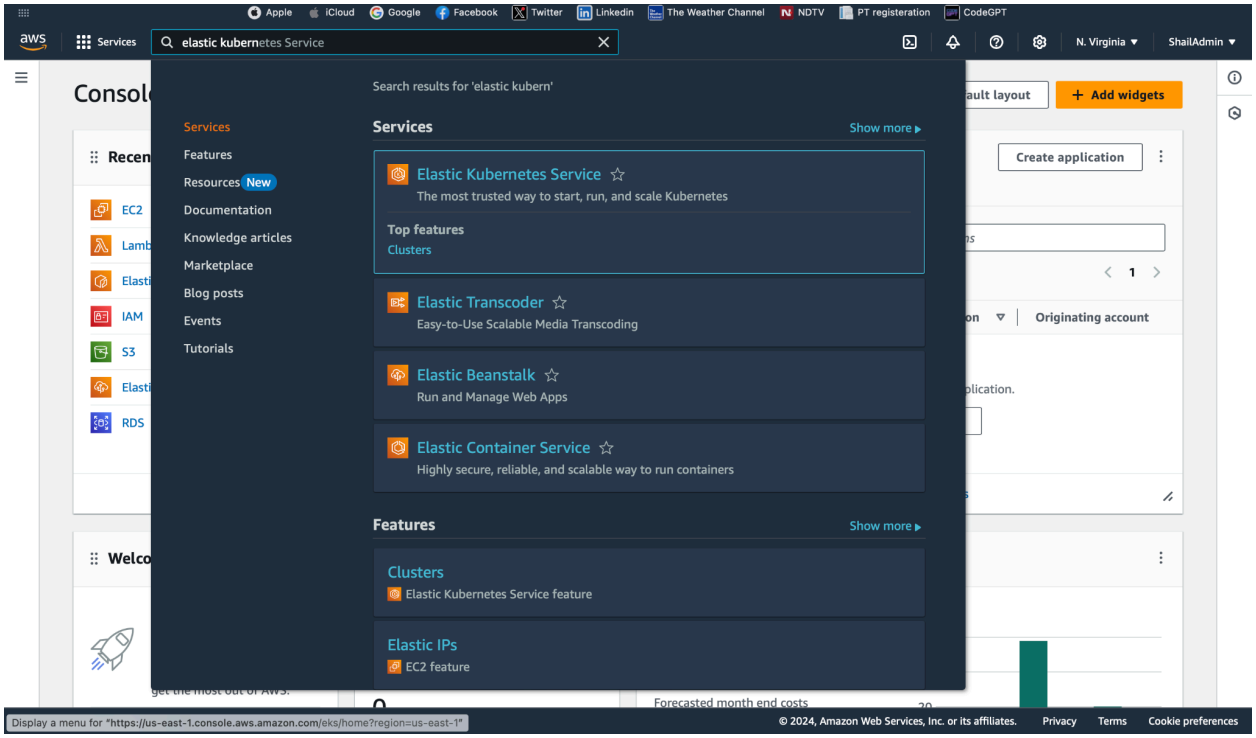
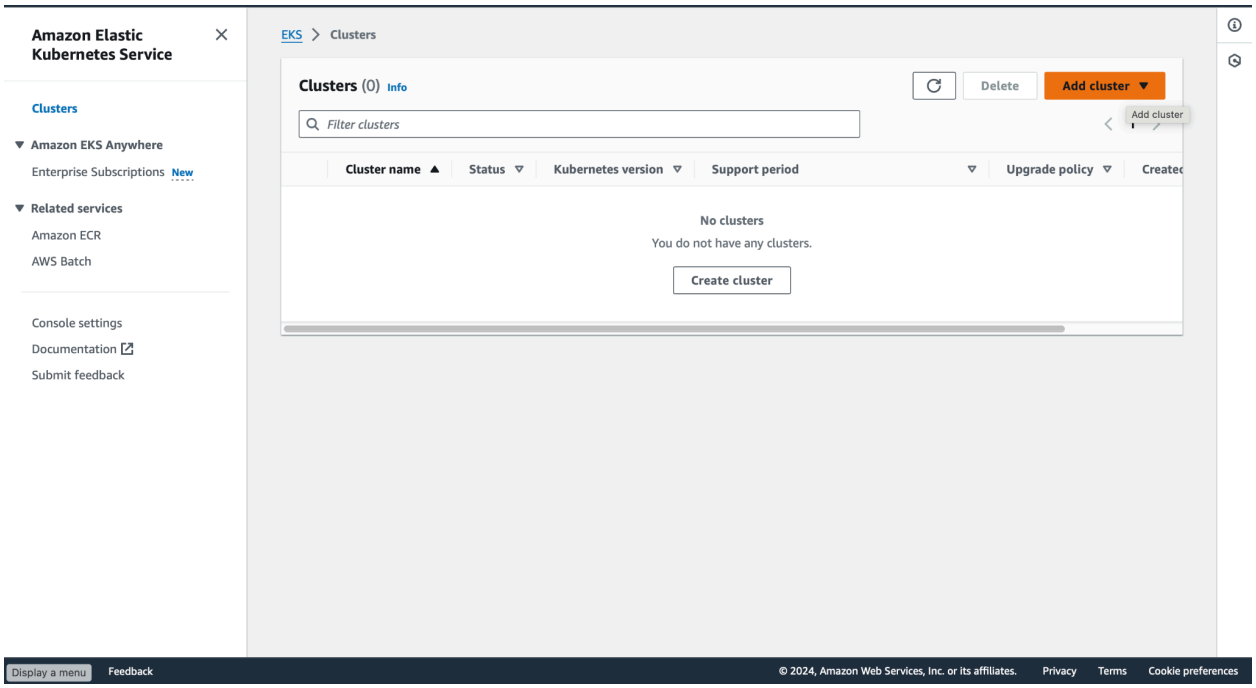
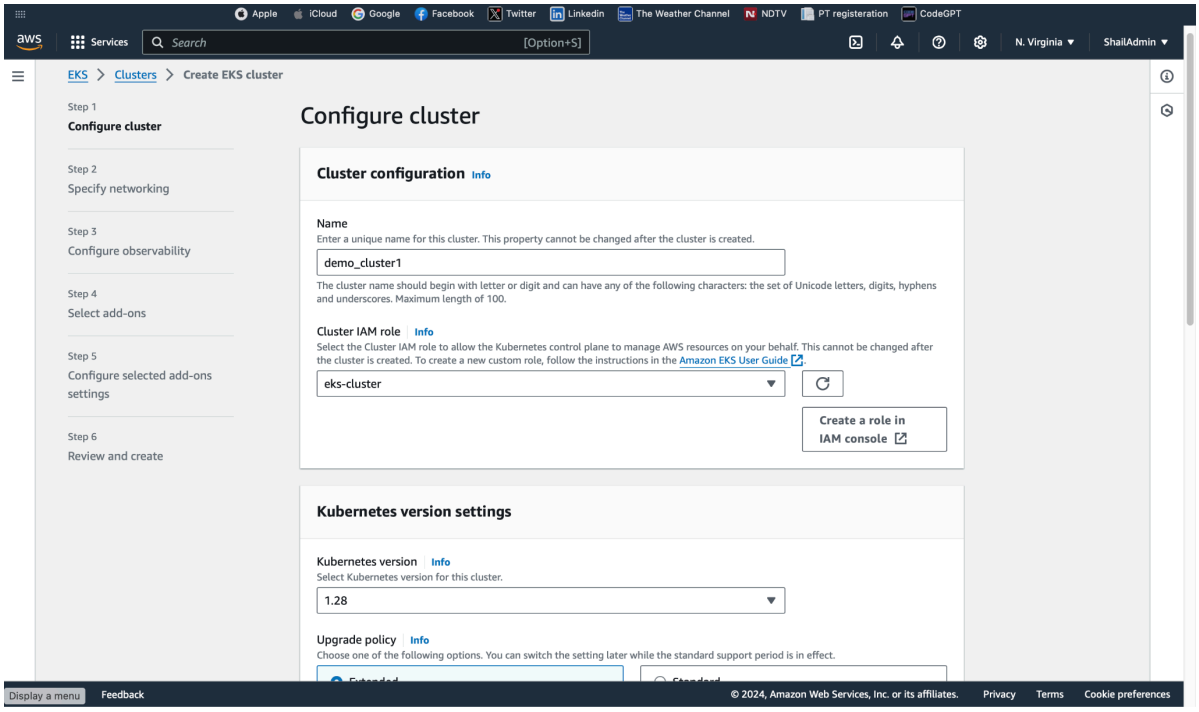
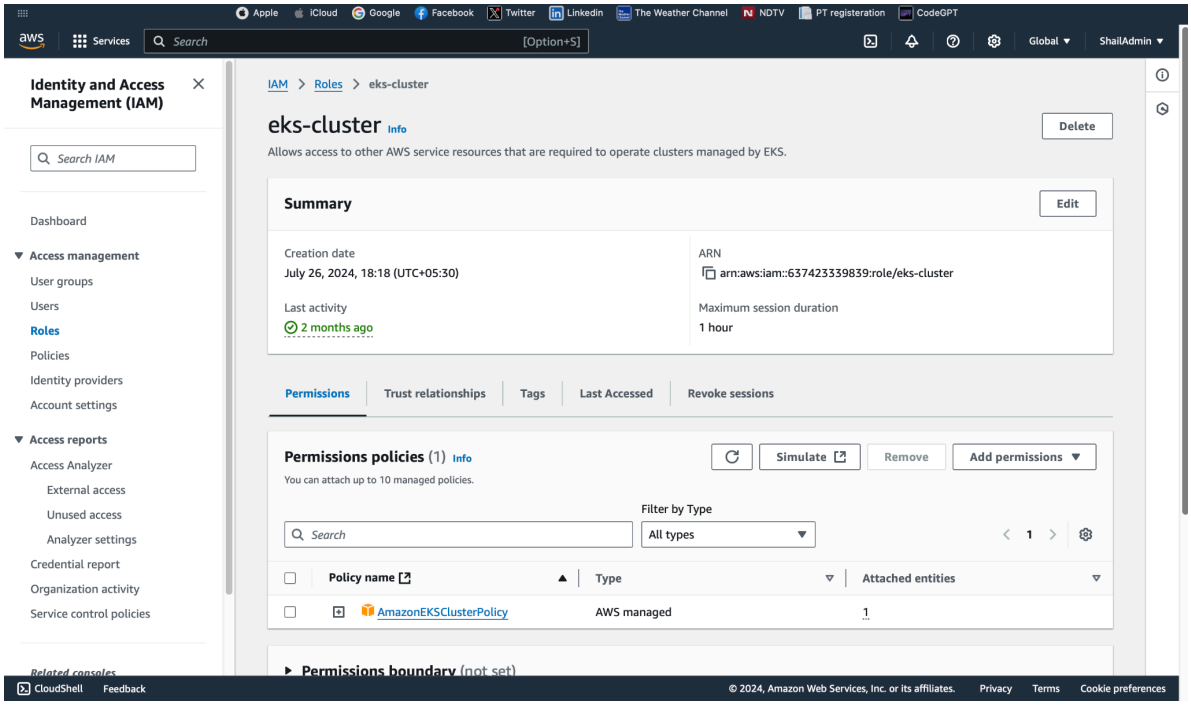


