

Module 7: Kubernetes Assignment2

1. Use the previous deployment
2. Create a service of type NodePort for NGINX deployment
3. Check the NodePort service on a browser to verify

- Using the previous deployment
- Created a manifest file to deploy a nodeport service to nginx deployment

```
ubuntu@k8-master:~$ cat assignment2.yml
apiVersion: v1
kind: Service
metadata:
  name: nodeport-service-assignment2
spec:
  type: NodePort
  selector:
    app: nginx
  ports:
    - port: 80
      nodePort: 30100
```

- Deployed the nodeport service to kubernetes service

```
ubuntu@k8-master:~$ vi assignment2.yml
ubuntu@k8-master:~$ kubectl apply -f assignment2.yml
service/nodeport-service-assignment2 created
```

- Listed the service in the cluster by \$ kubectl get svc

```
ubuntu@k8-master:~$ kubectl get svc
NAME                                TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes                         ClusterIP    10.96.0.1     <none>         443/TCP          102m
nodeport-service-assignment2       NodePort     10.105.91.254 <none>         80:30100/TCP     12s
```

- Successfully accessed nginx on 30100 nodeport

