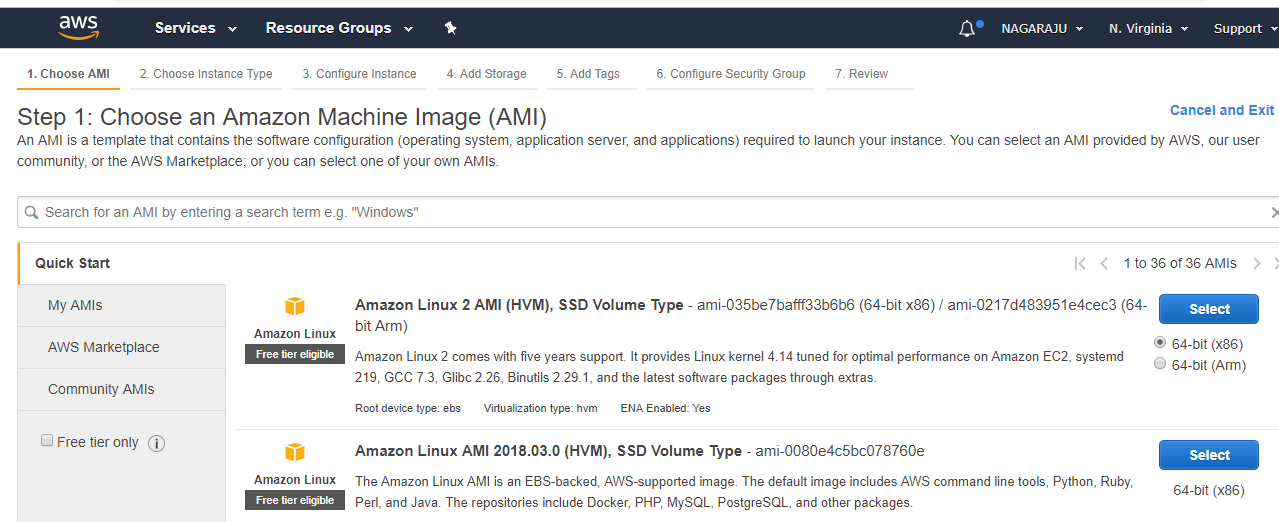
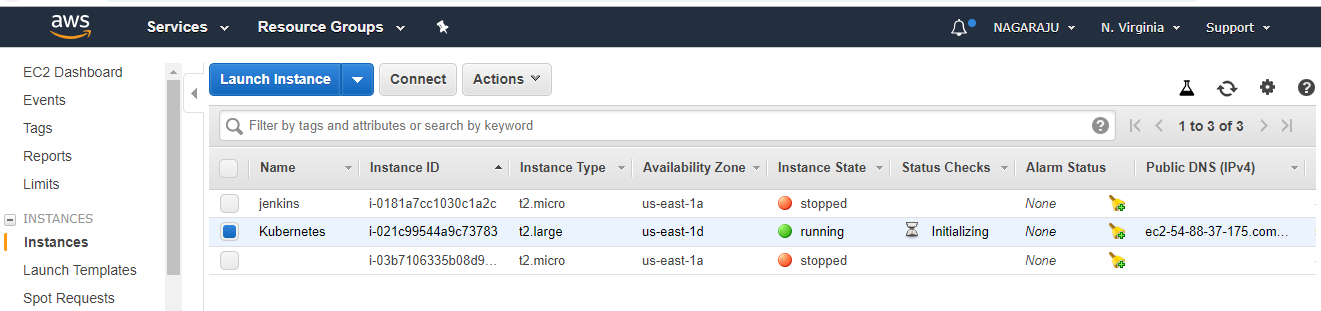
KUBERNETES INSTALLATON ( K8s )

Any Linux machine u can install K8s, so I have AWS account taking one Linux VM.

