp 127.0.0.1:8080: connect: connection refused
E0509 23:29:23.971414 7308 memcache.go:265] couldn't get current server API group list: Get "http://localhost:8080/api?timeout=32
s": dial tcp 127.0.0.1:8080: connect: connection refused
E0509 23:29:23.971414 7308 memcache.go:265] couldn't get current server API group list: Get "http://localhost:8080/api?timeout=32
s": dial tcp 127.0.0.1:8080: connect: connection refused
The connection to the server localhost:8080 was refused - did you specify the right host or port?
bojan@bojan-VirtualBox:-/lab7/nginx-static-content$
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 71s
bojan@bojan-VirtualBox:-/lab7/nginx-static-content$
```

```
$ sudo kubectl logs nginx-pod
bojangoojan-VirtualBox:~/(ab//nginx-static-contents) Sudo Kubecti logs nginx-pod /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Jaunching /docker-entrypoint.d/20-envsubst-on-termplates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
 /docker-entrypoint.sh: Configuration complete; ready for start up
2024/05/09 21:29:57 [notice] 1#1: using the "epoll" event method
2024/05/09 21:29:57 [notice] 1#1: nginx/1.25.5
2024/05/09 21:29:57 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2024/05/09 21:29:57 [notice] 1#1: OS: Linux 6.5.0-26-generic
                                                             1#1: getrlimit(RLIMIT_NOFILE): 1024:524288
2024/05/09 21:29:57
                                          [notice]
2024/05/09 21:29:57
                                                             1#1: start worker processes
                                           [notice]
2024/05/09 21:29:57
                                           [notice]
                                                             1#1: start worker process 29
2024/05/09 21:29:57
                                           [notice]
                                                             1#1: start worker process 30
                                                             1#1: start worker process
2024/05/09 21:29:57
                                           [notice]
2024/05/09 21:29:57 [notice] 2024/05/09 21:29:57 [notice]
                                                             1#1: start worker process 32
                                                             1#1: start worker process 33
2024/05/09 21:29:57 [notice] 1#1: start worker process 34
```

Watch it being deployed

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo kubectl logs nginx-pod

```
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/05/09 21:29:57 [notice] 1#1: using the "epoll" event method
2024/05/09 21:29:57 [notice] 1#1: nginx/1.25.5
2024/05/09 21:29:57 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2024/05/09 21:29:57 [notice] 1#1: OS: Linux 6.5.0-26-generic
2024/05/09 21:29:57 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1024:524288
2024/05/09 21:29:57 [notice] 1#1: start worker processes
2024/05/09 21:29:57 [notice] 1#1: start worker process 29
2024/05/09 21:29:57 [notice] 1#1: start worker process 30
2024/05/09 21:29:57 [notice] 1#1: start worker process 31
2024/05/09 21:29:57 [notice] 1#1: start worker process 32
2024/05/09 21:29:57 [notice] 1#1: start worker process 33
2024/05/09 21:29:57 [notice] 1#1: start worker process 34
```

```
bojan@bojan-VirtualBox:~/lab7/nginx-static-content$ sudo kubectl get pods --watch
```

NAME READY STATUS RESTARTS AGE nginx-pod 1/1 Running 0 6m2s

bojan@bojan-VirtualBox:~/lab7/nginx-static-content\$ sudo kubectl describe pod nginx-pod

Name: nginx-pod Namespace: default

Priority: 0

Service Account: default

Node: k3d-newcluster-server-0/<u>172.20.0.2</u> Start Time: Thu, 09 May 2024 23:28:55 +0200

Labels: <none>
Annotations: <none>
Status: Running
IP: 10.42.0.7

IPs:

IP: 10.42.0.7 Containers: nginx-container: Container ID:

containerd://116a9e219d3db9174bc5c21c2e854b95ae33a884571d43625f457f64b16d6e65

Image: ristov211151/nginx-static:01
Image ID: docker.io/ristov211151/nginx-

static@sha256:a60d98eb037d862c159f30a5a67061eb8a4436261ce2925dc9b79b70757220e6

Port: 80/TCP Host Port: 0/TCP State: Running

Started: Thu, 09 May 2024 23:29:56 +0200

Ready: True
Restart Count: 0
Environment: <none>

Mounts:

/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-6ztg9 (ro)

Conditions:

Type Status
Initialized True
Ready True
ContainersReady True
PodScheduled True

Volumes:

kube-api-access-6ztg9:

Type: Projected (a volume that contains injected data from multiple sources)

TokenExpirationSeconds: 3607

ConfigMapName: kube-root-ca.crt

ConfigMapOptional: <nil>
DownwardAPI: true

QoS Class: BestEffort

Node-Selectors: <none>

Tolerations: <u>node.kubernetes.io/not-ready:NoExecute</u> op=Exists for 300s

node.kubernetes.io/unreachable:NoExecute op=Exists for 300s

Events:

Type Reason Age From Message

---- ----- ---- -----

Normal Scheduled 6m49s default-scheduler Successfully assigned default/nginx-pod to k3d-

newcluster-server-0

Normal Pulling 6m46s kubelet Pulling image "ristov211151/nginx-static:01"

Normal Pulled 5m49s kubelet

Successfully pulled image "ristov211151/nginx-static:01" in

56.511s (56.511s including waiting)

Normal Created 5m49s kubelet Created container nginx-container
Normal Started 5m48s kubelet Started container nginx-container

