Module 7: Kubernetes Assignment -2

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

SOLUTION:

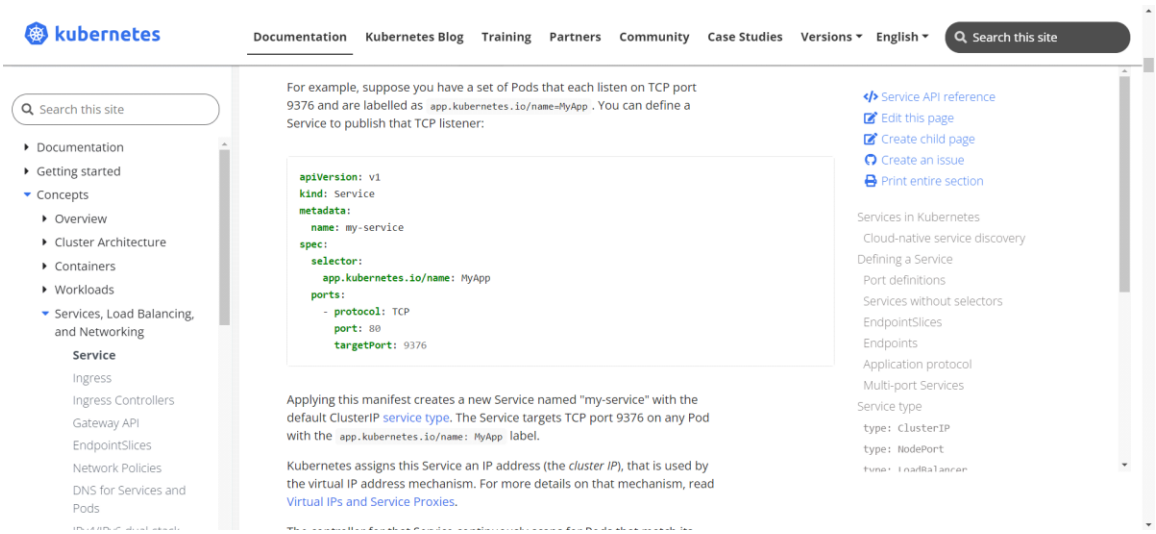
1. Use the previous deployment

2. Create a service of type NodePort for NGINX deployment

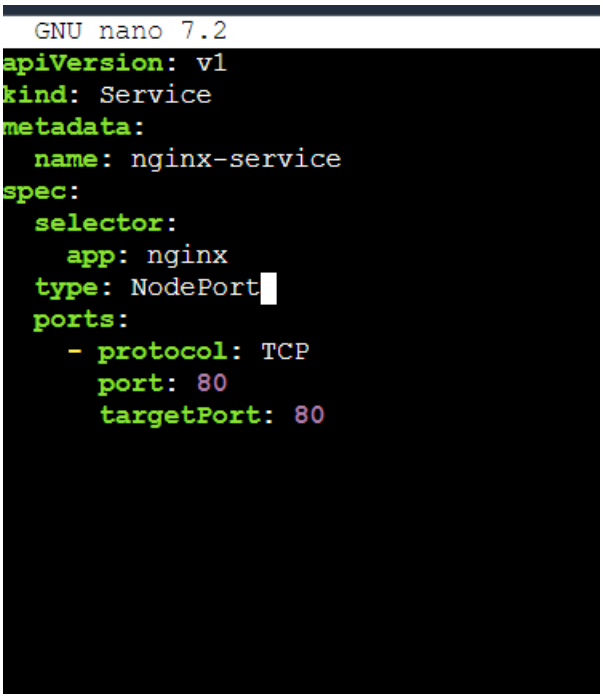
```
ubuntu@ip-172-31-4-255:~$ sudo nano nginx-service.yaml
```