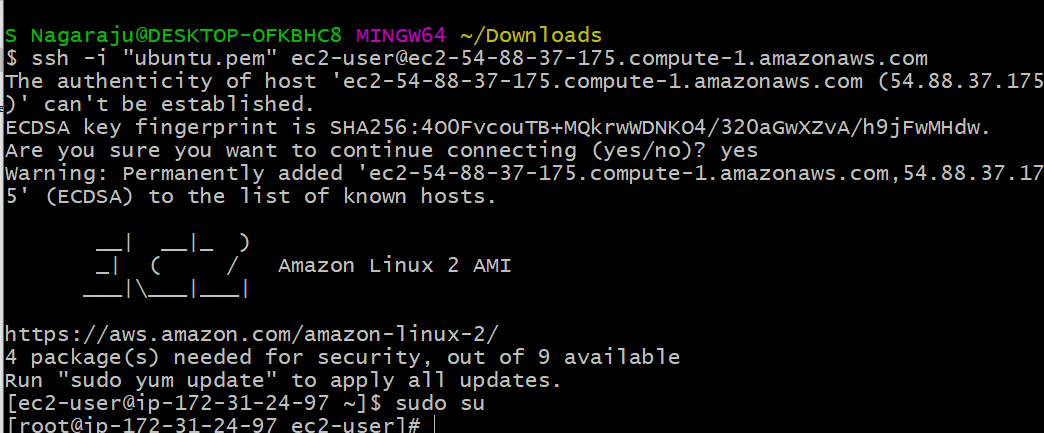


First one I am launching and take t2 Large

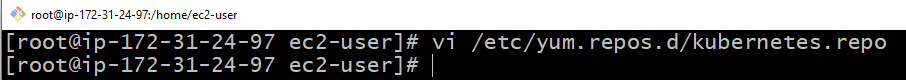


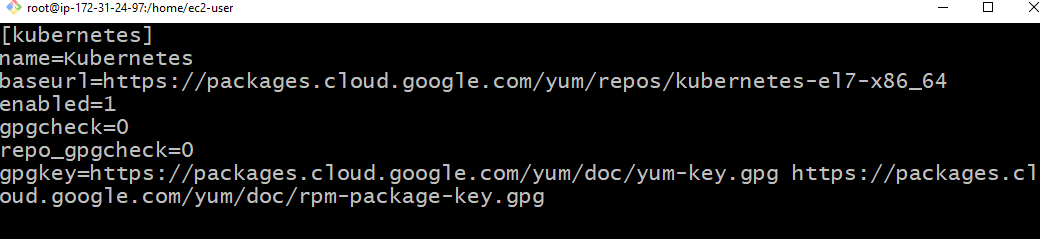
My Linux VM is running

Now I am login to VM



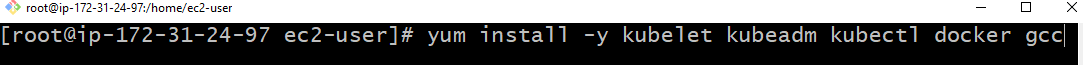
Install kubernetes in Linux VM

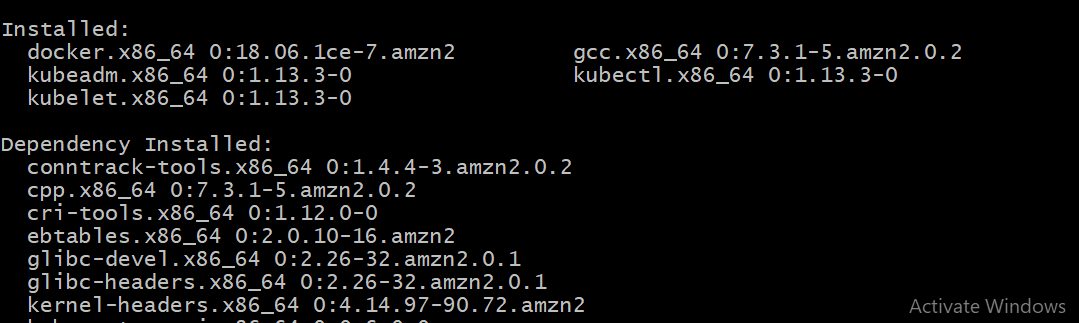




Save it that file

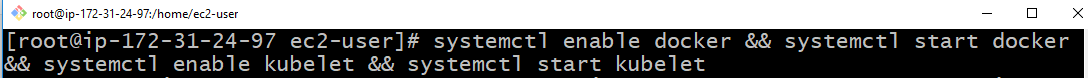
#Install kubelet , kubeadm and Docker

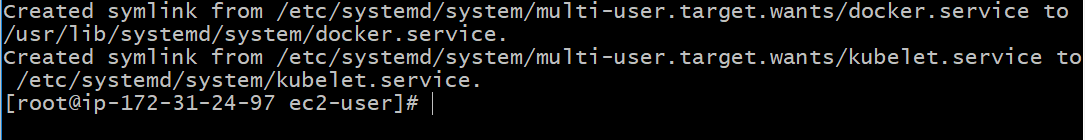




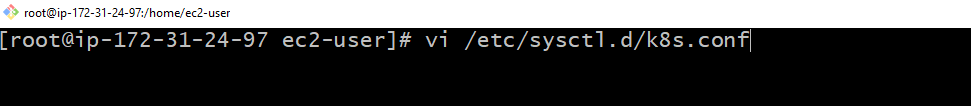
It installs the Kubelet, kubeadm and docker

