

## Tasks To Be Performed:

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

1. Use the previous deployment

```
EKS $kubectl create deployment nginx --image=nginx --replicas=3
deployment.apps/nginx created
EKS $kubectl expose deployment nginx --type=LoadBalancer --port=80
service/nginx exposed
EKS $kubectl get deployment nginx
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
nginx     3/3     3            3           82s
EKS $
```

2. Create a service of type NodePort for NGINX deployment

```
kind: Service
metadata:
  name: nginx-nodeport-service
spec:
  type: NodePort
  selector:
    app: nginx
  ports:
    - port: 80
      targetPort: 80
      nodePort: 30080
```

```
EKS $kubectl get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
nginx     3/3     3            3           5m46s
EKS $vi nginx-nodeport.yaml
EKS $kubectl apply -f nginx-nodeport.yaml
service/nginx-nodeport-service created
EKS $kubectl get svc
NAME      TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
kubernetes ClusterIP   10.100.0.1       <none>            443/TCP      29m
nginx     LoadBalancer 10.100.20.13     af788c154bf1448d29284dbcc9f7501b-1109873422.ap-south-1.elb.amazonaws.com 80:30194/TCP 7m58s
nginx-nodeport-service NodePort      10.100.253.161   <none>            80:30080/TCP 13s
EKS $
```

3. Check the NodePort service on a browser to verify

← ↻ ⚠ Not secure 65.2.82.135:30080

## 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](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*