Click on Add Cluster

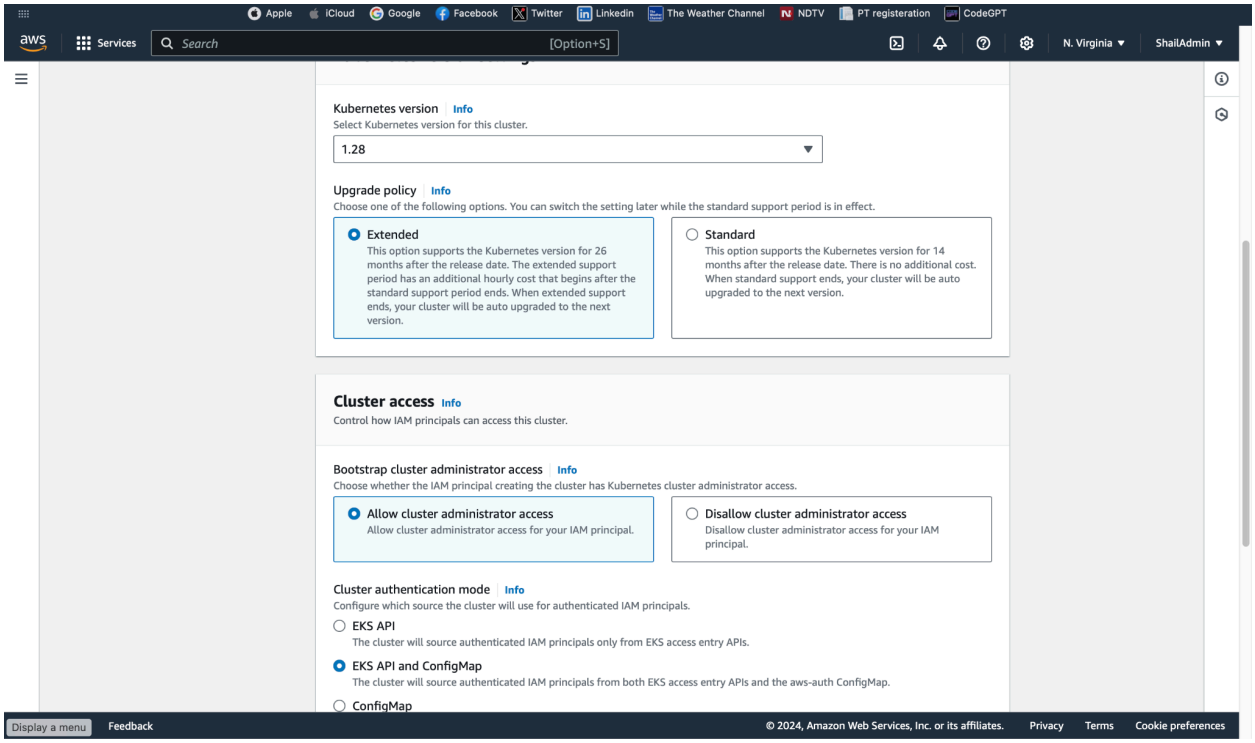


Click on Create Cluster

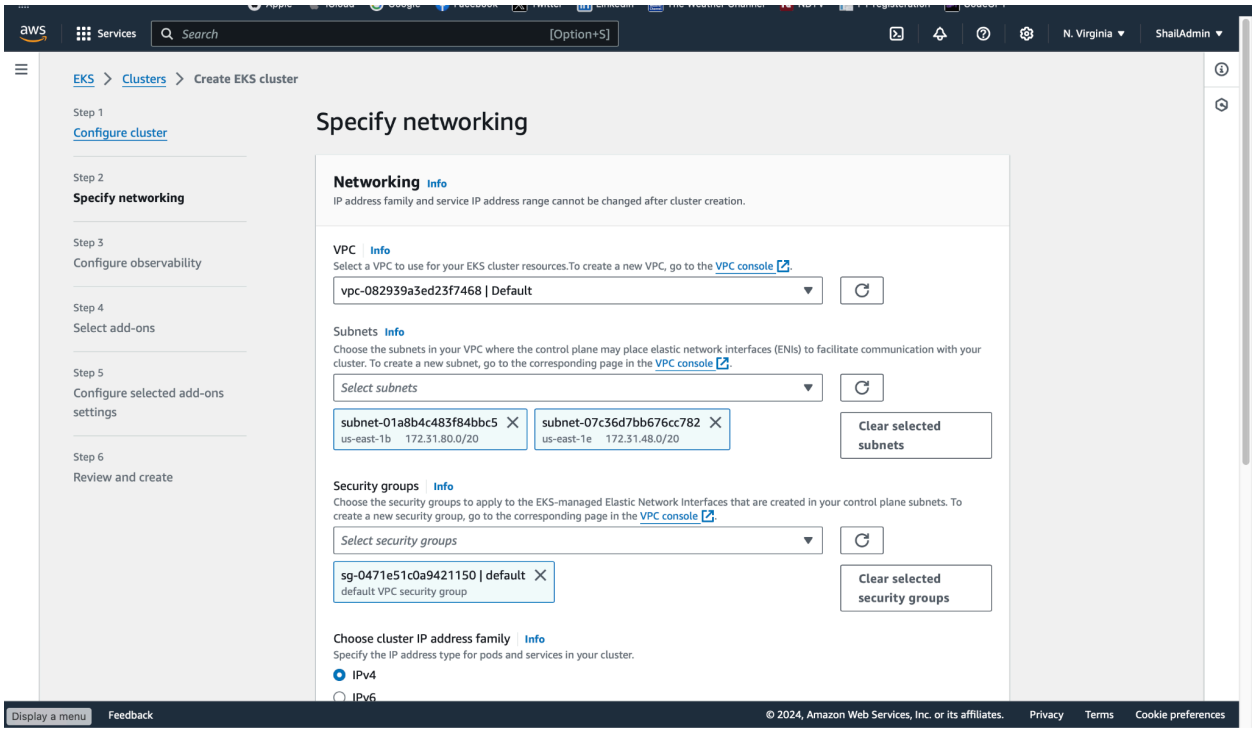


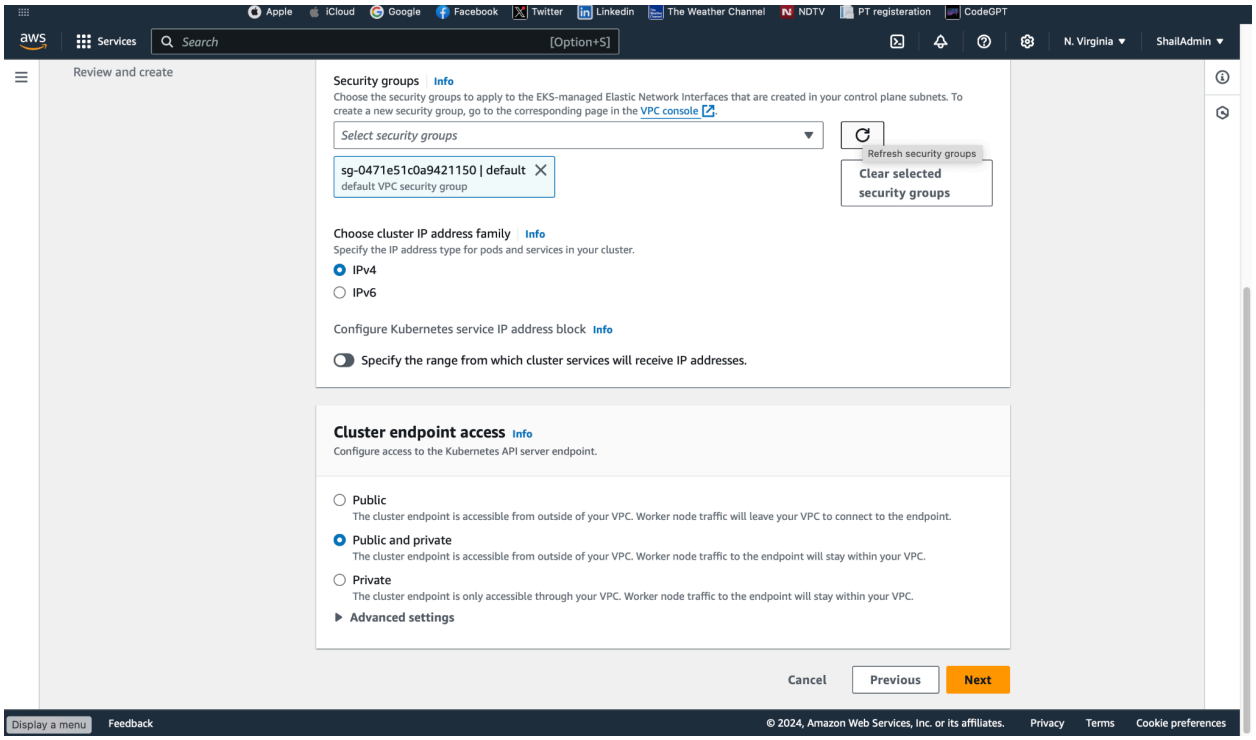


Ex of Roles.