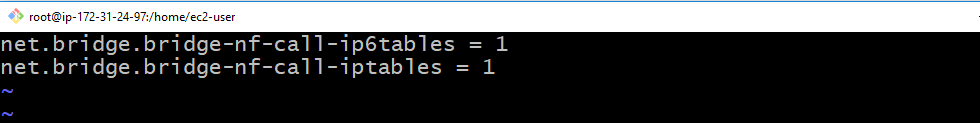
Now start the service





vi /etc/sysctl.d/k8s.conf

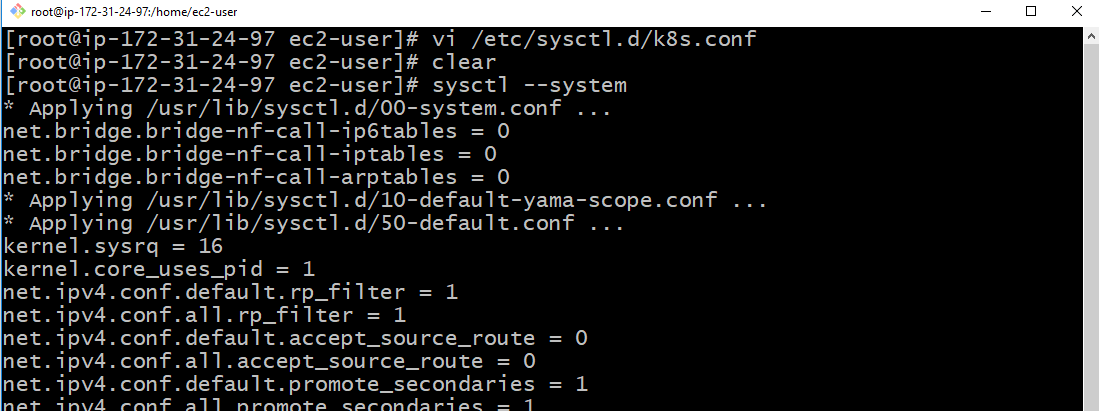


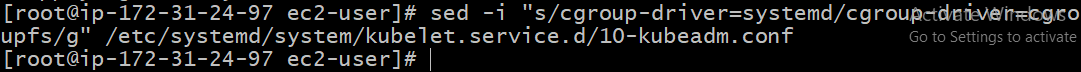


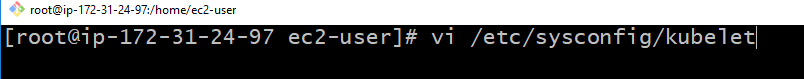
Save the file

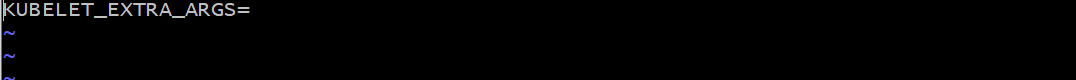
#Run following commands

|  |
| --- |
|  |

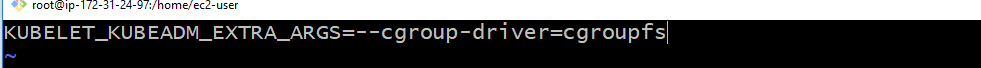




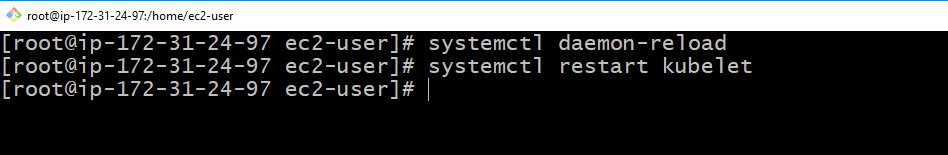




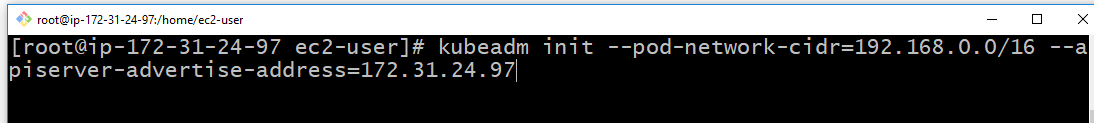
Once file opens it shows KUBELET\_EXTRA-ARGS= (REMOVED) AND PASTE

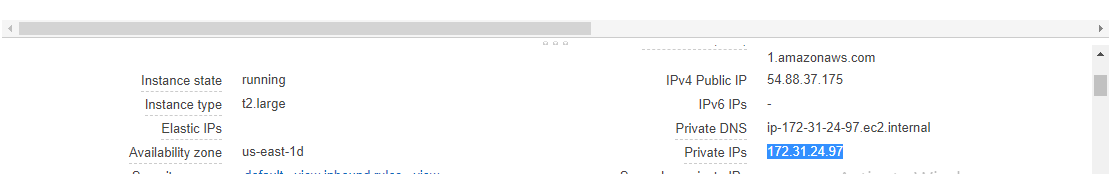


#Restart Kubelet

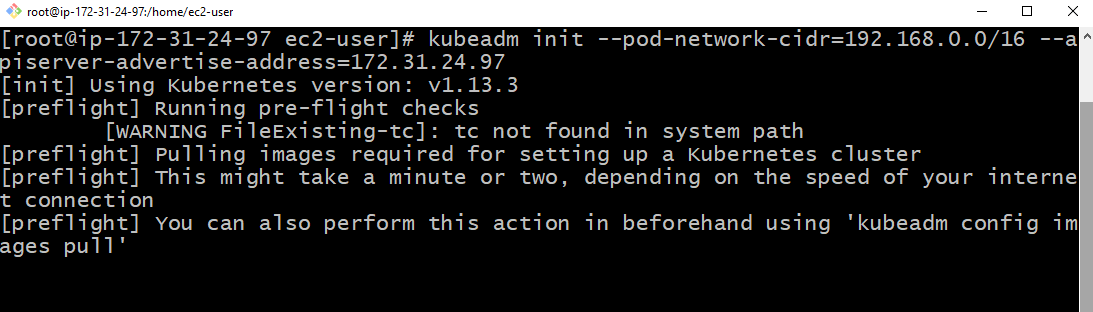


#create cluster

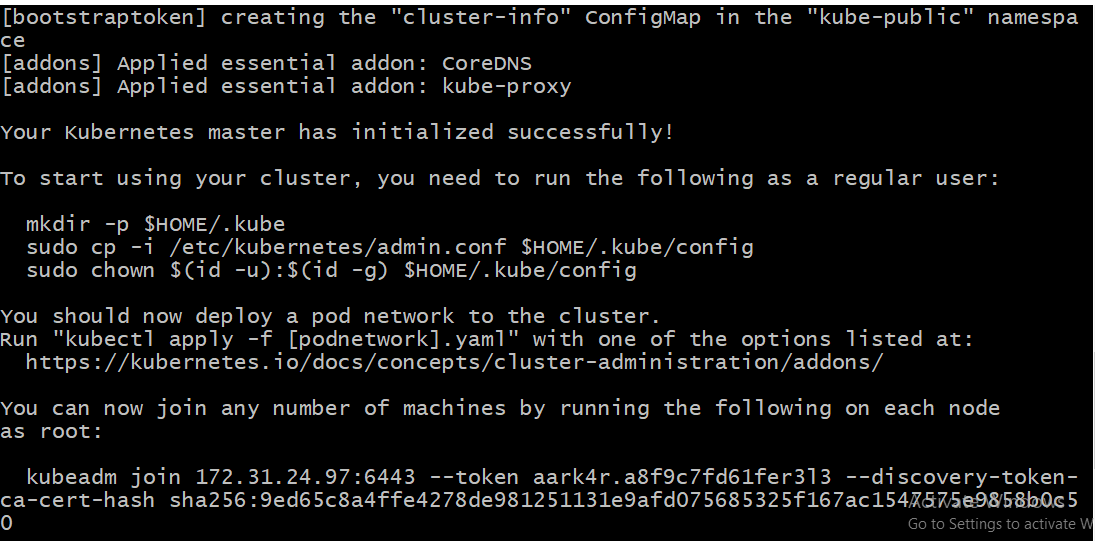




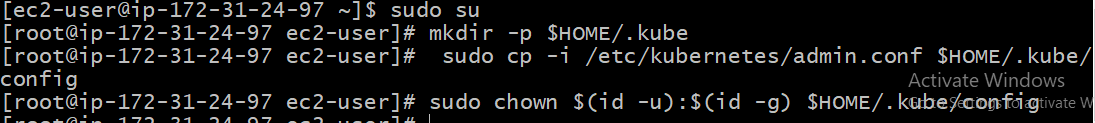
My Private IP is given



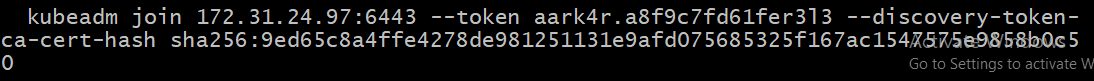
It will install all configuration and certificates

