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You have been asked to:

- Use the previous deployment
- Create a service of type NodePort for nginx deployment
- Check the nodeport service on a browser to verify

Taks: 1 – Creation of NodePort service.

Command:

sudo nano assignment2.yaml

cat assignment2.yaml

apiVersion: v1

kind: Service

metadata:

 name: nginx_nodeport_service

spec:

 type: NodePort

 selector:

  app: nginx

 ports:

  - port: 80

   targetPort: 80

   nodePort: 30007

```
ubuntu@ip-172-31-7-253:~$ vi assignment2.yaml
ubuntu@ip-172-31-7-253:~$ cat assignment2.yaml
apiVersion: v1
kind: Service
metadata:
  name: nginx-nodeport-service
spec:
  type: NodePort
  selector:
    app: nginx
  ports:
    - port: 80
      targetPort: 80
      nodePort: 30007
ubuntu@ip-172-31-7-253:~$ []
```

i-0988b4b9aacdb96d3 (Master)

PublicIPs: 13.233.253.2   PrivateIPs: 172.31.7.253

kubectl apply -f assignment2.yaml

```
ubuntu@ip-172-31-7-253:~$ kubectl apply -f assignment2.yaml
service/nginx-nodeport-service created
ubuntu@ip-172-31-7-253:~$ []
```

i-0988b4b9aacdb96d3 (Master)

PublicIPs: 13.233.253.2   PrivateIPs: 172.31.7.253

Kubectl get svc

```
ubuntu@ip-172-31-7-253:~$ kubectl get svc
NAME                     TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
kubernetes               ClusterIP   10.96.0.1       <none>        443/TCP        39h
nginx-nodeport-service   NodePort    10.102.128.16   <none>        80:30007/TCP   26s
ubuntu@ip-172-31-7-253:~$ []
```

i-0988b4b9aacdb96d3 (Master)

PublicIPs: 13.233.253.2   PrivateIPs: 172.31.7.253

Taks: 2 – Testing nodeport service on internet.

Now will copy the public ip of any worker node followed by the nodeport and
will check the default nginx page is working.

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.

*********** THE END *********