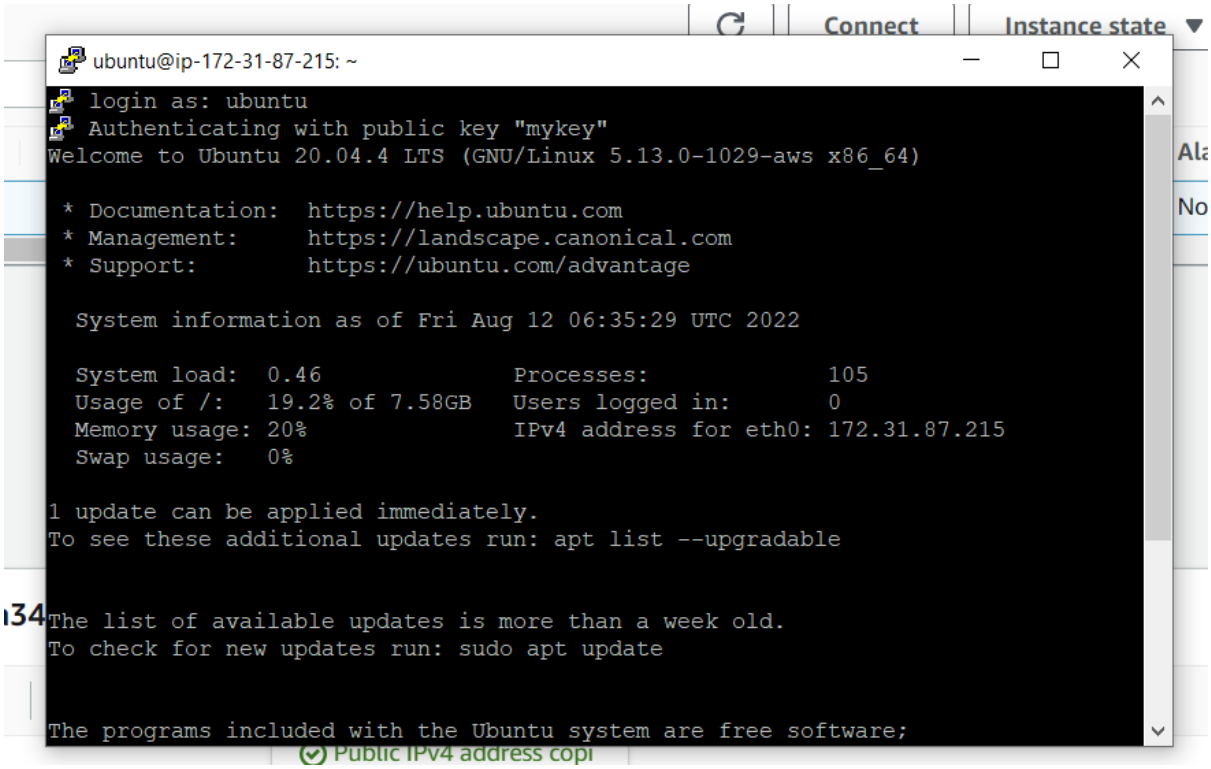
Installation of Kubernetes on Ubuntu instance

