

Module-8: Container Orchestration using Kubernetes Part - I

Demo Document - 5

edureka!

edureka!

© Brain4ce Education Solutions Pvt. Ltd.

DEMO-5: Scaling in Kubernetes

Scaling of the deployment can be done in 2 ways

1. First method requires you to edit the deployment yaml file

Change the replicas parameter and set it from 2 to 4

```
spec:
  selector:
    matchLabels:
      app: nginx
  replicas: 4
```

2. Now, apply the new configuration

Command: `kubectl apply -f nginx.yaml`

```
edureka@kmaster:~$ kubectl apply -f nginx.yaml
deployment.apps/nginx-deployment configured
```

3. To verify the deployment

Command: `kubectl get deployments`

```
edureka@kmaster:~$ kubectl get deployments
NAME                DESIRED   CURRENT   UP-TO-DATE   AVAILABLE   AGE
nginx-deployment    4         4         4            4           1h
```

similarly you can scale down the deployment by changing the number of replicas in the deployment yaml file

4. The second method directly increases/decreases the number of pods

Command: `kubectl scale deployment nginx-deployment --replicas=<replica_count>`

```
edureka@kmaster:~$ kubectl scale deployment nginx-deployment --replicas=2
deployment.extensions/nginx-deployment scaled
edureka@kmaster:~$ kubectl get deployments
NAME                DESIRED   CURRENT   UP-TO-DATE   AVAILABLE   AGE
nginx-deployment    2         2         2            2           1h
```