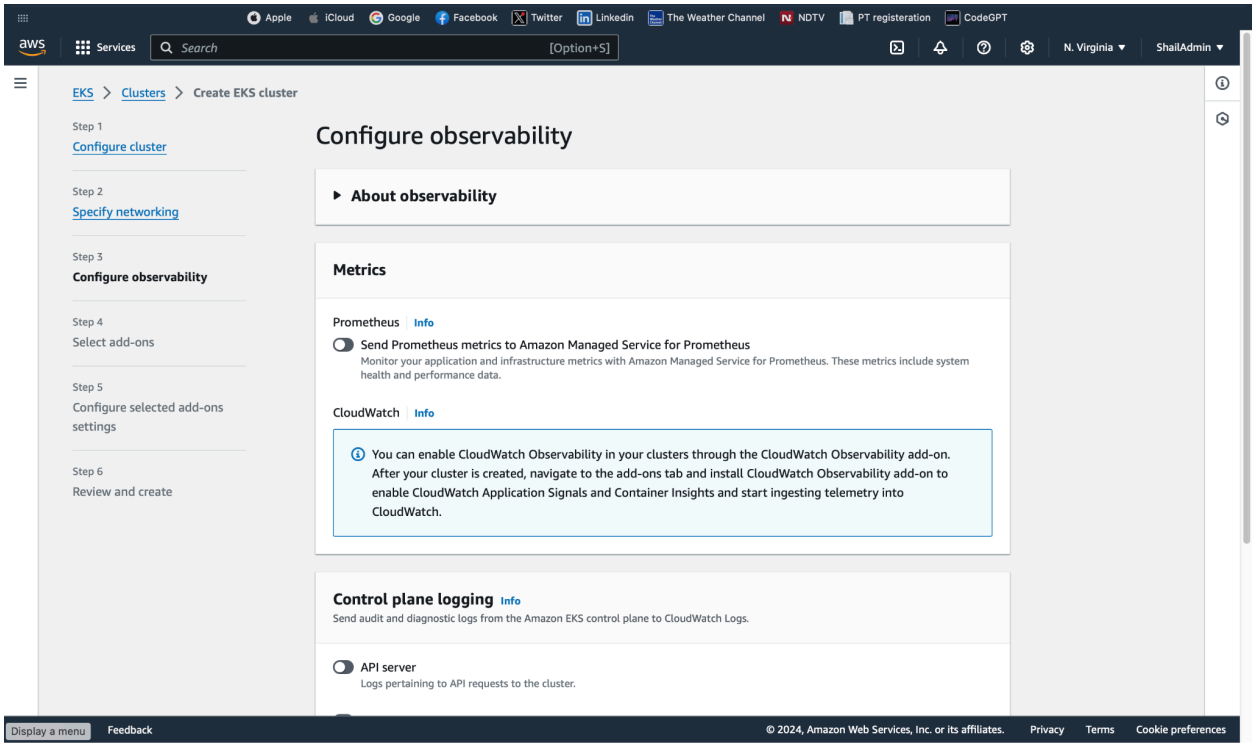
Click on Next



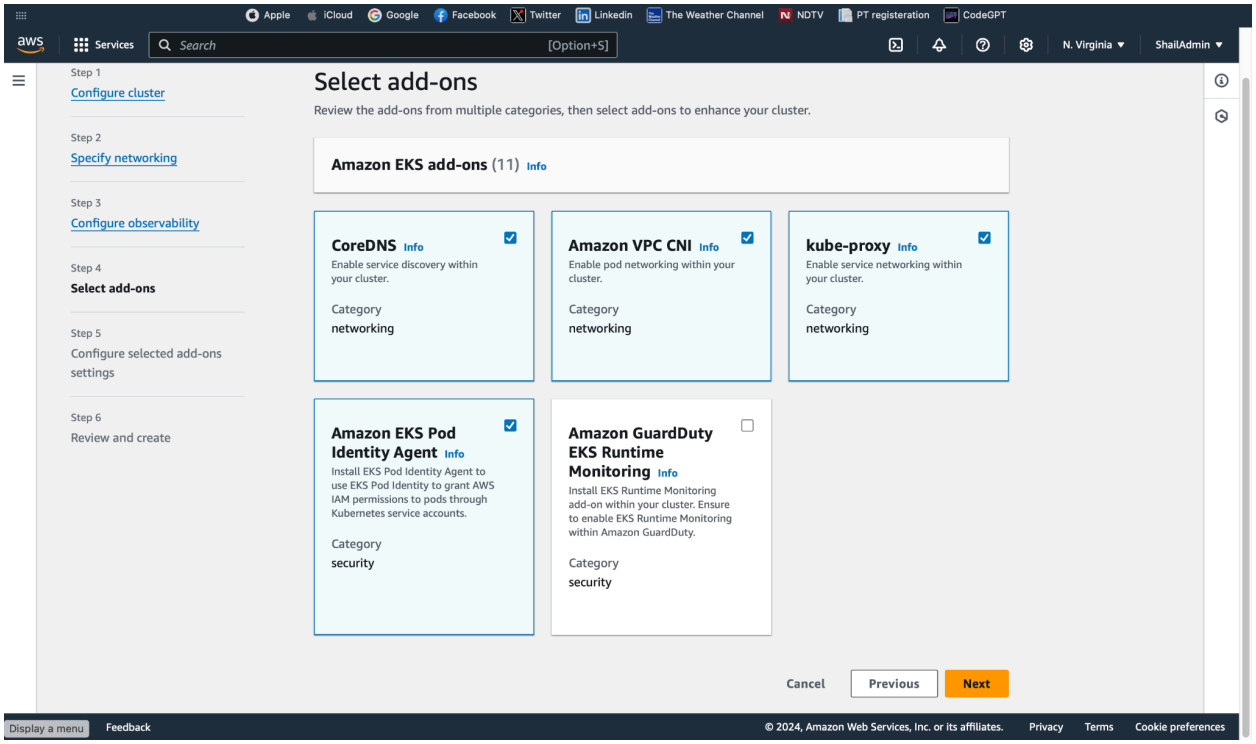


Click on Next.

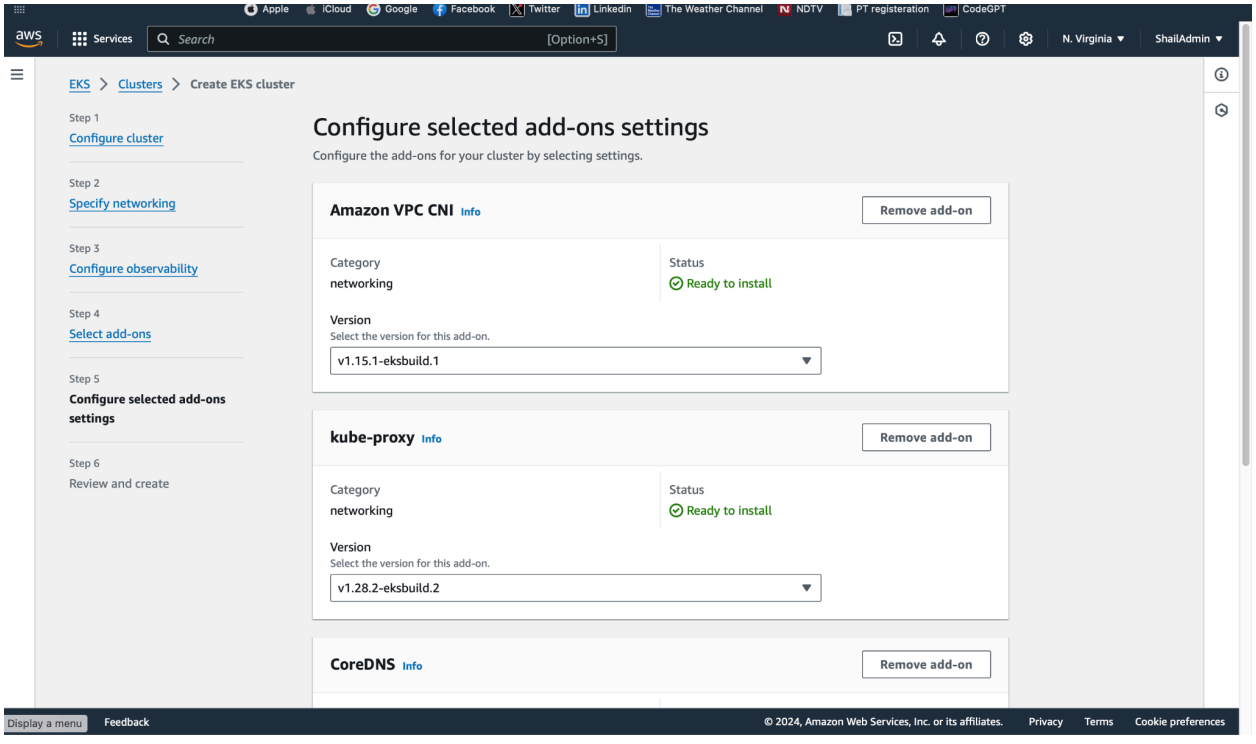
Configure Observability. Leave it as Default



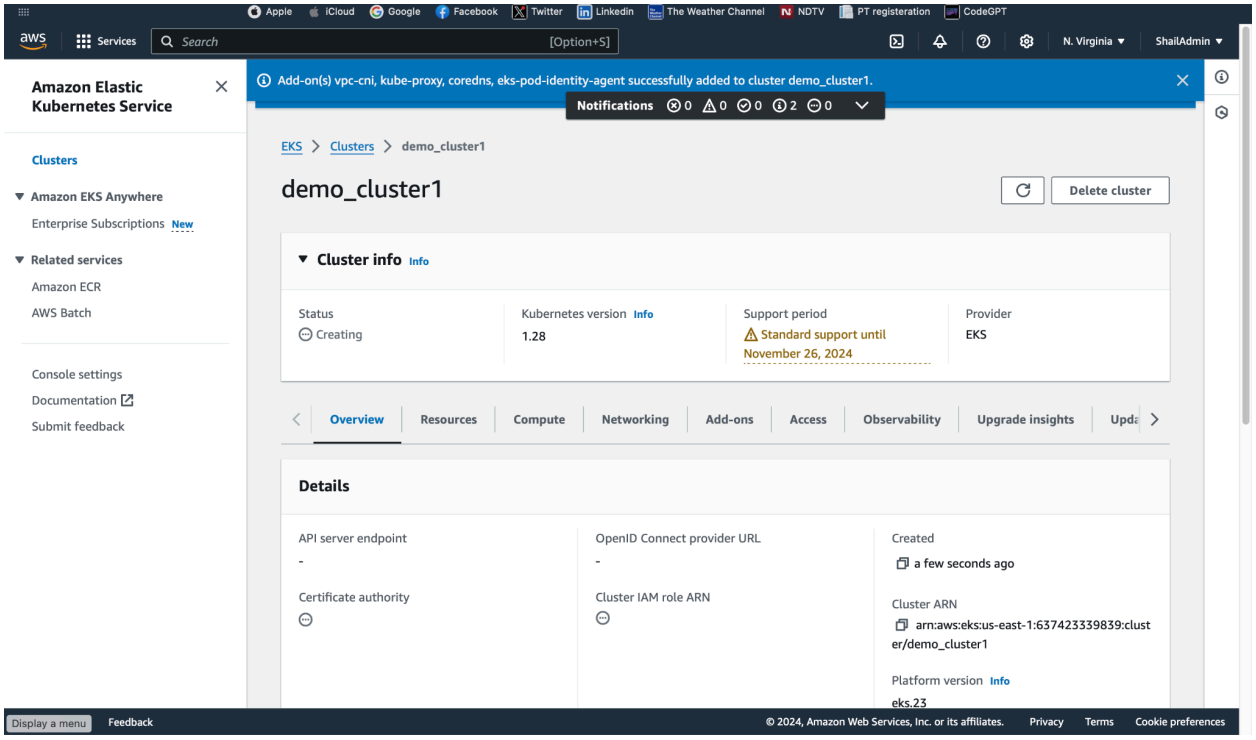
Click on Next.



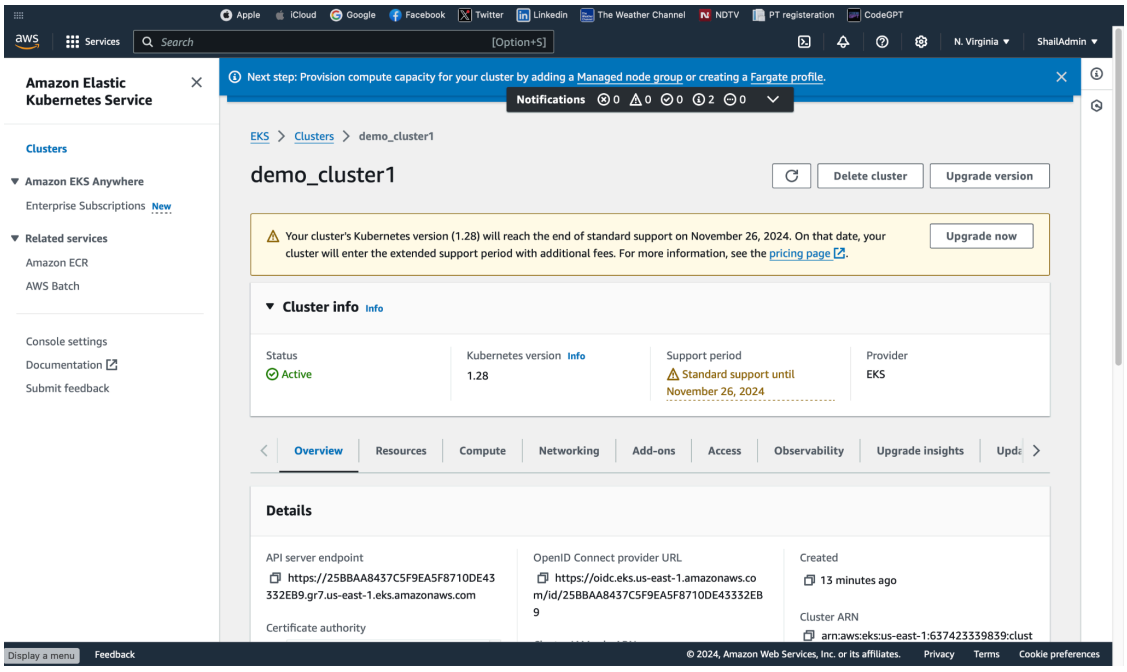
Click on Next



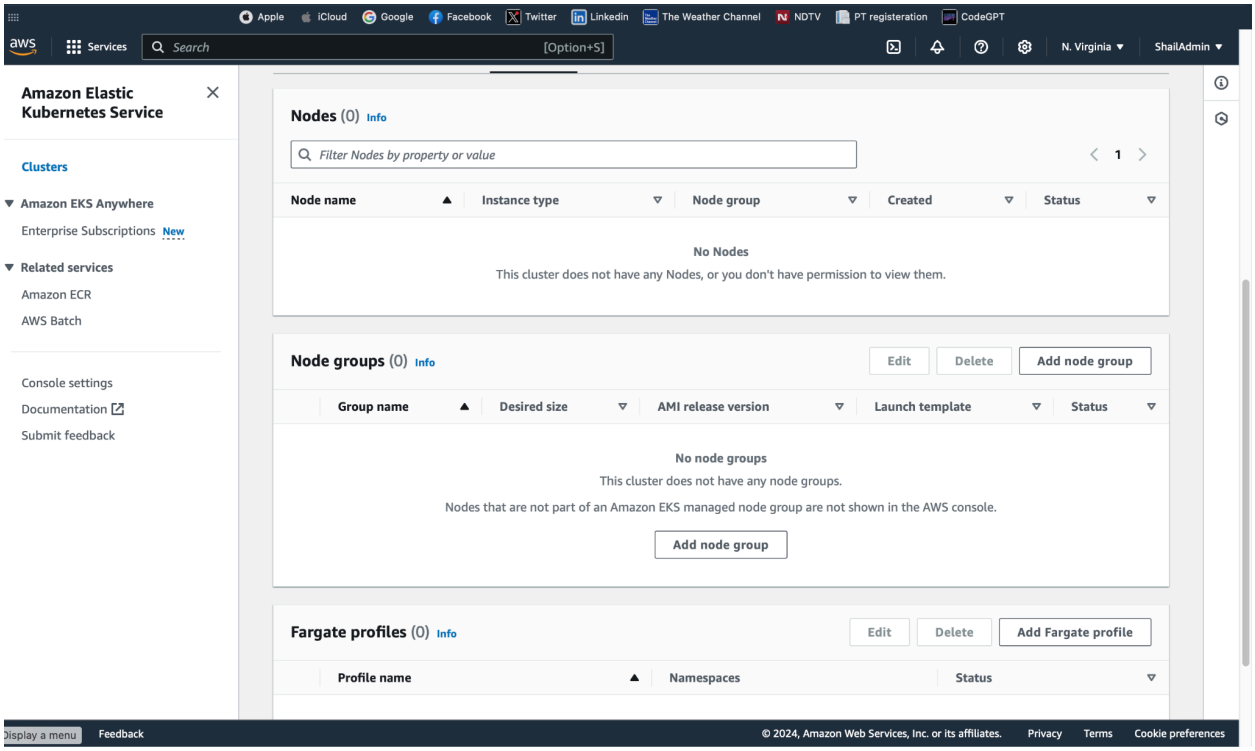
Click on Next. Review and Create.



