EXPERIMENT 4

MANORATH ITAL
D10A/19

Aim

To install Kubectl and execute Kubectl commands to manage the Kubernetes cluster and deploy Your First Kubernetes Application.

Steps

1) In your Kubernetes cluster check if all nodes are connected.

$ kubectl get nodes

2) Create deploy.yaml file

$ sudo nano deploy.yaml

3) Copy nginx-deployement.yaml file from Kubernetes site and paste in above file.

4) Create deployment

$ kubectl apply -f

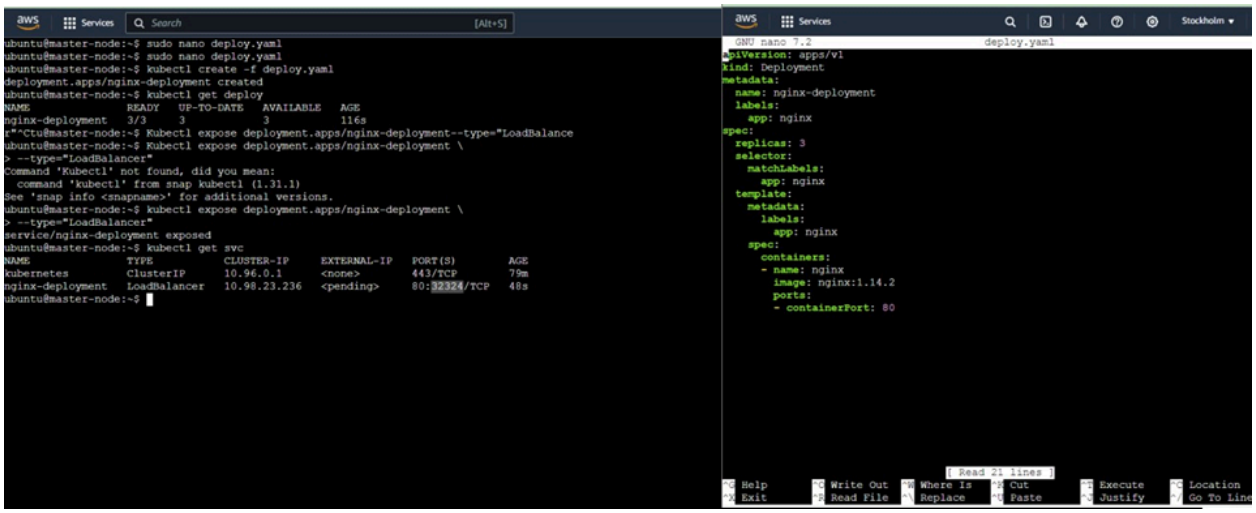
5) Check if deployment is created and all pods are running

$ kubectl get deploy.po

6) Expose the app to internet using load balancer service.

$ kubectl expose deployment.apps/nginx-deployment –type= ”load balancer”

7) Kubectl get svc



8) deployed our Nginx server on our EC2 instance.