

## Kubernetes - 4

You have been asked to:

- Use the previous deployment
- Change the service type to clusterip

**KubectI edit svc <name of service>**

Find type part name it as “clusterIP” from “nodePort”

The screenshot shows a terminal window within the AWS Management Console. The terminal is running GNU nano 2.9.8 and editing a file named `nginx-service-nodeport.yaml`. The current content of the file is:

```
apiVersion: v1
kind: Service
metadata:
  name: nginx-service
spec:
  type: ClusterIP
  ports:
    - port: 80
      targetPort: 80
  selector:
    app: nginx
    environment: production
```

The cursor is positioned at the end of the `targetPort: 80` line. The terminal window is titled `i-08996824dd4ba8eb1 (K8sMaster)` and shows the public and private IP addresses of the instance. The AWS console interface is visible in the background, including the navigation menu and the top bar.

**You can observe that service is cluster ip now**

```
Start Course | Instances | EC2 Instance | Start Course | Instances | Untitled document | Untitled document | YouTube
https://aws-us-east-1.console.aws.amazon.com/ec2-instance-console?region=us-east-1&sortType=standard&instanceId=i-08996824d4dbabeb7&profile=ec2-user&port=22v/
[AWS]
[ec2-user@ip-172-31-01-112 ~]$ nano nginx-service-nodeport.yaml
[ec2-user@ip-172-31-01-112 ~]$ kubectl create -f nginx-service-nodeport.yaml
Error from server (AlreadyExists): error when creating "nginx-service-nodeport.yaml": services "nginx-service" already exists
[ec2-user@ip-172-31-01-112 ~]$ kubectl get svc
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP    PORT(S)          AGE
kubernetes                         ClusterIP            10.96.0.1        <none>         443/TCP           110m
nginx-service                       NodePort             10.109.248.148   80/TCP         105m
[ec2-user@ip-172-31-01-112 ~]$ nano nginx-service-nodeport.yaml
[ec2-user@ip-172-31-01-112 ~]$ kubectl delete -f nginx-service-nodeport.yaml
Error from server (AlreadyExists): error when deleting "nginx-service-nodeport.yaml": services "nginx-service" already exists
[ec2-user@ip-172-31-01-112 ~]$ kubectl delete service/nginx-service
service "nginx-service" deleted
[ec2-user@ip-172-31-01-112 ~]$ kubectl create -f nginx-service-nodeport.yaml
Error from server (Forbidden): error when creating "nginx-service-nodeport.yaml": Forbidden: User "system:anonymous" cannot create resources "services" in API group "core" at location /api/v1/services
[ec2-user@ip-172-31-01-112 ~]$ kubectl get svc
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP    PORT(S)          AGE
kubernetes                         ClusterIP            10.96.0.1        <none>         443/TCP           149m
nginx-service                       NodePort             10.101.247.16    <none>         80/TCP            7s
[ec2-user@ip-172-31-01-112 ~]$
```

i-08996824d4dbabeb7 (<K8Master>

PUBLIC IPs: 52.202.219.78    PRIVATE IP: 172.31.01.112