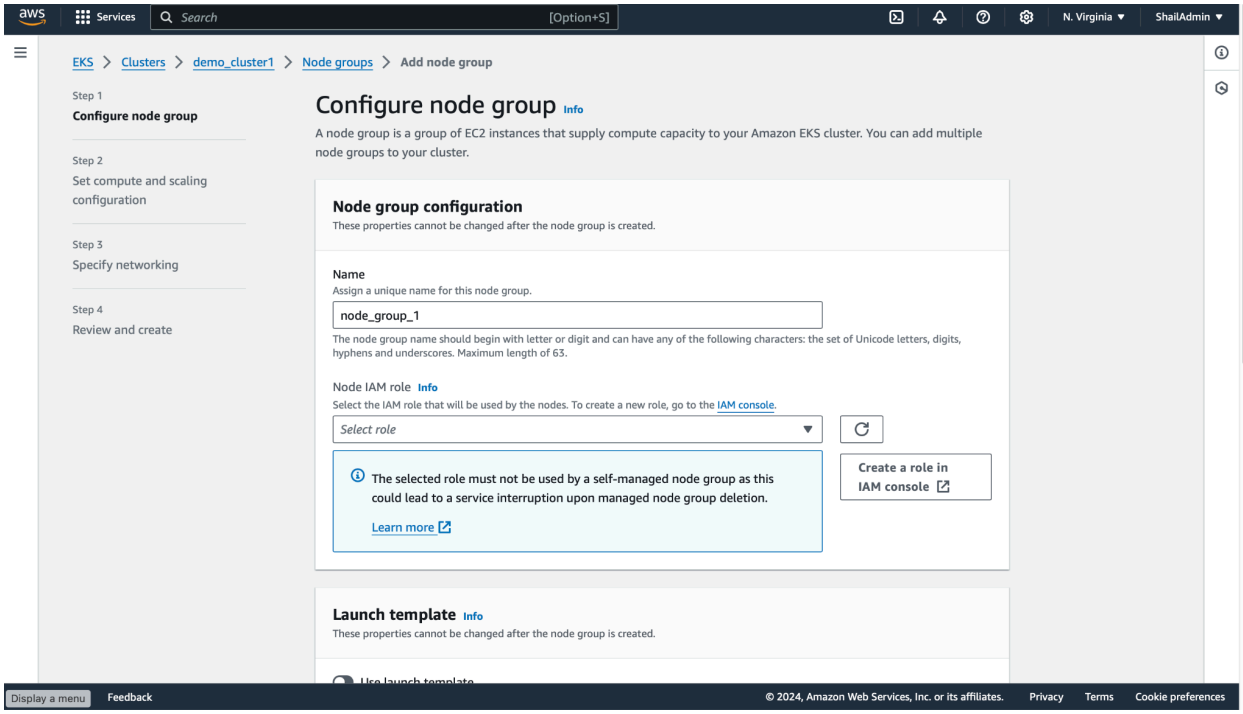
Clusters are getting created.