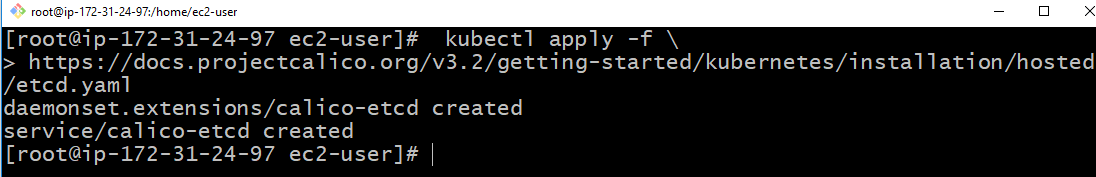


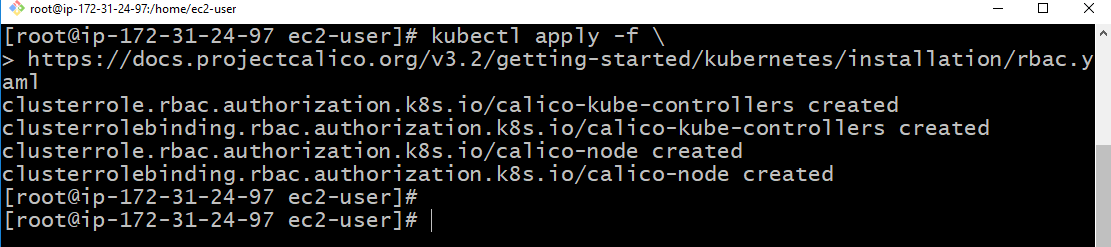
Run the commands

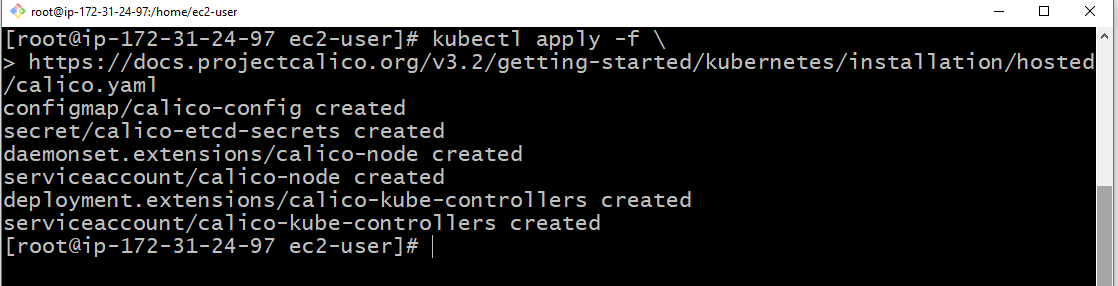


Copy the kubeadm join

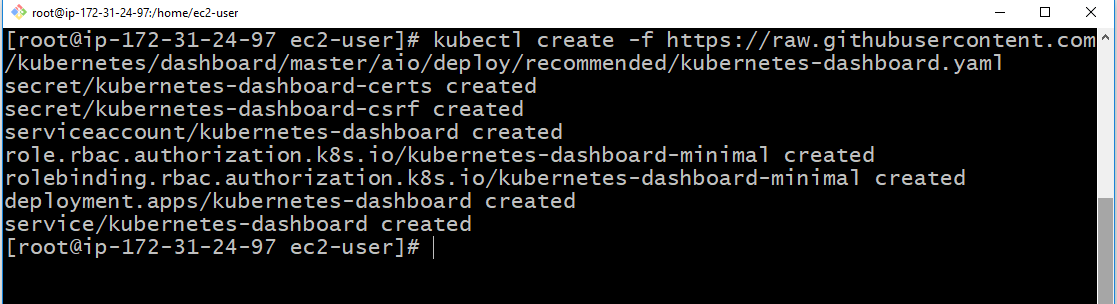






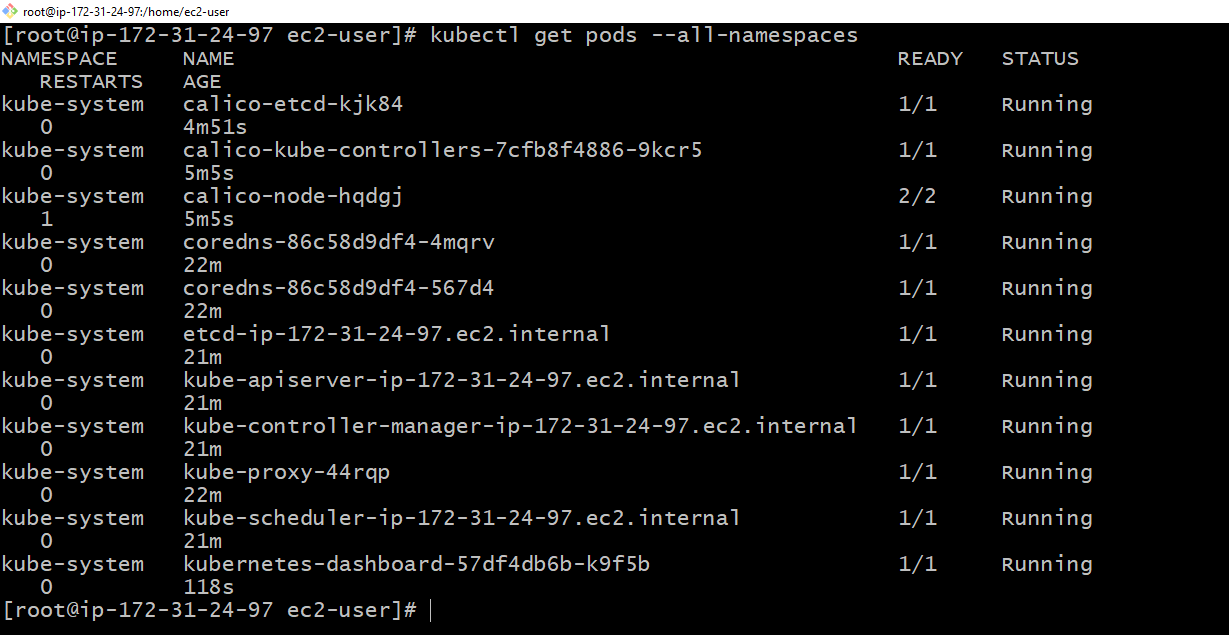


#refer <https://kubernetes.io/docs/tasks/access-application-cluster/web-ui-dashboard/>



