

Create the K8s EKS,further you have to do the deployment of the Nginx application and access the application outside the cluster.

Created EKS Cluster service .Node UP& Running.

```
yugan@Yugan:~/Jenkindbuild$ kubectl get nodes
NAME                               STATUS   ROLES      AGE   VERSION
ip-192-168-46-165.ap-south-1.compute.internal   Ready    <none>    42m   v1.32.9-eks-ecaa3a6
ip-192-168-68-233.ap-south-1.compute.internal   Ready    <none>    42m   v1.32.9-eks-ecaa3a6
yugan@Yugan:~/Jenkindbuild$
```

Deployment Creation for Nginx

```
yugan@Yugan:~/Jenkindbuild$ kubectl create deployment nginx-deployment --image=nginx
deployment.apps/nginx-deployment created
yugan@Yugan:~/Jenkindbuild$
```

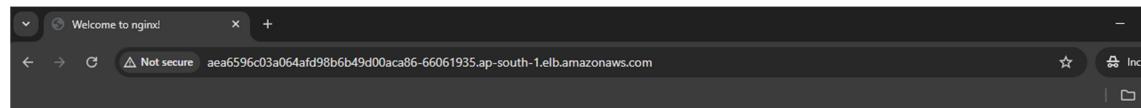
Pod Verification

```
yugan@Yugan:~/Jenkindbuild$ kubectl get pods
NAME                  READY   STATUS    RESTARTS   AGE
nginx-deployment-6cfb98644c-df9wd   1/1     Running   0          10m
yugan@Yugan:~/Jenkindbuild$
```

Exposed Load Balance in Port 80

```
yugan@Yugan:~/Jenkindbuild$ kubectl get service
NAME         TYPE      CLUSTER-IP   EXTERNAL-IP
kubernetes   ClusterIP  10.100.0.1   <none>
nginx-service LoadBalancer 10.100.19.179  aea6596c03a064af98b6b49d00aca86-66061935.ap-south-1.elb.amazonaws.com
P 4 8
```

Validated in External 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.