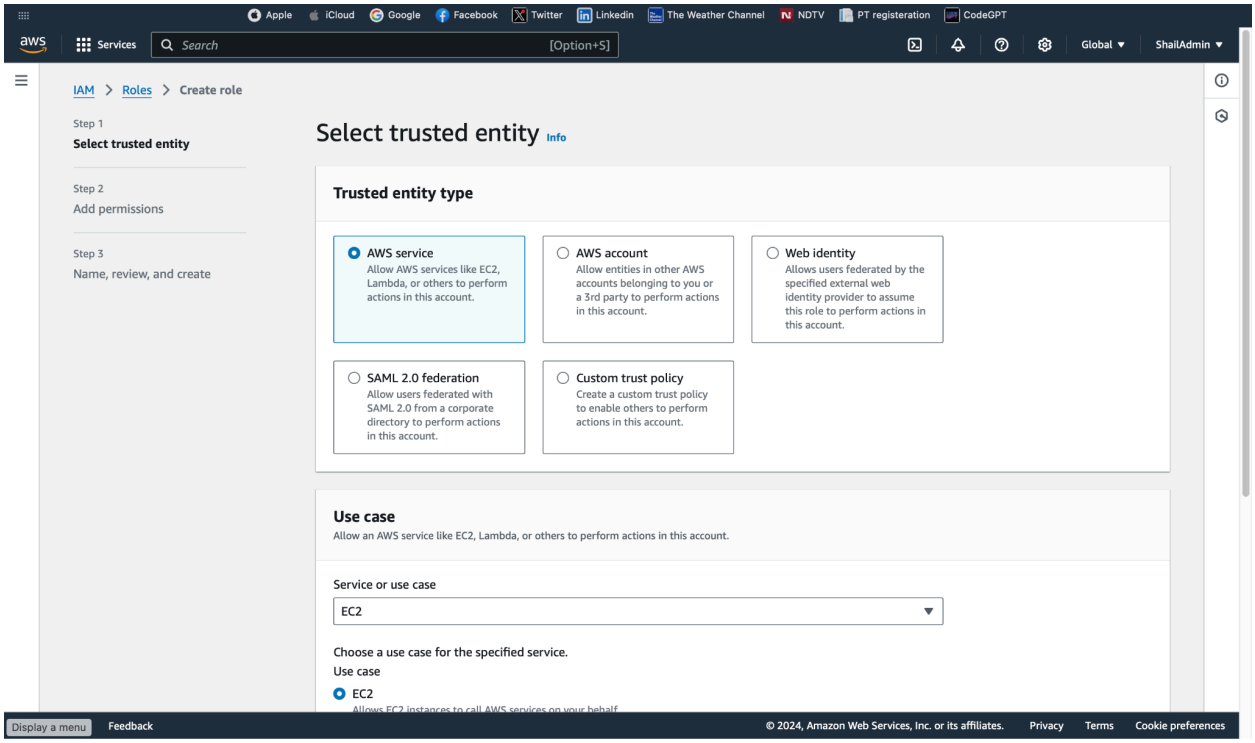
Click on Add Node Group



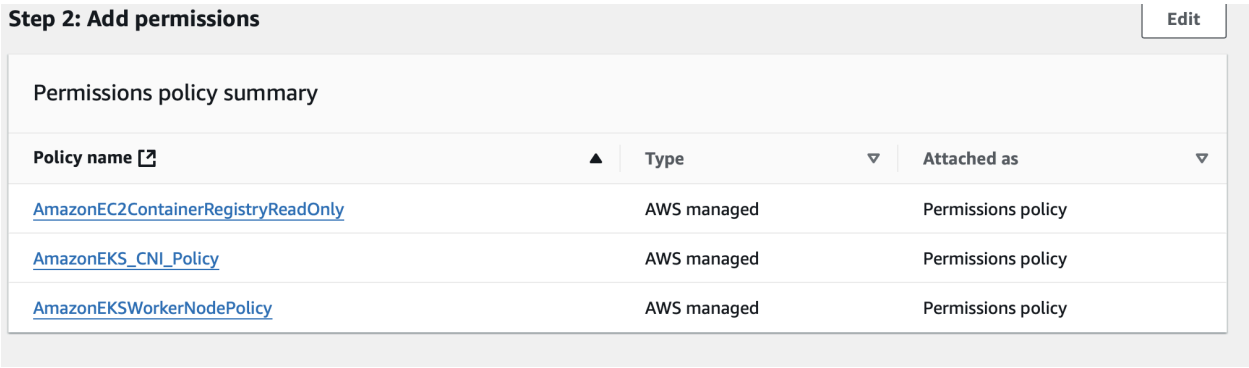
Click on Add node group

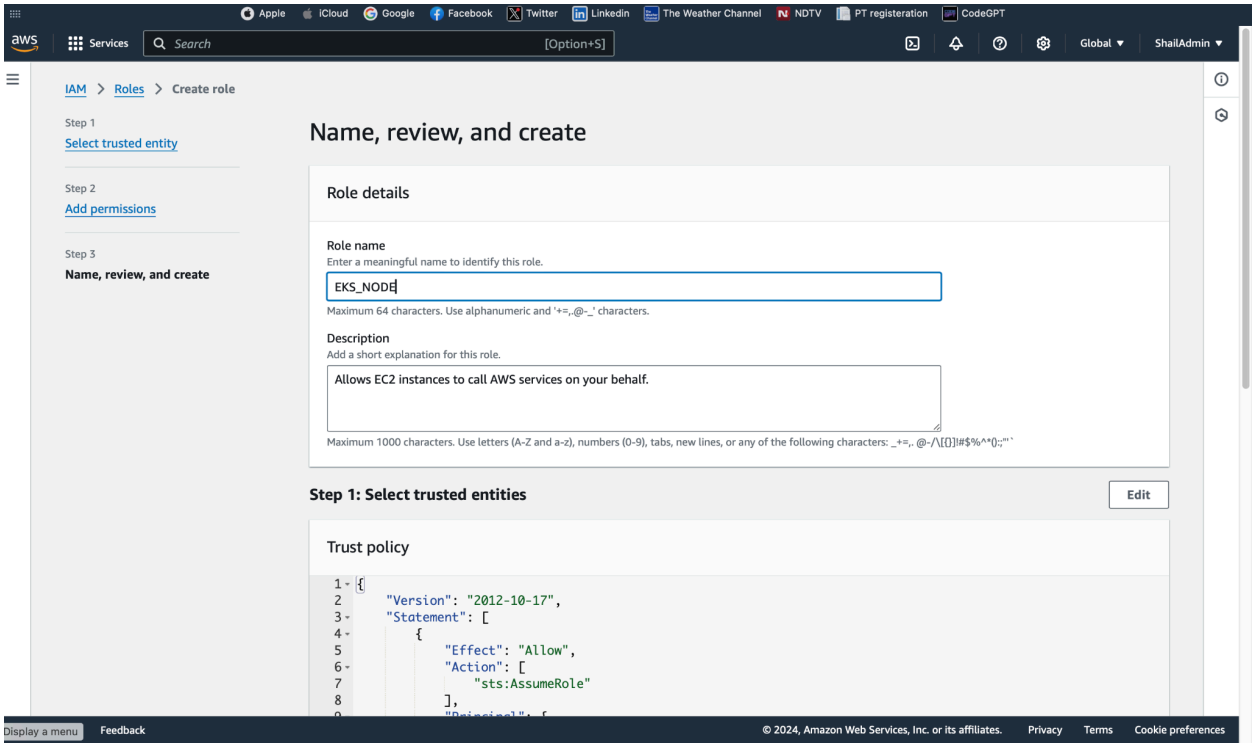


Create a Role in IAM console

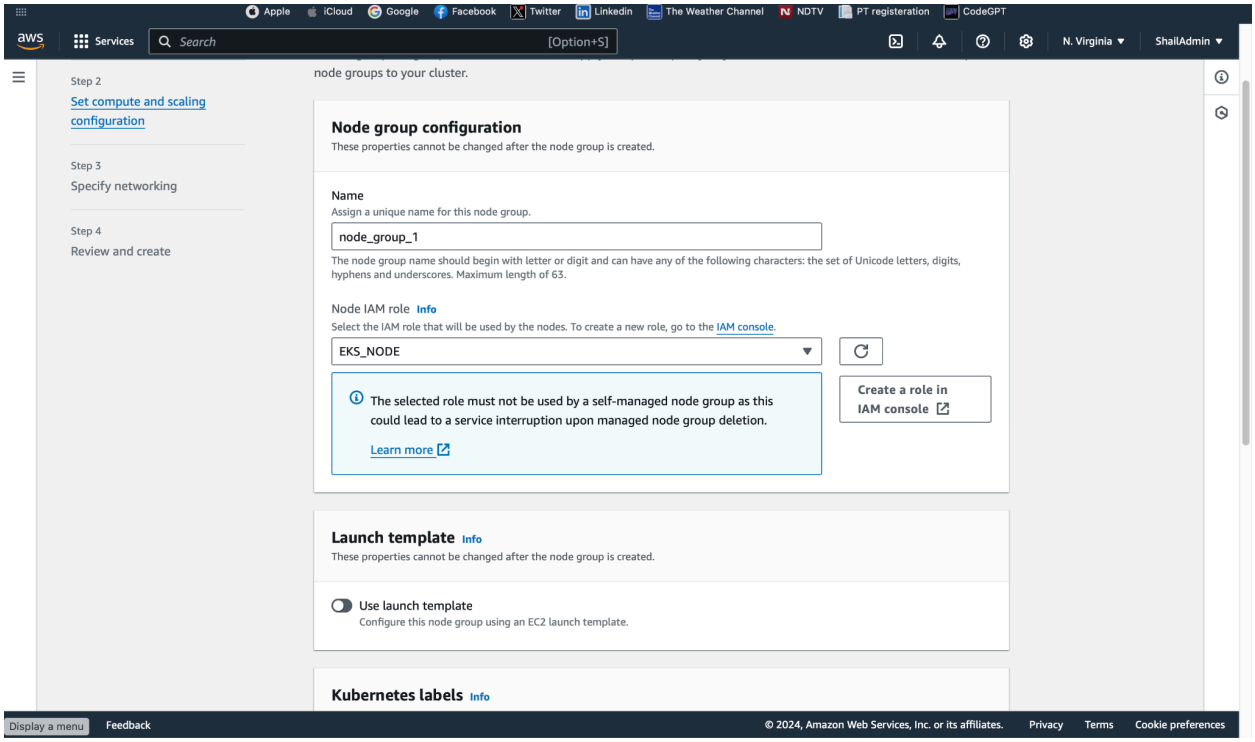


Click on Next

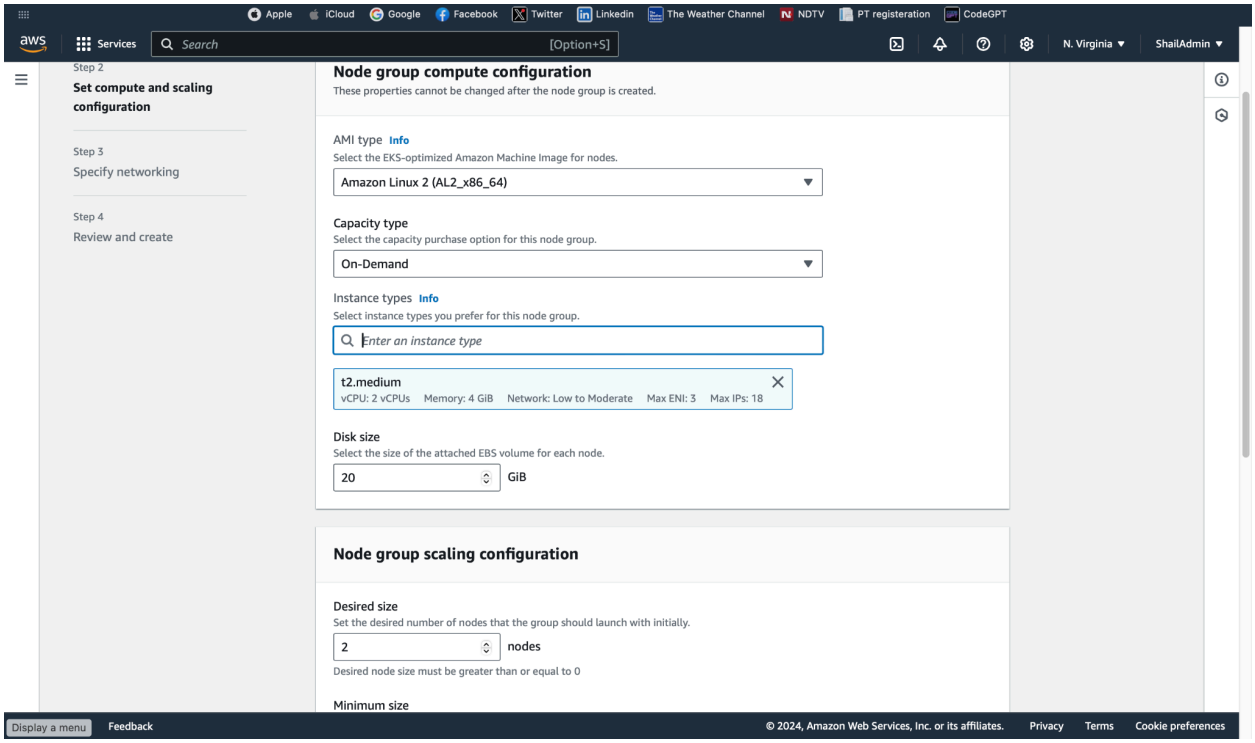


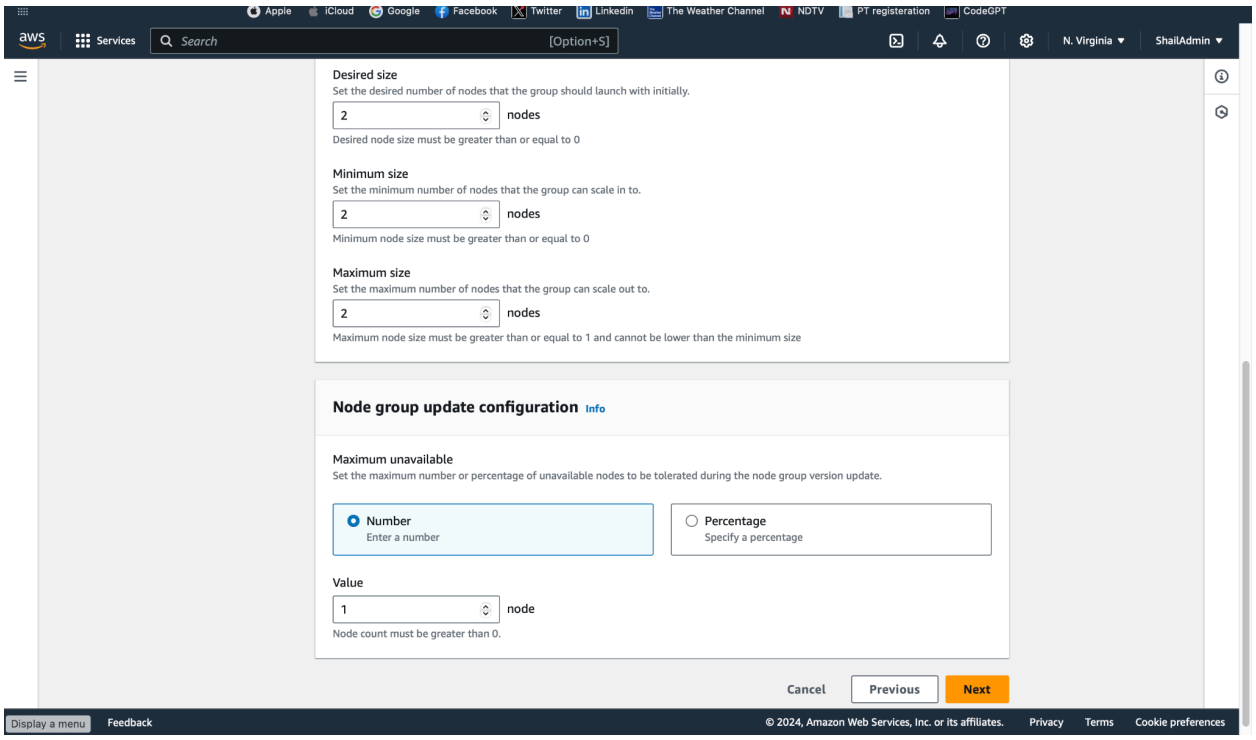


Go to Node Group

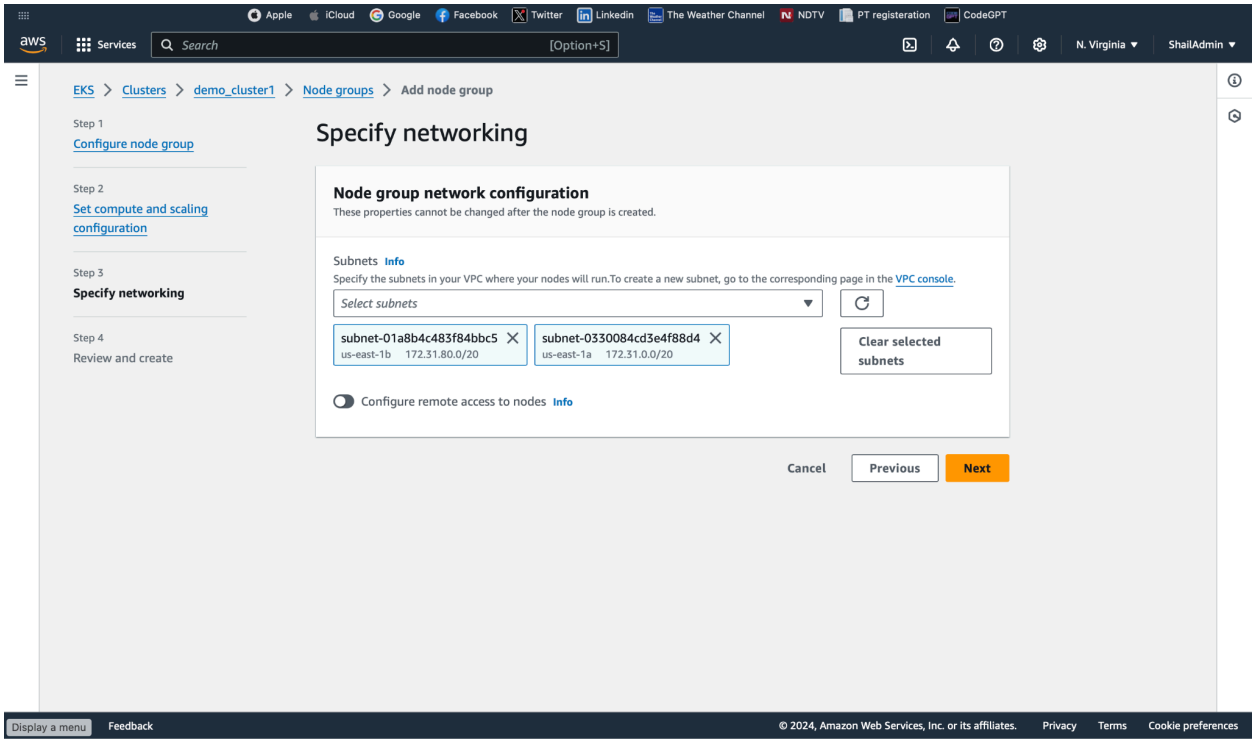


Click on Next

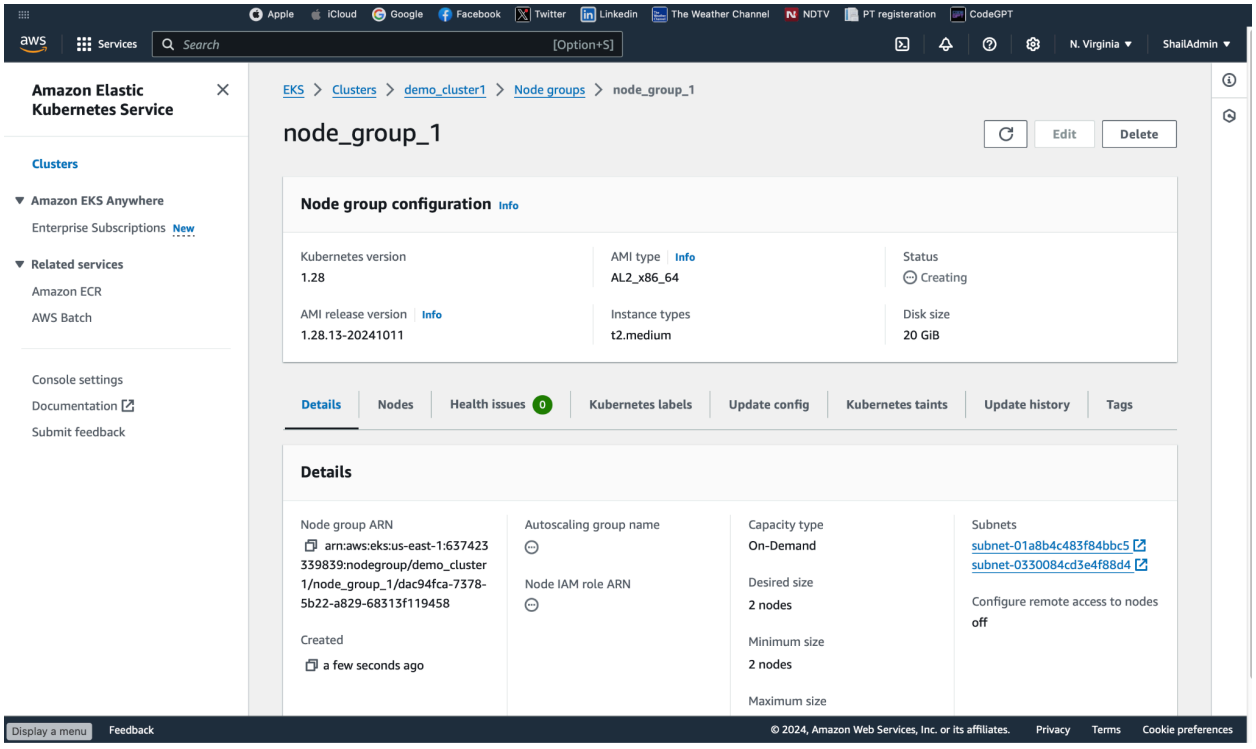


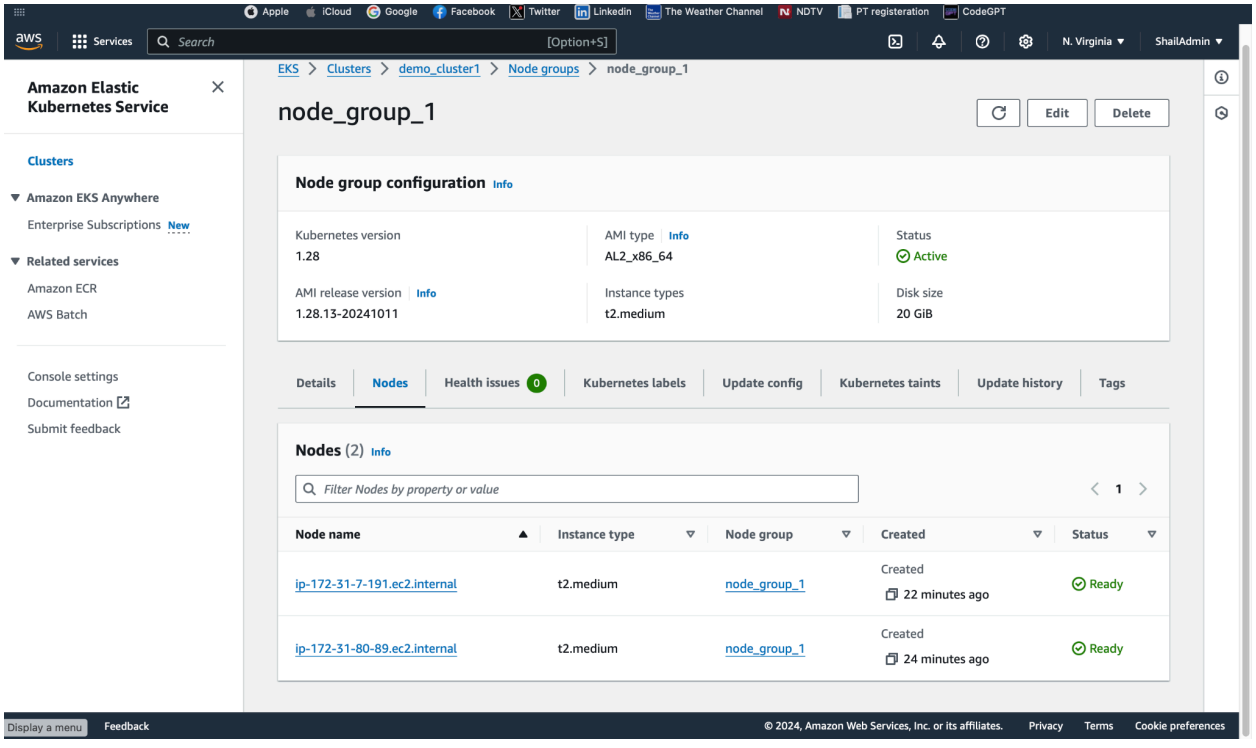


Click on Next

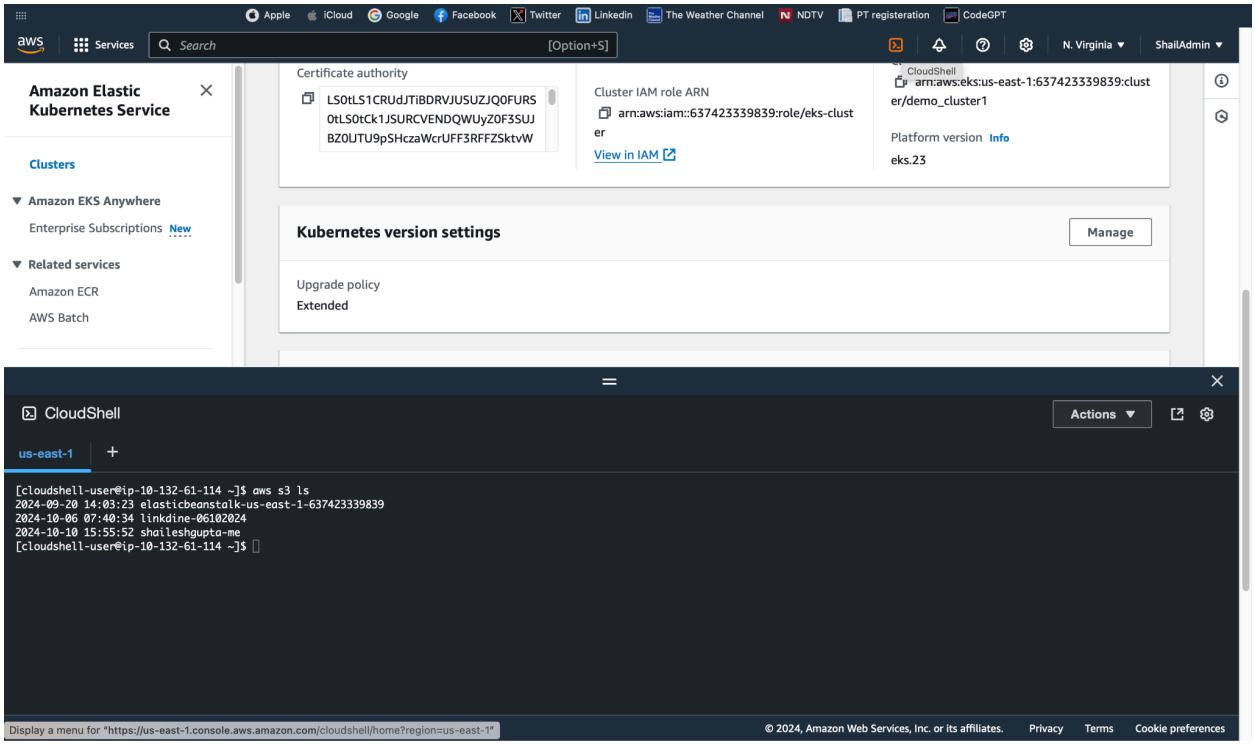


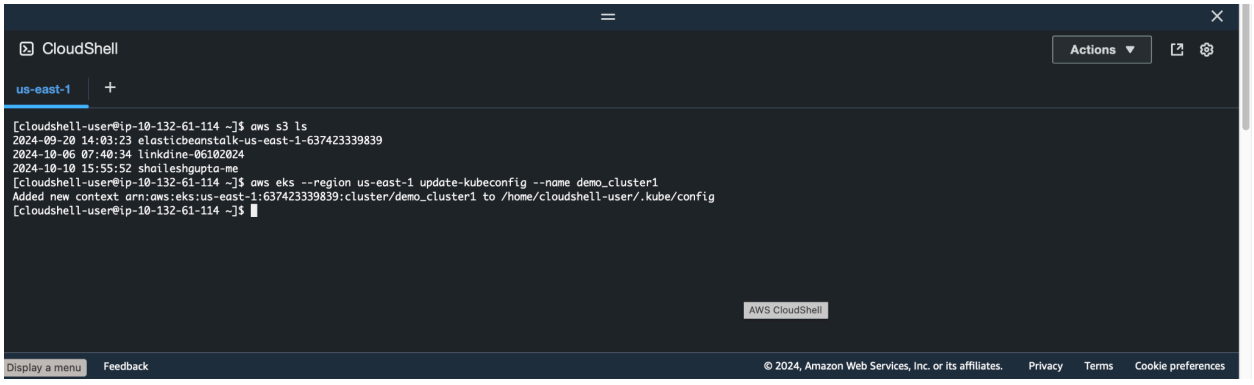
Click on Next. Click on Create

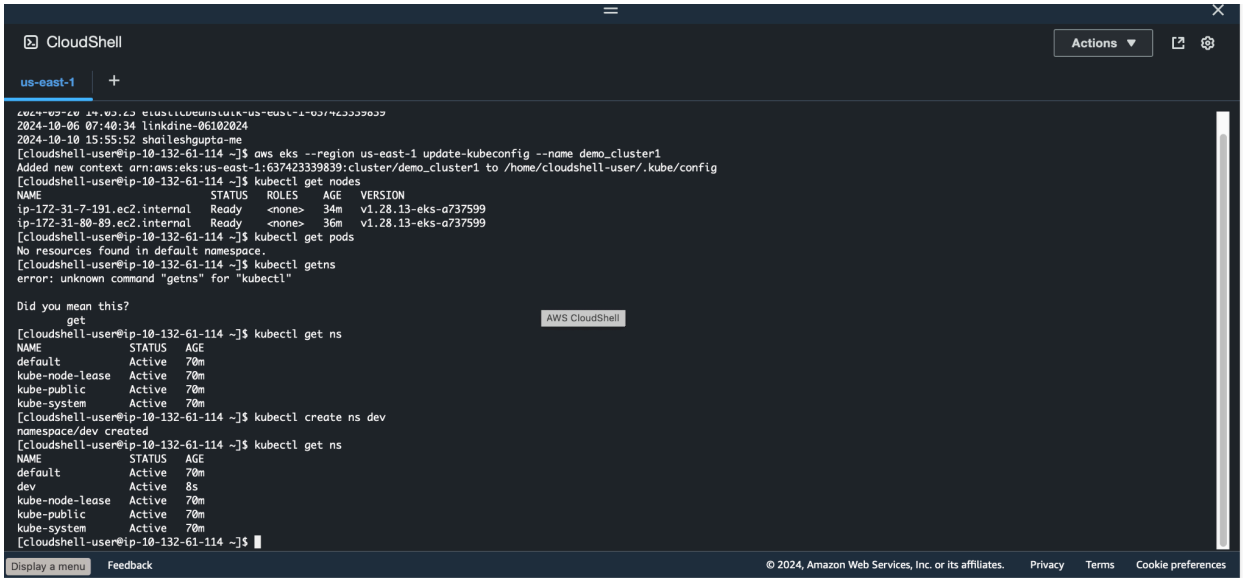




Click on Cloudshell






CloudShell
Actions
us-east-1
2024-10-06 07:40:34 linkdine-06102024
2024-10-10 15:55:52 shaileshgupta-me
[cloudshell-user@ip-10-132-61-114 ~]$ aws eks --region us-east-1 update-kubeconfig --name demo_cluster1
Added new context arn:aws:eks:us-east-1:637423339839:cluster/demo_cluster1 to /home/cloudshell-user/.kube/config
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get nodes
NAME STATUS ROLES AGE VERSION
ip-172-31-7-191.ec2.internal Ready <none> 34m v1.28.13-eks-a737599
ip-172-31-80-89.ec2.internal Ready <none> 36m v1.28.13-eks-a737599
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
No resources found in default namespace.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl getns
error: unknown command "getns" for "kubectl"
Did you mean this?
get
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl create ns dev
namespace/dev created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
dev Active 8s
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$
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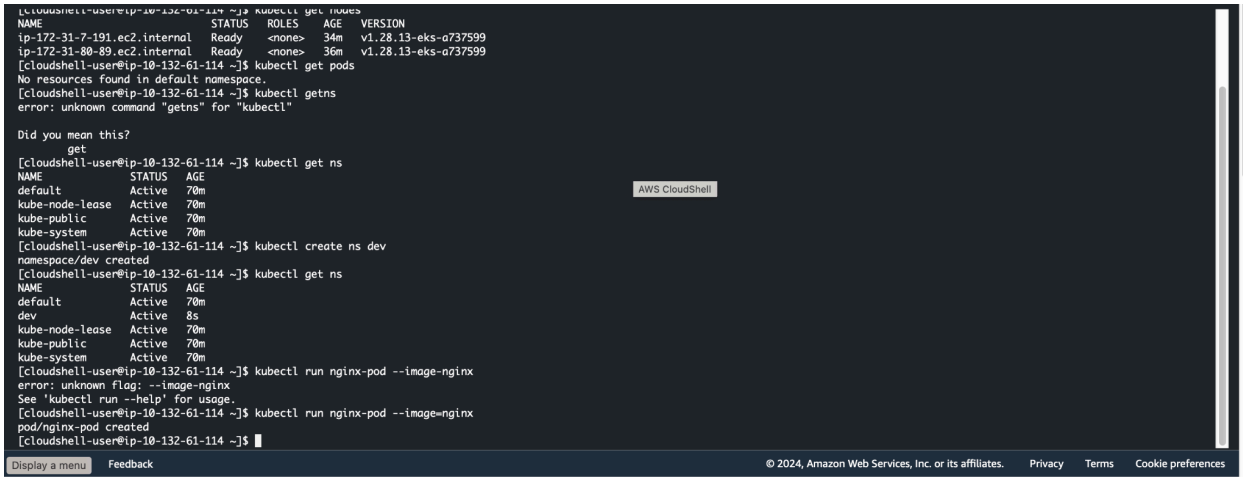
NAME STATUS ROLES AGE VERSION
ip-172-31-7-191.ec2.internal Ready <none> 34m v1.28.13-eks-a737599
ip-172-31-80-89.ec2.internal Ready <none> 36m v1.28.13-eks-a737599
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
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[cloudshell-user@ip-10-132-61-114 ~]$ kubectl getns
error: unknown command "getns" for "kubectl"
Did you mean this?
get
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl create ns dev
namespace/dev created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
dev Active 8s