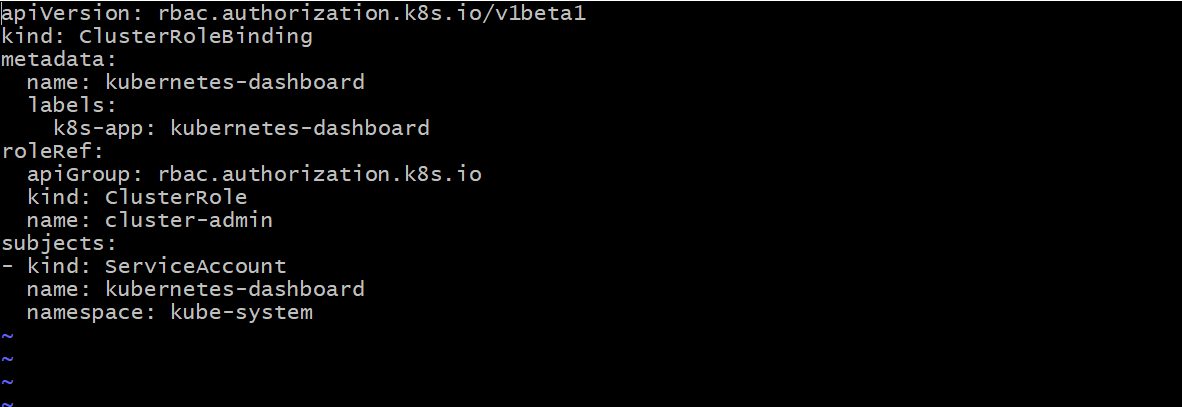
Now check the dashboard

Run this command : kubectl get pods --all-namespaces

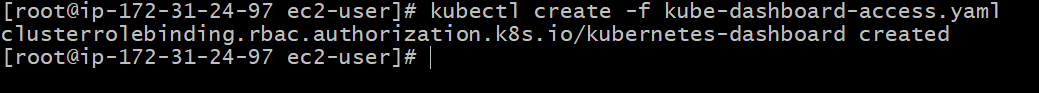


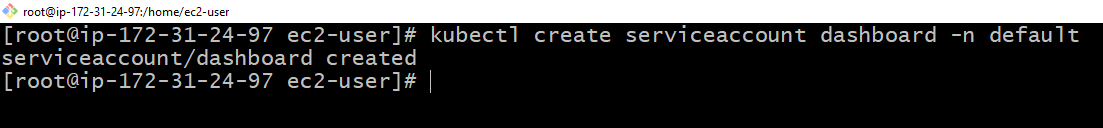
Check all are created and running

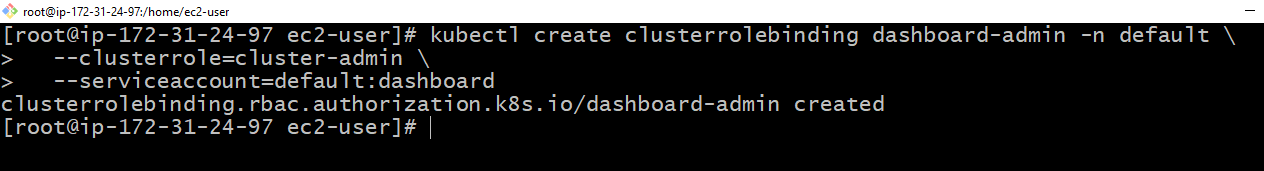
vi kube-dashboard-access.yaml

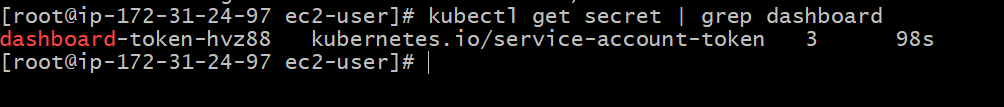


