

JS306303 Lab12 DevOps

1. 2.

```
D:\Minkube\Minikube>minikube.exe dashboard
Enable colors error: Parametr jest niepoprawny.
* Enabling dashboard ...
  - Using image kubernetesui/dashboard:v2.1.0
  - Using image kubernetesui/metrics-scraper:v1.0.4
* Weryfikowanie statusu dashboardu...
* Launching proxy ...
* Weryfikowanie statusu proxy...
* Opening http://127.0.0.1:49764/api/v1/namespaces/kubernetes-dashboard/services
/http:kubernetes-dashboard:/proxy/ in your default browser...
```

Name	Namespace	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑
deltachat	default	app: deltachat	minikube	Running	0	-	-	20 minutes ago

Name	Namespace	Labels	Cluster IP	Internal Endpoints	External Endpoints	Created ↑
kubernetes	default	component: apiserver, provider: kubernetes	10.96.0.1	kubernetes:443 TCP, kubernetes:0 TCP	-	an hour ago

Upewniłem się że działa, dodatkowo zmieniłem motyw, bo ciemniejszy bardziej mi się podoba.

3. 4.

Stworzenie własnego deploymentu na podstawie strony do zapoznania się z zad3

```
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: deltachat-deployment
5    labels:
6      app: deltachat
7  spec:
8    replicas: 4
9    selector:
10     matchLabels:
11       app: deltachat
12   template:
13     metadata:
14       labels:
15         app: deltachat
16     spec:
17       containers:
18         - name: deltachat
19           image: xtensu/myjenkins-blueocean:latest
20           ports:
21             - containerPort: 8081
```

```
D:\Minkube\Minikube>kubectl apply -f deltachat-deployment.yaml
deployment.apps/deltachat-deployment created
```

6.

Deployments					
Name	Namespace	Labels	Pods	Created ↑	Images
deltachat-deployment	default	app: deltachat	4 / 4	24 seconds ago	xtensu/myjenkins-blueocean:latest

7.

```
D:\Minkube\Minikube>kubectl scale deployment.v1.apps/deltachat-deployment --replicas=10
deployment.apps/deltachat-deployment scaled

D:\Minkube\Minikube>kubectl get deploy
NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
deltachat-deployment              4/10     10             4            7m12s
```

Zmieniłem ilość replik jak pokazane na stronie z zad3

Deployments					
Name	Namespace	Labels	Pods	Created ↑	Images
deltachat-deployment	default	app: deltachat	10 / 10	8 minutes ago	xtensu/myjenkins-blueocean:latest

Potem zmieniłem plik lokalny i użyłem komendy z zad5, by sprawdzić jak się zachowa Kubernetes

```
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: deltachat-deployment
5    labels:
6      app: deltachat
7  spec:
8    replicas: 12
9    selector:
10     matchLabels:
11       app: deltachat
12    template:
13     metadata:
14       labels:
15         app: deltachat
16     spec:
17       containers:
18       - name: deltachat
19         image: xtensu/myjenkins-blueocean:latest
20         ports:
21         - containerPort: 8081
```

```
D:\Minkube\Minikube>kubectl apply -f deltachat-deployment.yaml
deployment.apps/deltachat-deployment configured
```

8.

Deployments					
Name	Namespace	Labels	Pods	Created ↑	Images
deltachat-deployment	default	app: deltachat	12 / 12	53 seconds ago	xtensu/myjenkins-blueocean:latest