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image-nginx
error: unknown flag: --image-nginx
See 'kubectl run --help' for usage.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image=nginx
pod/nginx-pod created
[cloudshell-user@ip-10-132-61-114 ~]$
AWS CloudShell
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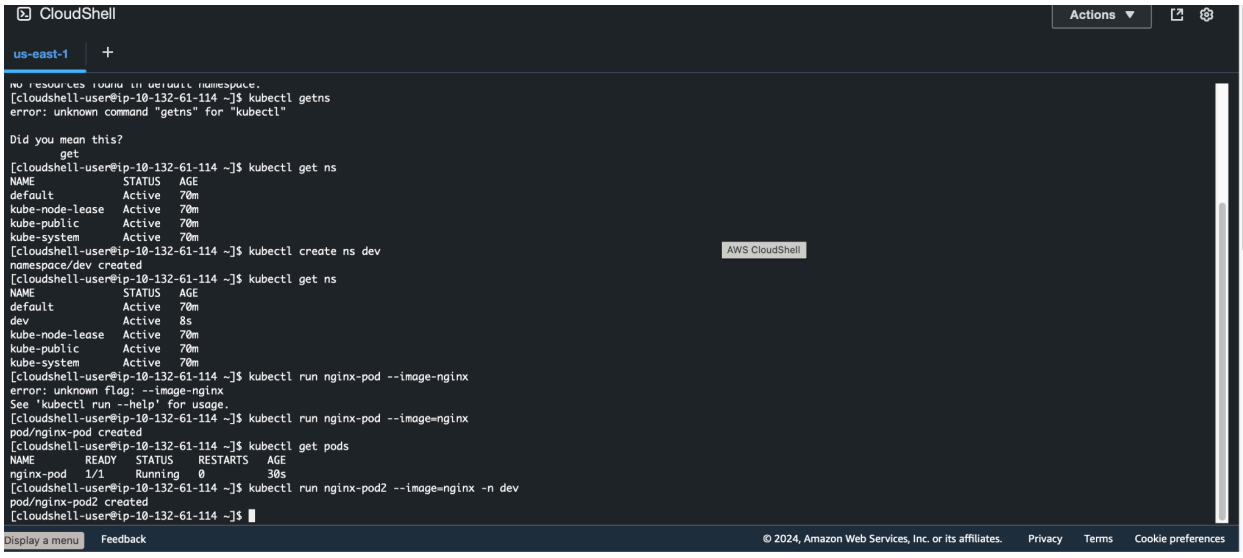
CloudShell
Actions
us-east-1
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl getns
error: unknown command "getns" for "kubectl"
Did you mean this?
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[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl create ns dev
namespace/dev created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
dev Active 8s
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image-nginx
error: unknown flag: --image-nginx
See 'kubectl run --help' for usage.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image=nginx
pod/nginx-pod created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 30s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod2 --image=nginx -n dev
pod/nginx-pod2 created
[cloudshell-user@ip-10-132-61-114 ~]$
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default Active 70m
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl create ns dev
namespace/dev created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get ns
NAME STATUS AGE
default Active 70m
dev Active 8s
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image-nginx
error: unknown flag: --image-nginx
See 'kubectl run --help' for usage.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image=nginx
pod/nginx-pod created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
AWS CloudShell
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 30s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod2 --image=nginx -n dev
pod/nginx-pod2 created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl pods -n dev
error: unknown command "pods" for "kubectl"
Did you mean this?
logs
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods -n dev
NAME READY STATUS RESTARTS AGE
nginx-pod2 1/1 Running 0 47s
[cloudshell-user@ip-10-132-61-114 ~]$
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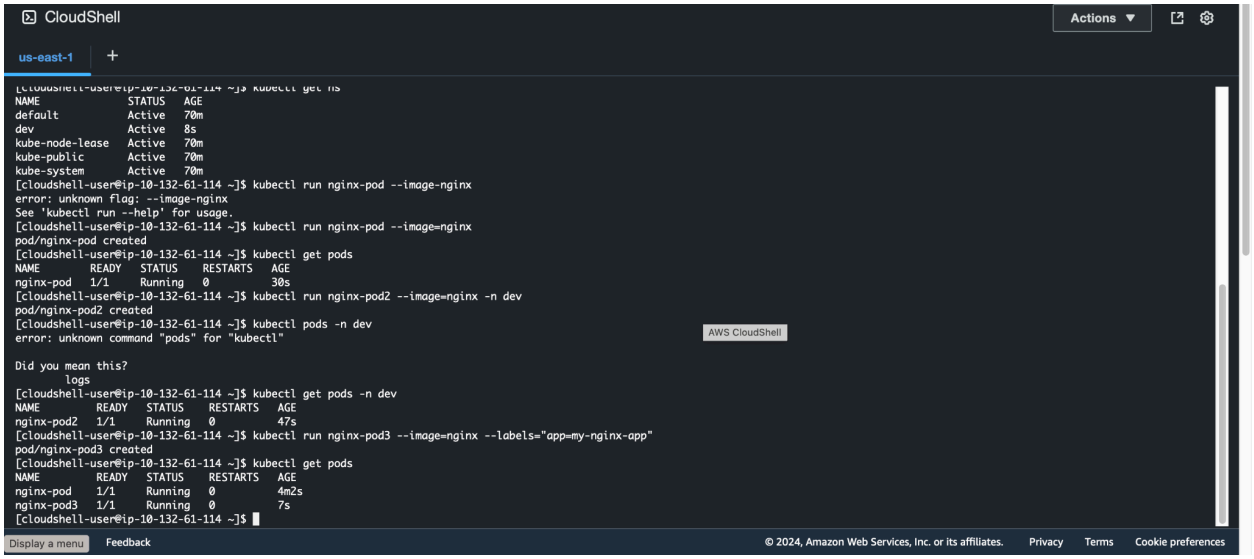
CloudShell
Actions
us-east-1
NAME STATUS AGE
default Active 70m
dev Active 8s
kube-node-lease Active 70m