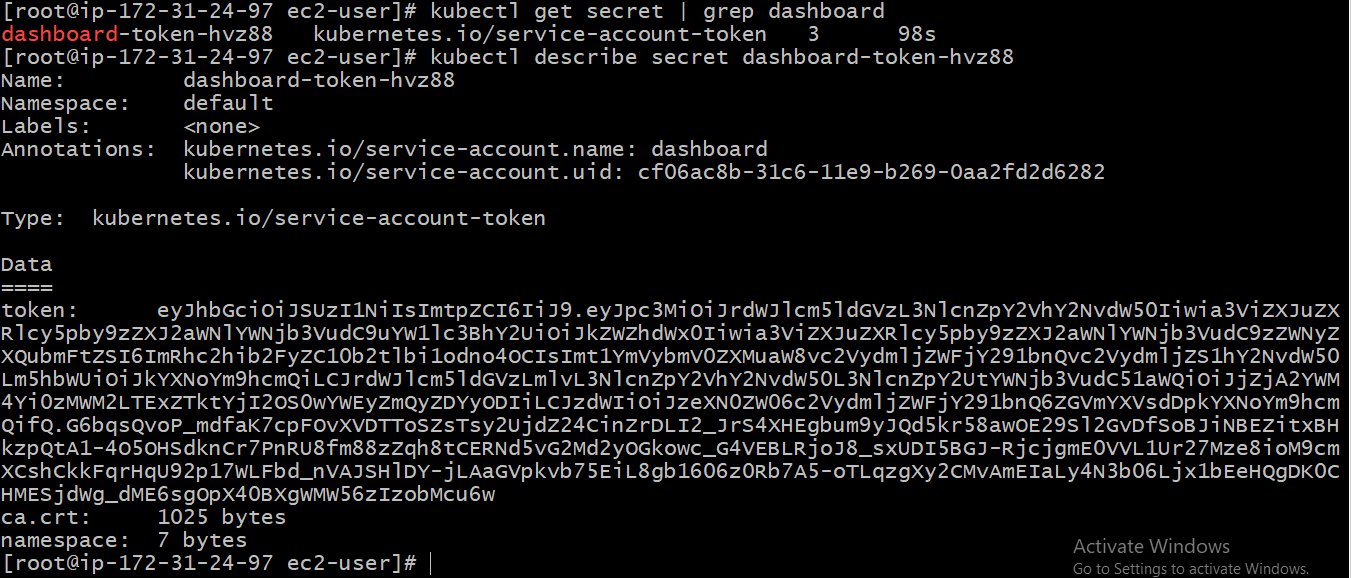
Run this commands



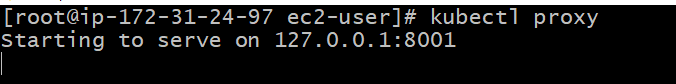




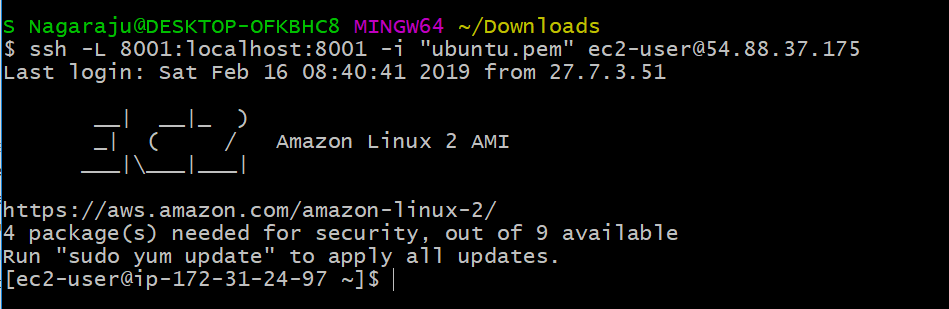




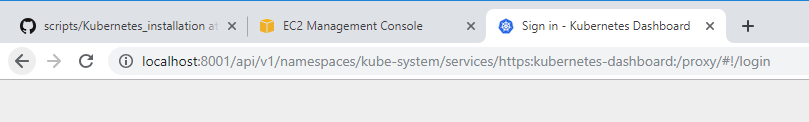
Copy the token one notepad + + file

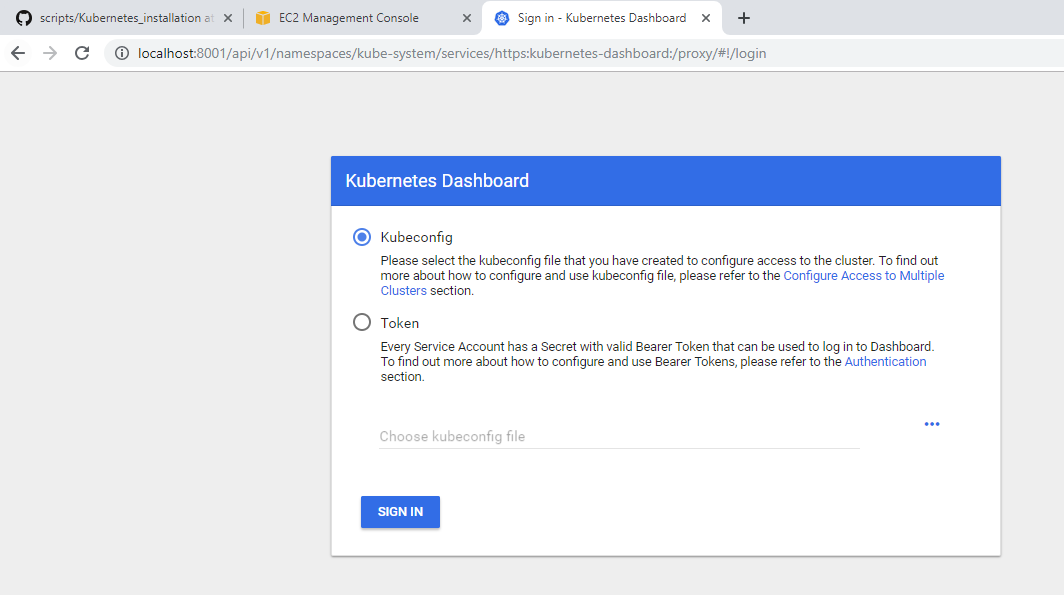


Open one more git bash where u copied u r pem file there open gitbash