```
bojan@bojan-VirtualBox:-/lab7/nginx-static-content$ sudo kubectl logs nginx-pod
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Lounching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/05/09 21:29:57 [notice] ##: using the "epoll" event method
2024/05/09 21:29:57 [notice] ##: built by gcc 12.2.0 (Debian 12.2.0-14)
2024/05/09 21:29:57 [notice] ##: start worker processes
2024/05/09 21:29:57 [notice] ##: start worker processes
2024/05/09 21:29:57 [notice] ##: start worker process 30
2024/05/09 21:29:57 [notice] ##: start worker process 31
2024/05/09 21:29:57 [notice] ##: start worker process 32
2024/05/09 21:29:57 [notice] ##: start worker process 33
2024/05/09 21:29:57 [notice] ##: start worker process 34
```

```
bojan@bojan-VirtualBox: ~/lab7/nginx-static-content
                                                                                                                                                                                                                   Q =
  bojan@bojan-VirtualBox:~/lab7/nginx-static-content$ sudo kubectl describe pod nginx-pod
                                  nginx-pod
default
 Name:
 Namespace:
  Priority:
  Service Account:
                                   default
                                   k3d-newcluster-server-0/172.20.0.2
Thu, 09 May 2024 23:28:55 +0200
  Node:
  Start Time:
  Labels:
                                    <none>
  Annotations:
                                   <none>
  Status:
                                   Running
                                    10.42.0.7
 IPs:
     IP: 10.42.0.7
  Containers:
     nginx-container:
                                      containerd://116a9e219d3db9174bc5c21c2e854b95ae33a884571d43625f457f64b16d6e65
         Container ID:
                                       ristov211151/nginx-static:01
          Image:
          Image ID:
                                       docker.io/ristov211151/nginx-static@sha256:a60d98eb037d862c159f30a5a67061eb8a4436261ce2925dc9b79b70757220e6
          Port:
                                       80/TCP
         Host Port:
                                       0/TCP
Running
          State:
                                        Thu, 09 May 2024 23:29:56 +0200
            Started:
         Ready:
Restart Count:
                                       True
                                     0
          Environment:
                                       <none>
          Mounts:
  /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-6ztg9 (ro) Conditions:
      Туре
                                       Status
      Initialized
                                       True
     Ready
ContainersReady
                                       True
                                       True
     PodScheduled
  Volumes:
     kube-api-access-6ztq9:
         Type:
TokenExpirationSeconds:
                                                        Projected (a volume that contains injected data from multiple sources)
                                                        3607
         ConfigMapName:
ConfigMapOptional:
                                                        kube-root-ca.crt
                                                        <nil>
          DownwardAPI:
                                                        true
 QoS Class:
                                                      BestEffort
 Node-Selectors:
Tolerations:
                                                      node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                                                      node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
 Events:
     Type
                   Reason
                                       Age
                                                    From
                                                                                       Message
                                                   default-scheduler Successfully assigned default/nginx-pod to k3d-newcluster-server-0 kubelet Pulling image "ristov211151/nginx-static:01" kubelet Successfully pulled image "ristov211151/nginx-static:01" in 56.511s (56.511s includin
     Normal
                   Scheduled 6m49s
                   Pulling
     Normal
                                        6m46s
                   Pulled
     Normal
                                        5m49s
 g waiting)
     Normal Created
Normal Started
                                        5m49s
                                                   kubelet
                                                                                      Created container nginx-container
Started container nginx-container
   oojan@bojan-VirtualBox:~/l
  bojan@bojan-VirtualBox:~/
bojangbojan-VirtualBox:-/lab//nginx-static-contents sudo kubectl logs nginx-pod /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/ /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh info: Getting the checksum of /etc/nginx/conf.d/default.conf 10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf /docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh /docker-entrypoint.sh: Configuration complete; ready for start up 2024/05/09 21:29:57 [notice] 1#1: using the "epoll" event method 2024/05/09 21:29:57 [notice] 1#1: pginx/1.25.5 2024/05/09 21:29:57 [notice] 1#1: Dilt by gcc 12.2.0 (Debian 12.2.0-14) 2024/05/09 21:29:57 [notice] 1#1: Stilnux 6.5.0-26-generic 2024/05/09 21:29:57 [notice] 1#1: start worker processes 2024/05/09 21:29:57 [notice] 1#1: start worker process 2024/05/09 21:29:57 [notice] 1#1: start worker process 30 2024/05/09 21:29:57 [notice] 1#1: start worker process 31
                                                                                           t$ sudo kubectl logs nginx-pod
 2024/05/09 21:29:57 [notice] 1#1: start worker process 31
2024/05/09 21:29:57 [notice] 1#1: start worker process 32
2024/05/09 21:29:57 [notice] 1#1: start worker process 33
 2024/05/09 21:29:57 [notice] 1#1: start worker process 34
                                                                                         nt$ sudo kubectl get pods --watch
  bojan@bojan-VirtualBox:
                       READY STATUS
                                                        RESTARTS
 nginx-pod
                                      Runnin
                                                                            7m13s
```

Изработил: Бојан Ристов (211151)