kube-public Active 70m
kube-system Active 70m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image-nginx
error: unknown flag: --image-nginx
See 'kubectl run --help' for usage.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image=nginx
pod/nginx-pod created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 30s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod2 --image=nginx -n dev
pod/nginx-pod2 created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl pods -n dev
AWS CloudShell
error: unknown command "pods" for "kubectl"
Did you mean this?
logs
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods -n dev
NAME READY STATUS RESTARTS AGE
nginx-pod2 1/1 Running 0 47s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod3 --image=nginx --labels="app=my-nginx-app"
pod/nginx-pod3 created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 4m2s
nginx-pod3 1/1 Running 0 7s
[cloudshell-user@ip-10-132-61-114 ~]$
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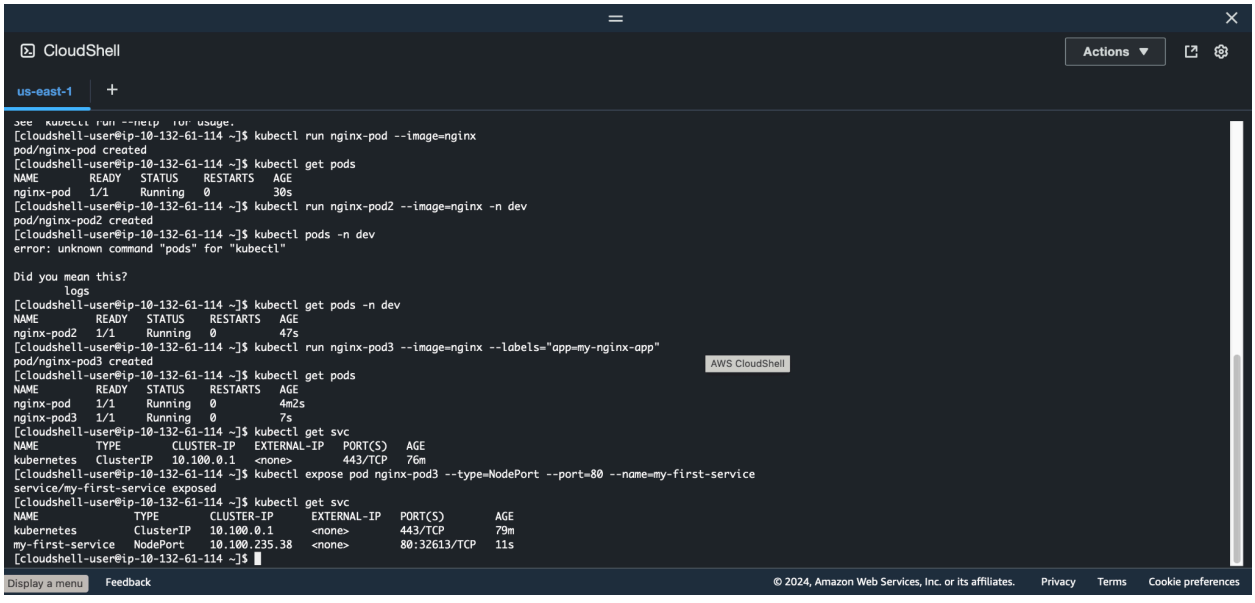
CloudShell
Actions
us-east-1
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod --image=nginx
pod/nginx-pod created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 30s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod2 --image=nginx -n dev
pod/nginx-pod2 created
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl pods -n dev
error: unknown command "pods" for "kubectl"
Did you mean this?
logs
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods -n dev
NAME READY STATUS RESTARTS AGE
nginx-pod2 1/1 Running 0 47s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl run nginx-pod3 --image=nginx --labels="app=my-nginx-app"
pod/nginx-pod3 created
AWS CloudShell
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 4m2s
nginx-pod3 1/1 Running 0 7s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 76m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl expose pod nginx-pod3 --type=NodePort --port=80 --name=my-first-service
service/my-first-service exposed
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 79m
my-first-service NodePort 10.100.235.38 <none> 80:32613/TCP 11s
[cloudshell-user@ip-10-132-61-114 ~]$
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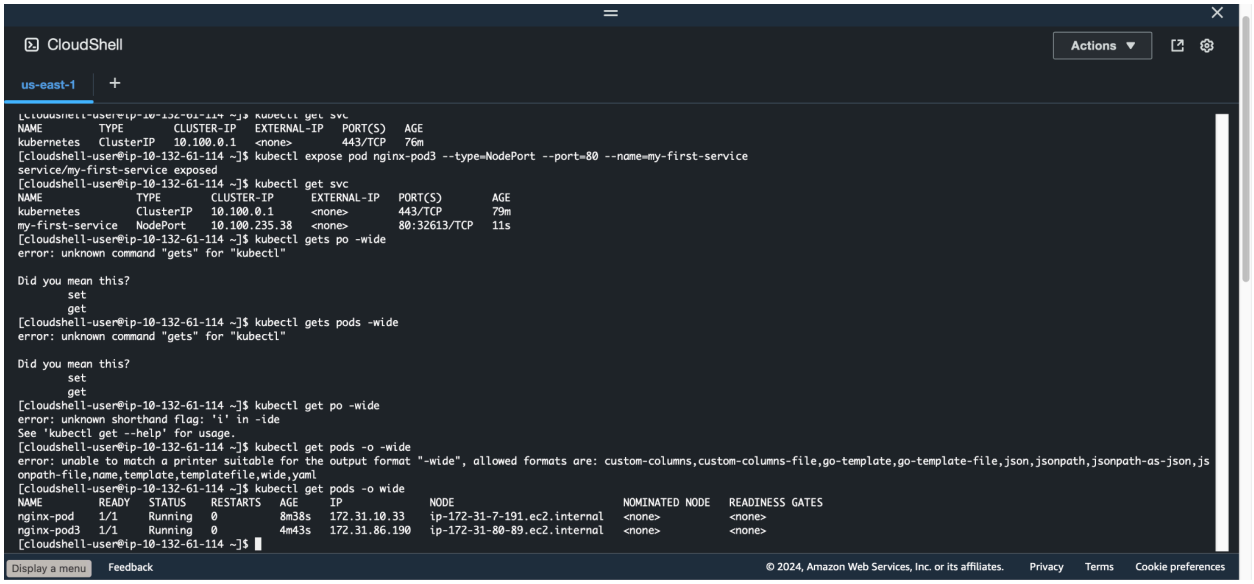
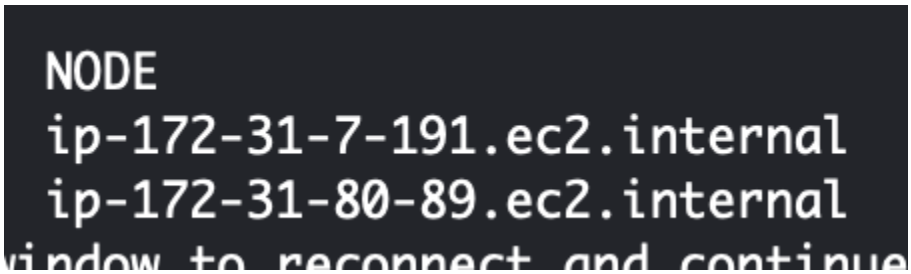
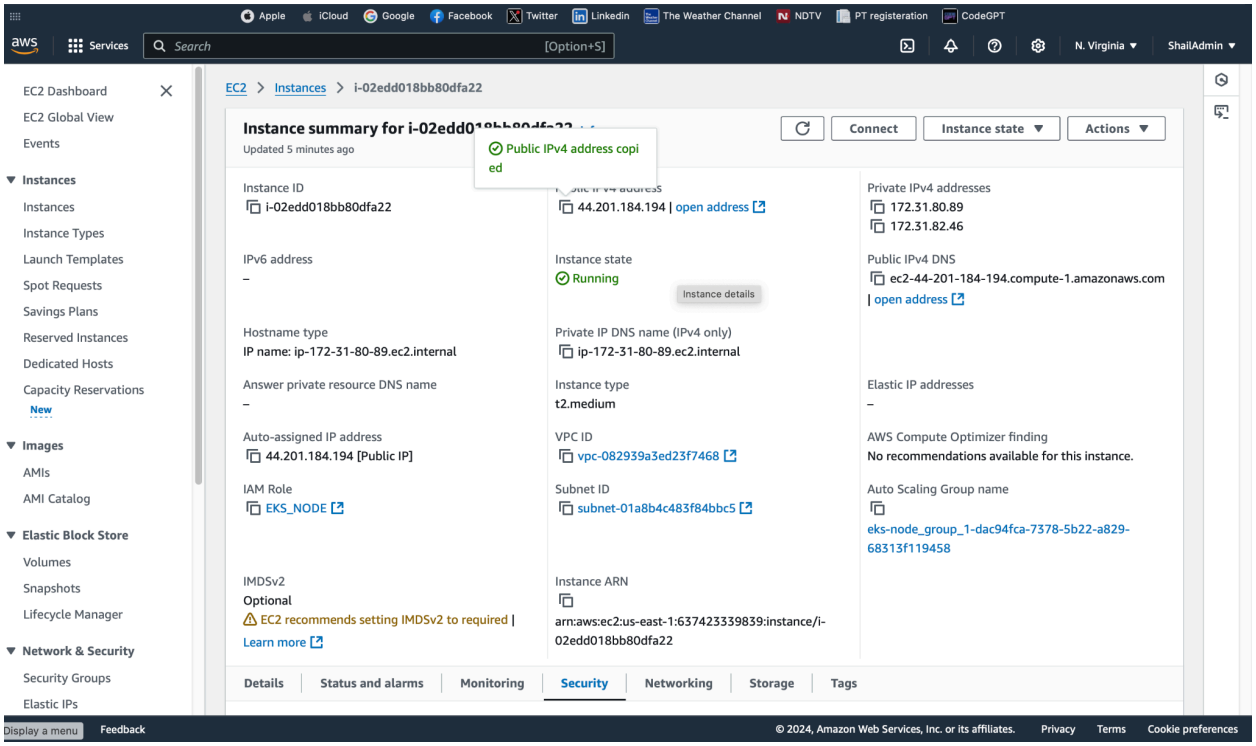


