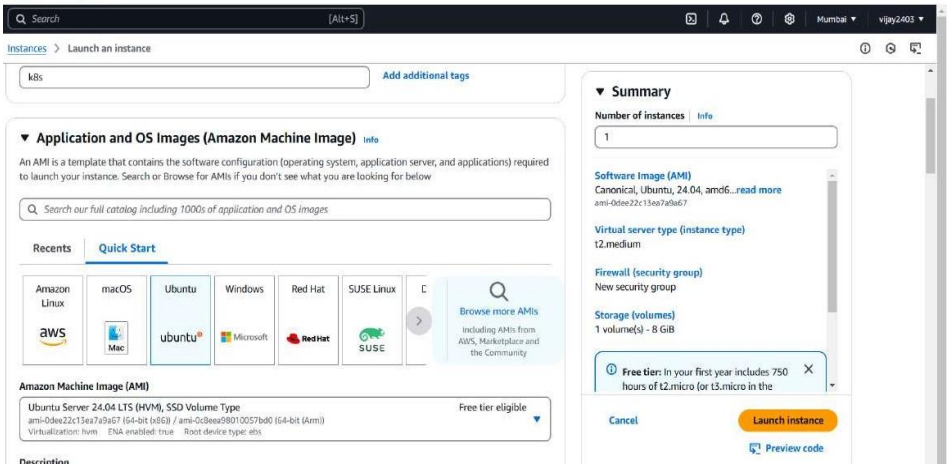
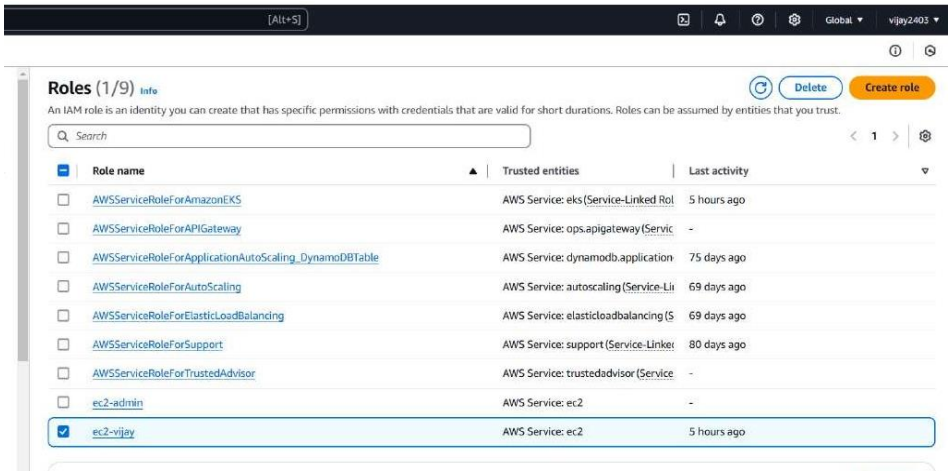
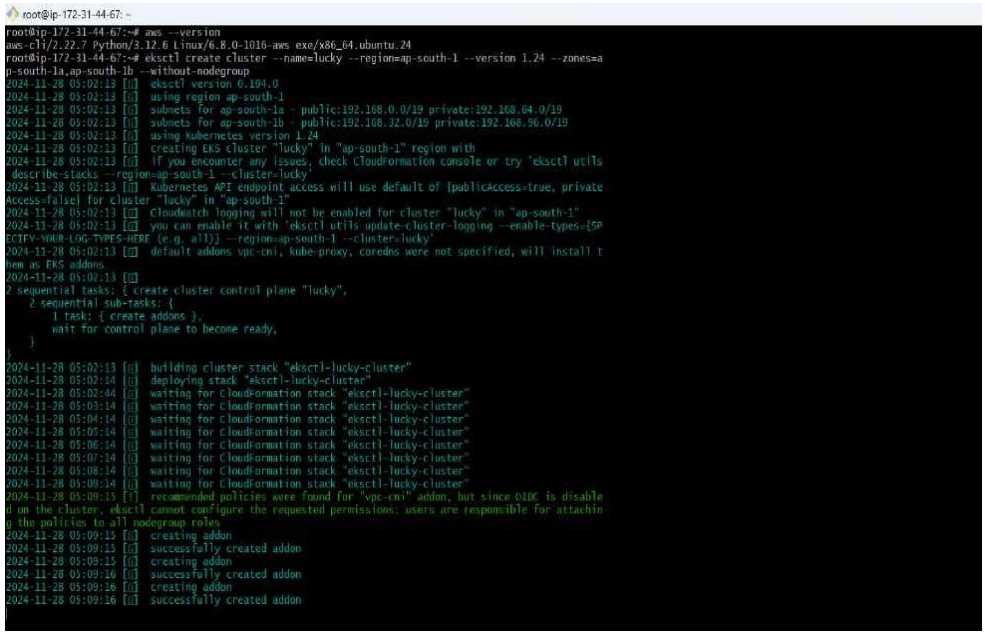
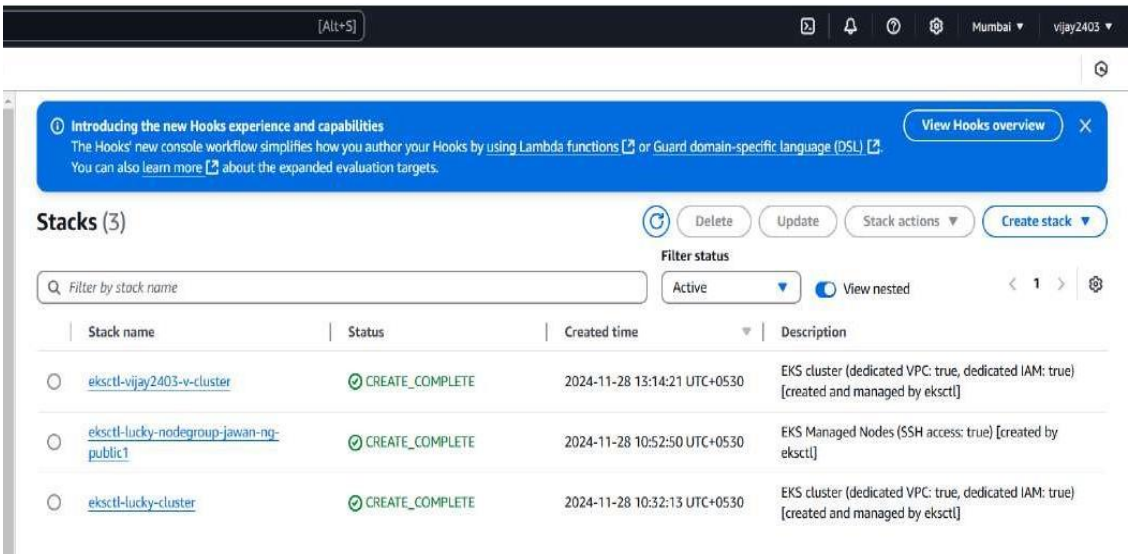
Deploy a simple web application(nginx) on Kubernetes