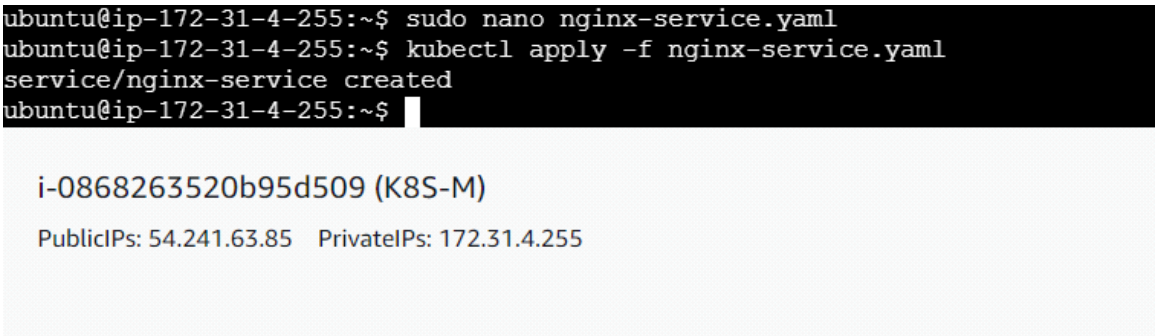
i-0868263520b95d509 (K8S-M)

PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255




aws
Services
Search
[Alt+S]
N. California
VaishnaviGolhar
GNU nano 7.2
nginx-service.yaml *
apiVersion: v1
kind: Service
metadata:
name: nginx-service
spec:
selector:
app: nginx
type: NodePort
ports:
- protocol: TCP
port: 80
targetPort: 80
Help
Write Out
Where Is
Cut
Execute
Location
Undo
Set Mark
To Bracket
Previous
Back
Exit
Read File
Replace
Paste
Justify
Go To Line
Redo
Copy
Where Was
Next
Forward
i-0868263520b95d509 (K8S-M)
PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255


GNU nano 7.2
apiVersion: v1
kind: Service
metadata:
name: nginx-service
spec:
selector:
app: nginx
type: NodePort
ports:
- protocol: TCP
port: 80
targetPort: 80


ubuntu@ip-172-31-4-255:~$ sudo nano nginx-service.yaml
ubuntu@ip-172-31-4-255:~$ kubectl apply -f nginx-service.yaml
service/nginx-service created
ubuntu@ip-172-31-4-255:~$
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PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255

```
ubuntu@ip-172-31-4-255:~$ kubectl get service
NAME            TYPE        CLUSTER-IP       EXTERNAL-IP   PORT(S)        AGE
kubernetes      ClusterIP   10.96.0.1        <none>        443/TCP        36m
nginx-service   NodePort    10.105.225.162   <none>        80:31083/TCP   30s
ubuntu@ip-172-31-4-255:~$
```

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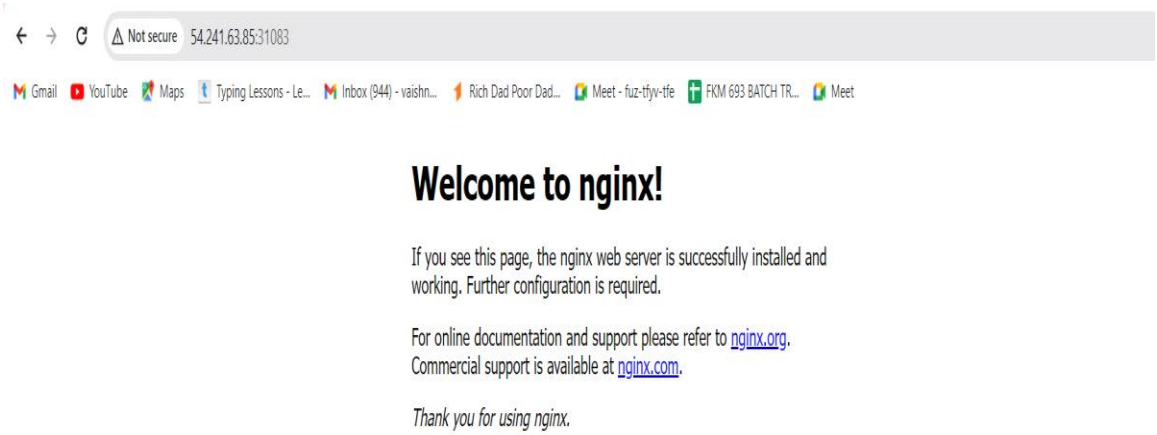
PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255

3. Check the NodePort service on a browser to verify




```
buntu@ip-172-31-4-255:~$ kubectl get svc nginx-service
AME            TYPE       CLUSTER-IP       EXTERNAL-IP   PORT(S)        AGE
ginx-service   NodePort   10.105.225.162   <none>        80:31083/TCP   3m8s
buntu@ip-172-31-4-255:~$
```

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