

Created EKS cluster with t3.micro 5 nodes

```
tamil@Aravind:~/kubetask$ kubectl get nodes
NAME                                STATUS    ROLES    AGE   VERSION
ip-192-168-4-156.ap-south-1.compute.internal Ready    <none>   71s   v1.32.9-eks-ecaa3a6
ip-192-168-43-193.ap-south-1.compute.internal Ready    <none>   69s   v1.32.9-eks-ecaa3a6
ip-192-168-43-228.ap-south-1.compute.internal Ready    <none>   70s   v1.32.9-eks-ecaa3a6
ip-192-168-69-137.ap-south-1.compute.internal Ready    <none>   71s   v1.32.9-eks-ecaa3a6
ip-192-168-90-41.ap-south-1.compute.internal Ready    <none>   71s   v1.32.9-eks-ecaa3a6
tamil@Aravind:~/kubetask$
```

Created deployment with nginx image

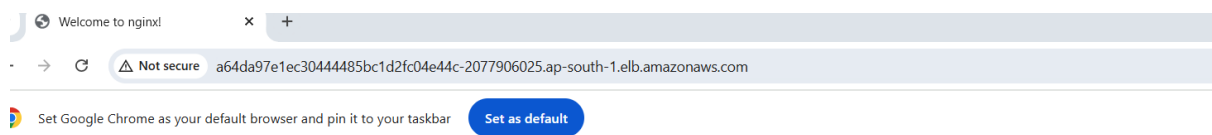
```
tamil@Aravind:~/kubetask$ kubectl create deployment nginx-deployment --image=nginx
deployment.apps/nginx-deployment created
tamil@Aravind:~/kubetask$ kubectl get deployments
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
nginx-deployment    1/1     1             1           24s
tamil@Aravind:~/kubetask$
```

```
tamil@Aravind:~/kubetask$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-6cfb98644c-rbgrp  1/1     Running   0           78s
tamil@Aravind:~/kubetask$
```

Created Loadbalancer service and exposed outside network

```
tamil@Aravind:~/kubetask$ kubectl get svc nginx-service
NAME      TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
nginx-service LoadBalancer  10.100.128.235   a64da97e1ec30444485bc1d2fc04e44c-2077906025.ap-south-1.elb.amazonaws.com 80:32316/TCP    12s
tamil@Aravind:~/kubetask$
```

Accessing application from browser



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.