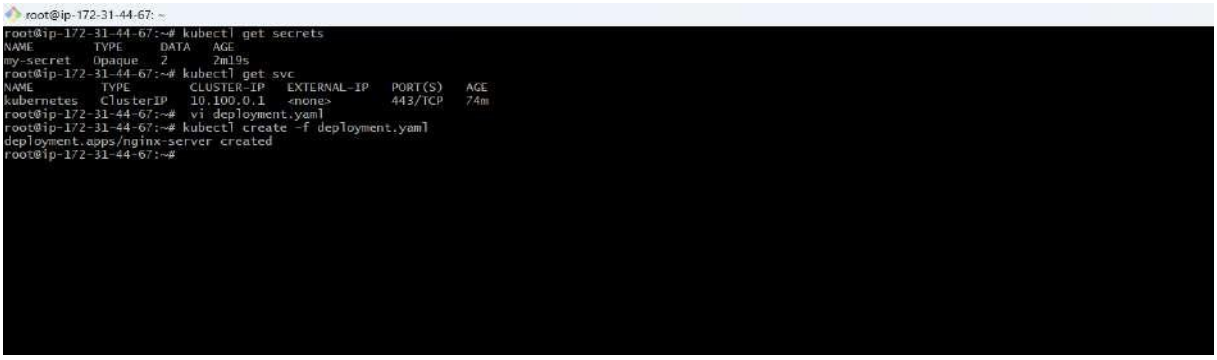


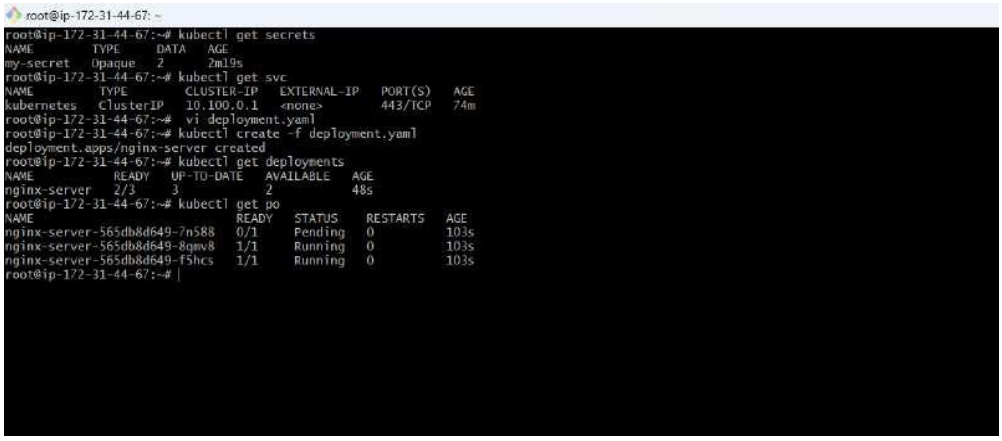


- **Firstly we Install the aws-cli version**
- **same as to Insatll the eksctl version and kubectl version**



root@ip-172-31-44-67: ~
root@ip-172-31-44-67:~# vi service.yaml
root@ip-172-31-44-67:~# kubectl create -f service.yaml
service/nginx-service created
root@ip-172-31-44-67:~#