Here I given public Ip address

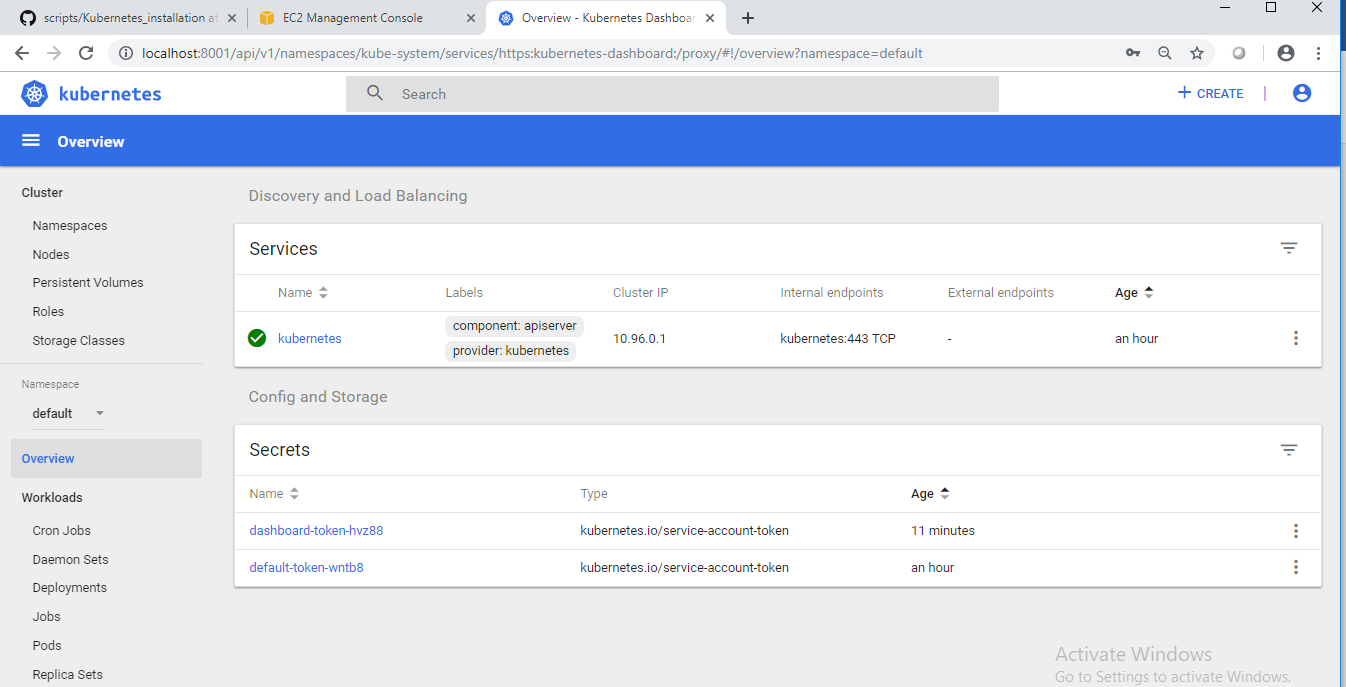




Select token

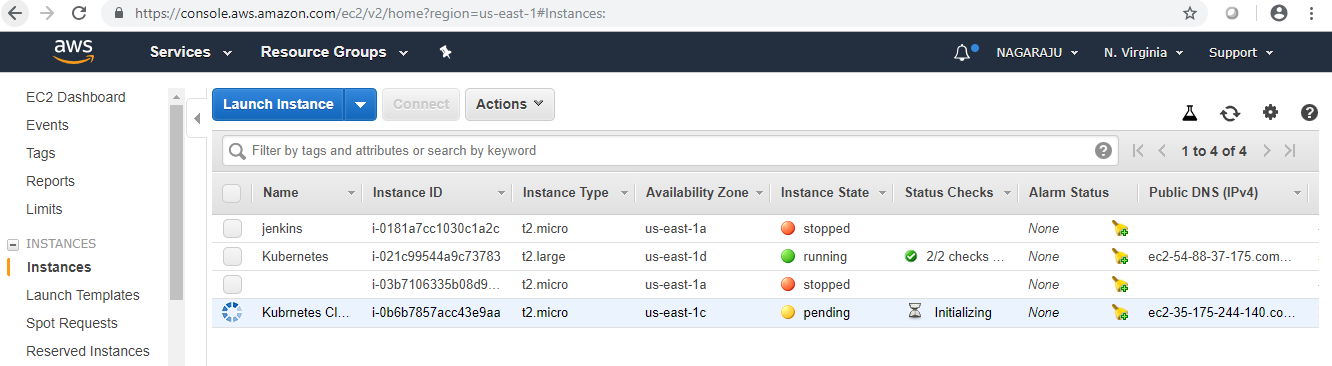
U copied the notepad + + that token u paste

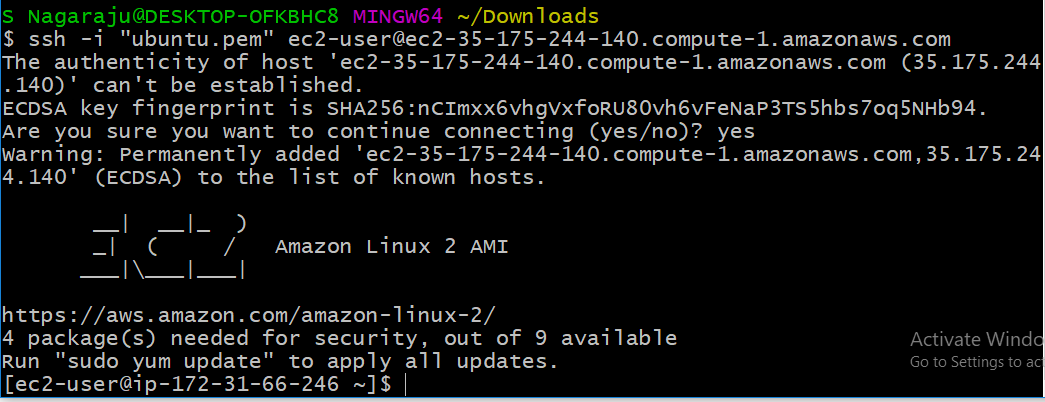
Now see the kubernetes dashboard



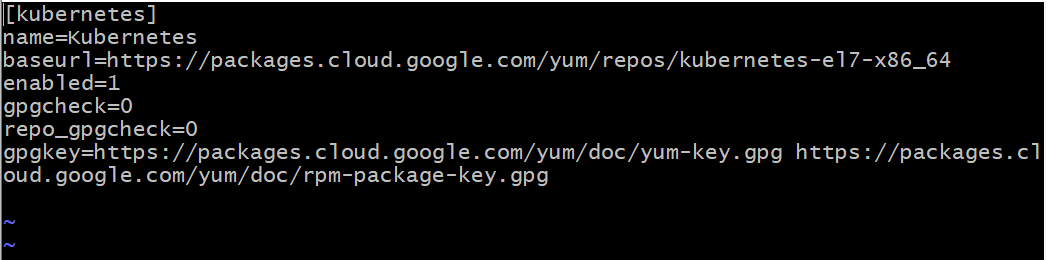
Now create one more VM configure the Master to Node