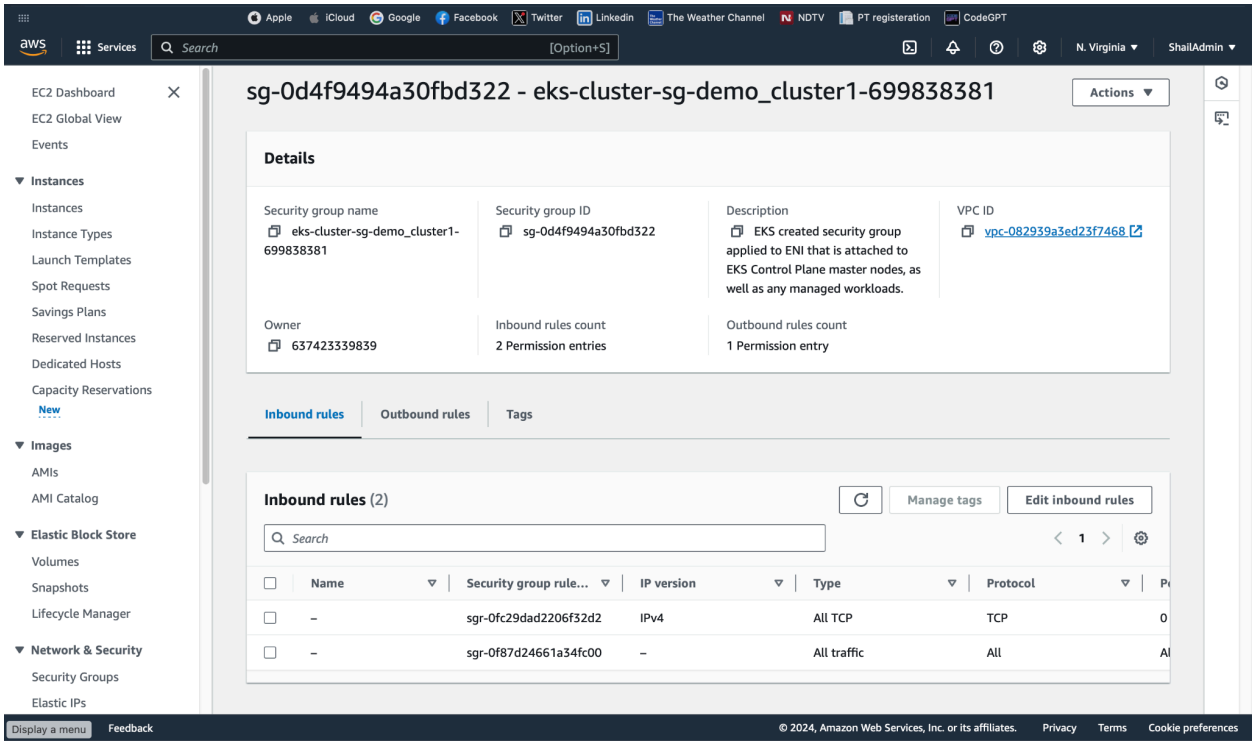
Check the IP



Check Public IP



Open the https port in sg



IP address will be like http://44.201.184.194:32613/

Public IP.Port No

You will get port no

```
NAME         TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
kubernetes   ClusterIP   10.100.0.1   <none>        443/TCP   76m
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl expose pod nginx-pod3 --type=NodePort --port=80 --name=my-first-service
service/my-first-service exposed
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get svc
NAME               TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
kubernetes         ClusterIP   10.100.0.1      <none>        443/TCP        79m
my-first-service   NodePort    10.100.235.38   <none>        80:32613/TCP   11s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl gets po -wide
error: unknown command "gets" for "kubectl"

Did you mean this?
```

Apple iCloud Google Facebook Twitter Linkedin The Weather Channel NDTV PT registeration CodeGPT

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.

Display a menu

Login to the Pods

CloudShell Actions

us-east-1 +

```
service/my-first-service exposed
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get svc
NAME               TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
kubernetes         ClusterIP   10.100.0.1      <none>        443/TCP        79m
my-first-service   NodePort    10.100.235.38   <none>        80:32613/TCP   11s
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl gets po -wide
error: unknown command "gets" for "kubectl"

Did you mean this?
        set
        get
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl gets pods -wide
error: unknown command "gets" for "kubectl"

Did you mean this?
        set
        get
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get po -wide
error: unknown shorthand flag: 'i' in -ide
See 'kubectl get --help' for usage.
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods -o -wide
error: unable to match a printer suitable for the output format "-wide", allowed formats are: custom-columns,custom-columns-file,go-template,go-template-file,json,jsonpath,jsonpath-as-json,jsonpath-file,name,template,templatefile,wide,yaml
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl get pods -o wide
NAME       READY   STATUS    RESTARTS   AGE     IP              NODE                          NOMINATED NODE   READINESS GATES
nginx-pod  1/1     Running   0          8m38s   172.31.10.33    ip-172-31-7-191.ec2.internal  <none>           <none>
nginx-pod3  1/1     Running   0          4m43s   172.31.86.190   ip-172-31-80-89.ec2.internal  <none>           <none>
[cloudshell-user@ip-10-132-61-114 ~]$ kubectl exec -it nginx-pod3 -- bin/bash
root@nginx-pod3:/# ls
bin  boot  dev  docker-entrypoint.d  docker-entrypoint.sh  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@nginx-pod3:/#
```

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