root@ip-172-31-44-67: ~
root@ip-172-31-44-67:~# kubectl get secrets
NAME TYPE DATA AGE
my-secret Opaque 2 2m19s
root@ip-172-31-44-67:~# kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 74m
root@ip-172-31-44-67:~# vi deployment.yaml
root@ip-172-31-44-67:~# kubectl create -f deployment.yaml
deployment.apps/nginx-server created
root@ip-172-31-44-67:~#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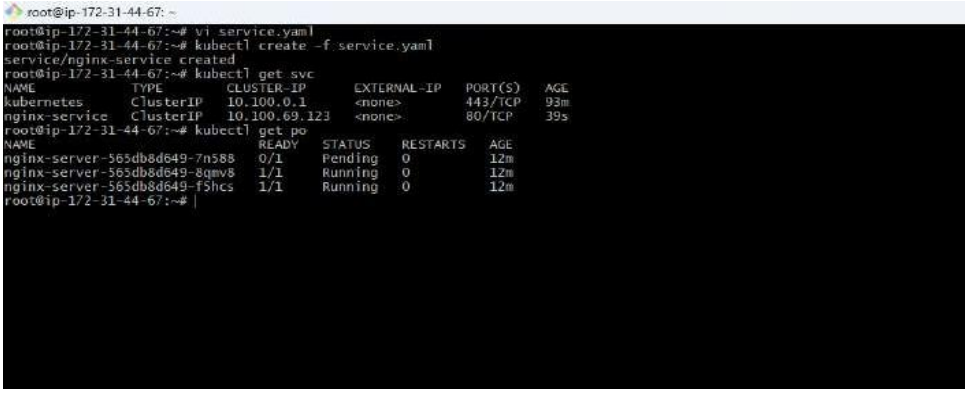
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 74m
root@ip-172-31-44-67:~# vi deployment.yaml
root@ip-172-31-44-67:~# kubectl create -f deployment.yaml
deployment.apps/nginx-server created
root@ip-172-31-44-67:~# kubectl get deployments
NAME READY UP-TO-DATE AVAILABLE AGE
nginx-server 2/3 3 2 48s
root@ip-172-31-44-67:~# kubectl get po
NAME READY STATUS RESTARTS AGE
nginx-server-565db8d649-7n588 0/1 Pending 0 103s
nginx-server-565db8d649-8qmv8 1/1 Running 0 103s
nginx-server-565db8d649-f5hcs 1/1 Running 0 103s
root@ip-172-31-44-67:~#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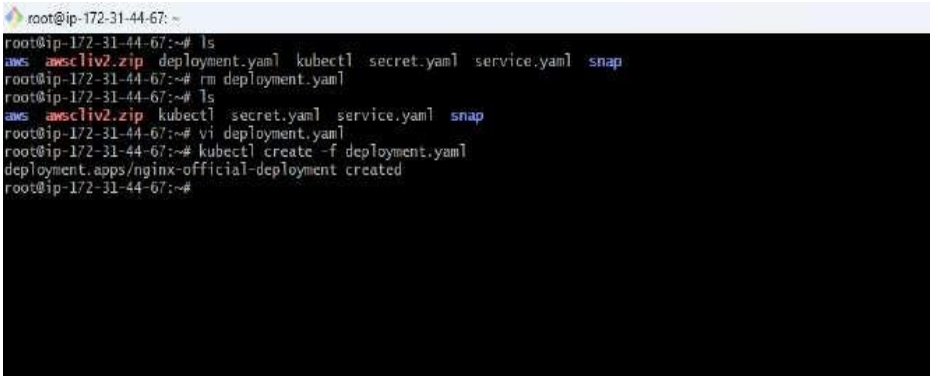
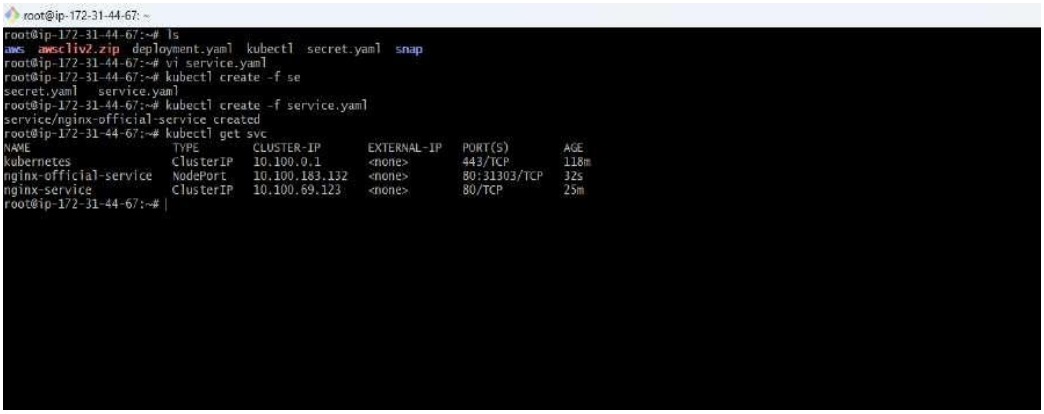
root@ip-172-31-44-67:~# kubectl create -f service.yaml
service/nginx-service created
root@ip-172-31-44-67:~# kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 93m
nginx-service ClusterIP 10.100.69.123 <none> 80/TCP 39s