So I am taking one more Linux VM t2.micro

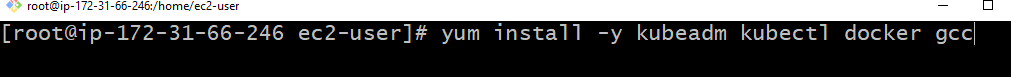




vi /etc/yum.repos.d/kubernetes.repo

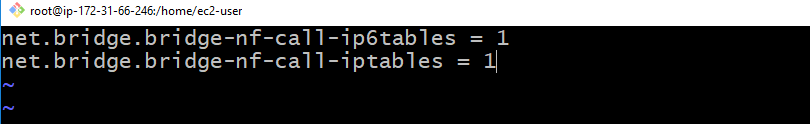


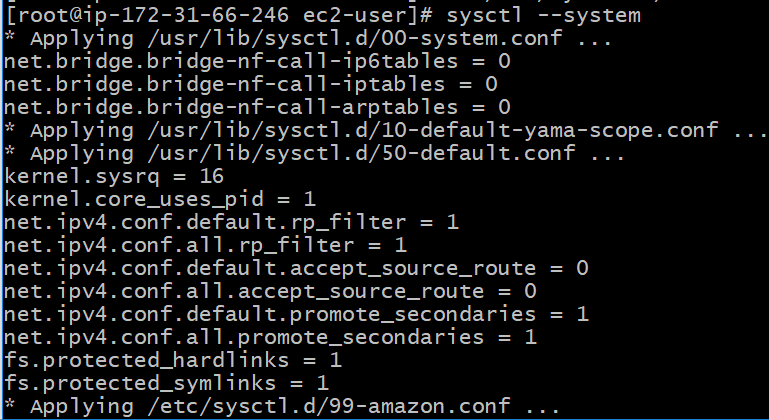
Here u install

kubeadm kubectl docker gcc 

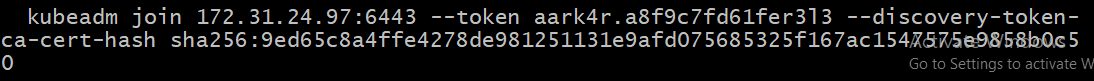
start the service



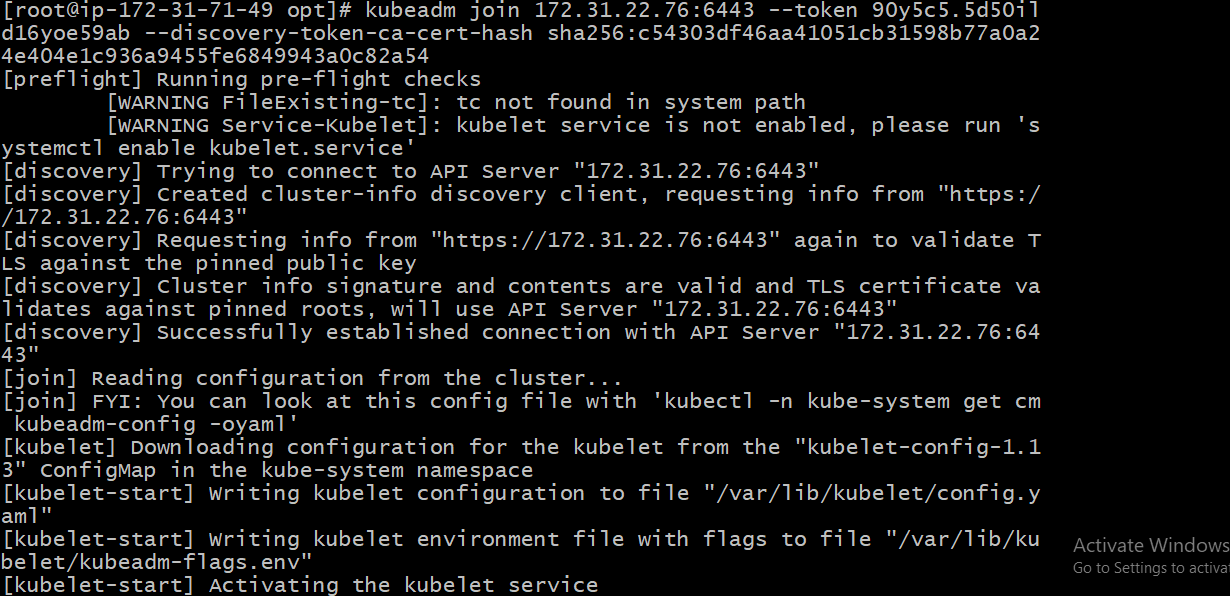


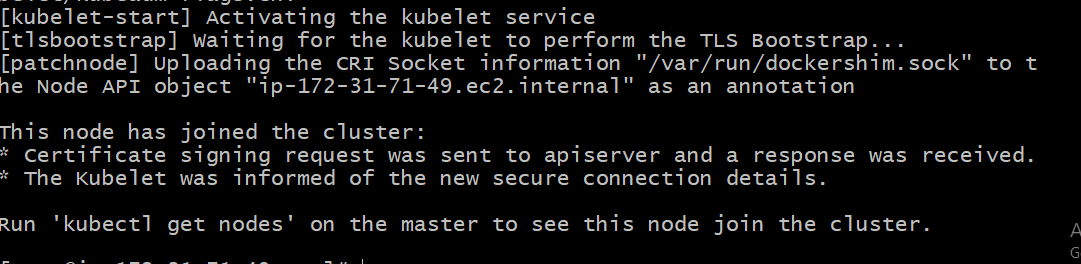


Now u run kube join command



It will configure the cluster in master





Configure Master and Node