root@ip-172-31-44-67:~# kubectl get po
NAME READY STATUS RESTARTS AGE
nginx-server-565db8d649-7n588 0/1 Pending 0 12m
nginx-server-565db8d649-8qmv8 1/1 Running 0 12m
nginx-server-565db8d649-f5hcs 1/1 Running 0 12m
root@ip-172-31-44-67:~#


root@ip-172-31-44-67: ~
root@ip-172-31-44-67:~# ls
aws awscliv2.zip deployment.yaml kubectl secret.yaml service.yaml snap
root@ip-172-31-44-67:~# rm deployment.yaml
root@ip-172-31-44-67:~# ls
aws awscliv2.zip kubectl secret.yaml service.yaml snap
root@ip-172-31-44-67:~# vi deployment.yaml
root@ip-172-31-44-67:~# kubectl create -f deployment.yaml
deployment.apps/nginx-official-deployment created
root@ip-172-31-44-67:~#


root@ip-172-31-44-67: ~
root@ip-172-31-44-67:~# ls
aws awscliv2.zip deployment.yaml kubectl secret.yaml snap
root@ip-172-31-44-67:~# vi service.yaml
root@ip-172-31-44-67:~# kubectl create -f se
secret.yaml service.yaml
root@ip-172-31-44-67:~# kubectl create -f service.yaml
service/nginx-official-service created
root@ip-172-31-44-67:~# kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 118m
nginx-official-service NodePort 10.100.183.132 <none> 80:31303/TCP 32s
nginx-service ClusterIP 10.100.69.123 <none> 80/TCP 25m
root@ip-172-31-44-67:~#

EC2 | ap-south
Clusters | Elastic Kubernetes Se
ChatGPT
Welcome to nginx!
13.200.249.144:31303
YouTube
Maps
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.