1. Create Ubuntu Instance on AWS
2. Open Putty application

Enter IP Address(Public IPV4 Address) from Ubuntu Instance

Click on SSH – Auth – Browser ppk file and click on OK Button

Login as Ubuntu

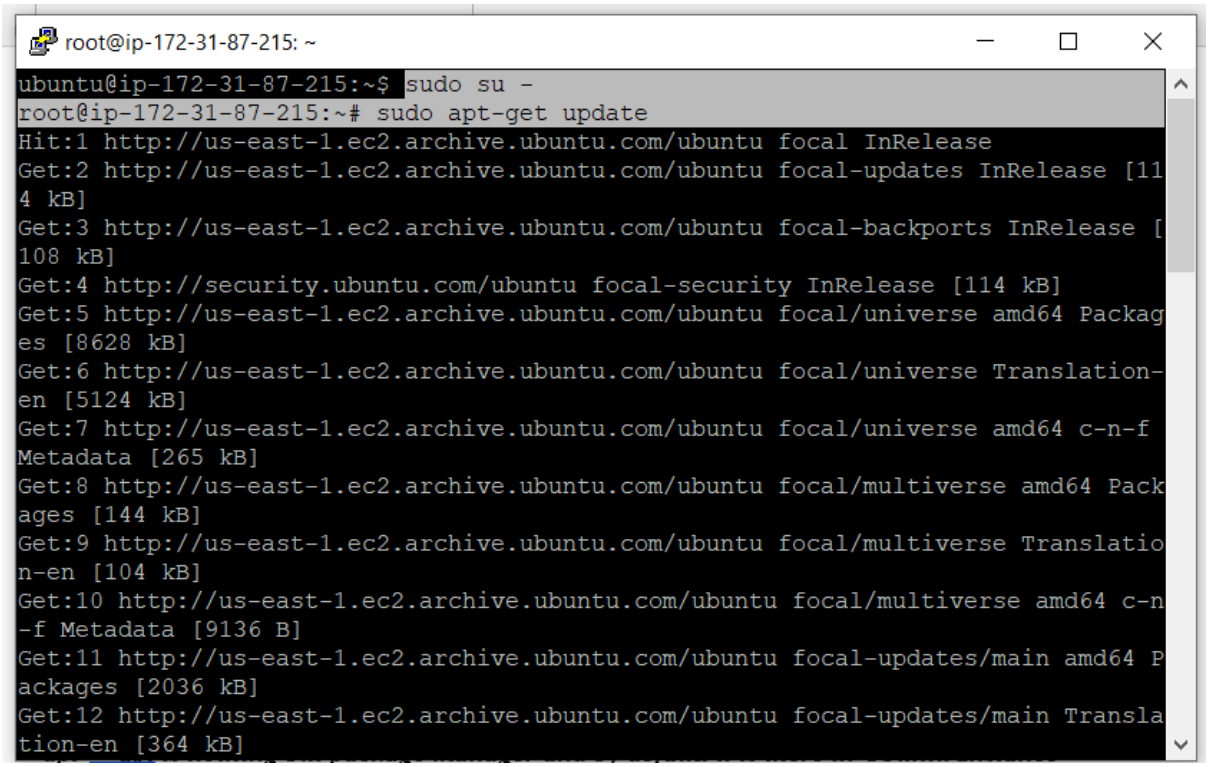


sudo su –

sudo apt-get update ***(this is for updation if anything is needed to update)***

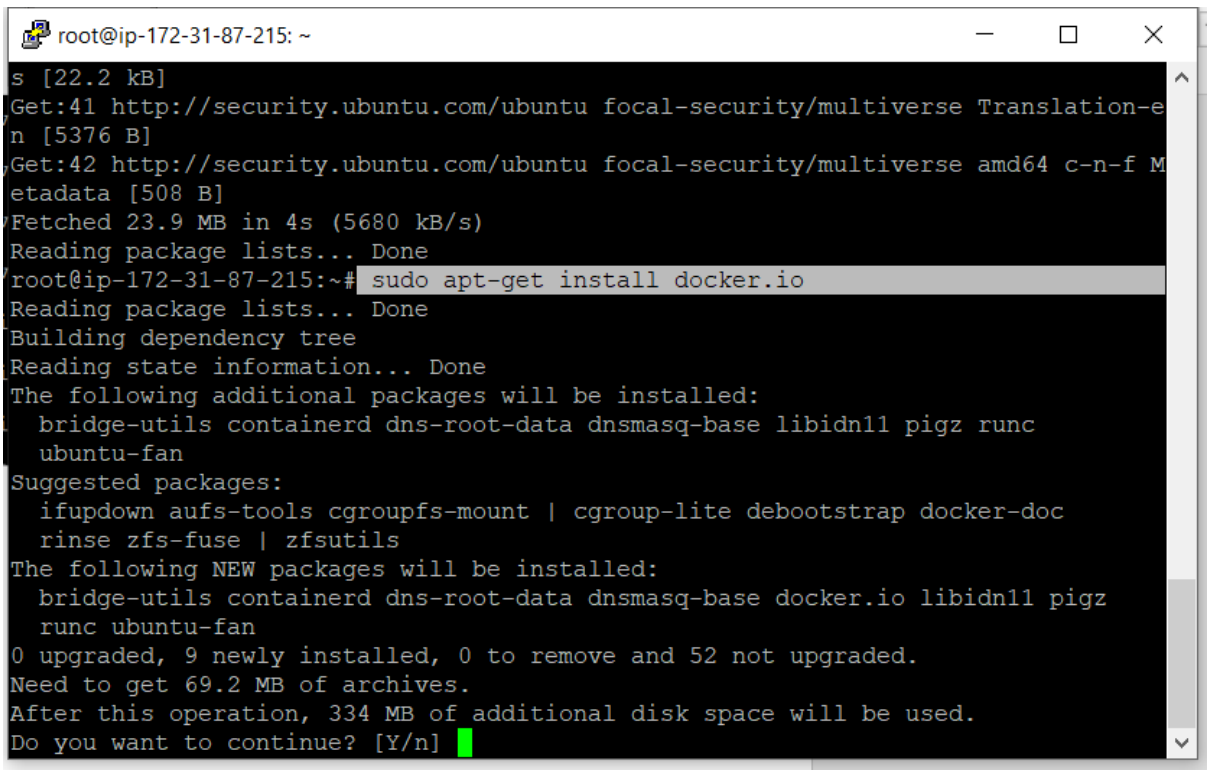
apt-> apt is nothing but package manager and by default it is there in Ubuntu Instance

sudo-> to access the user account with sudo if ubuntu the sudo command



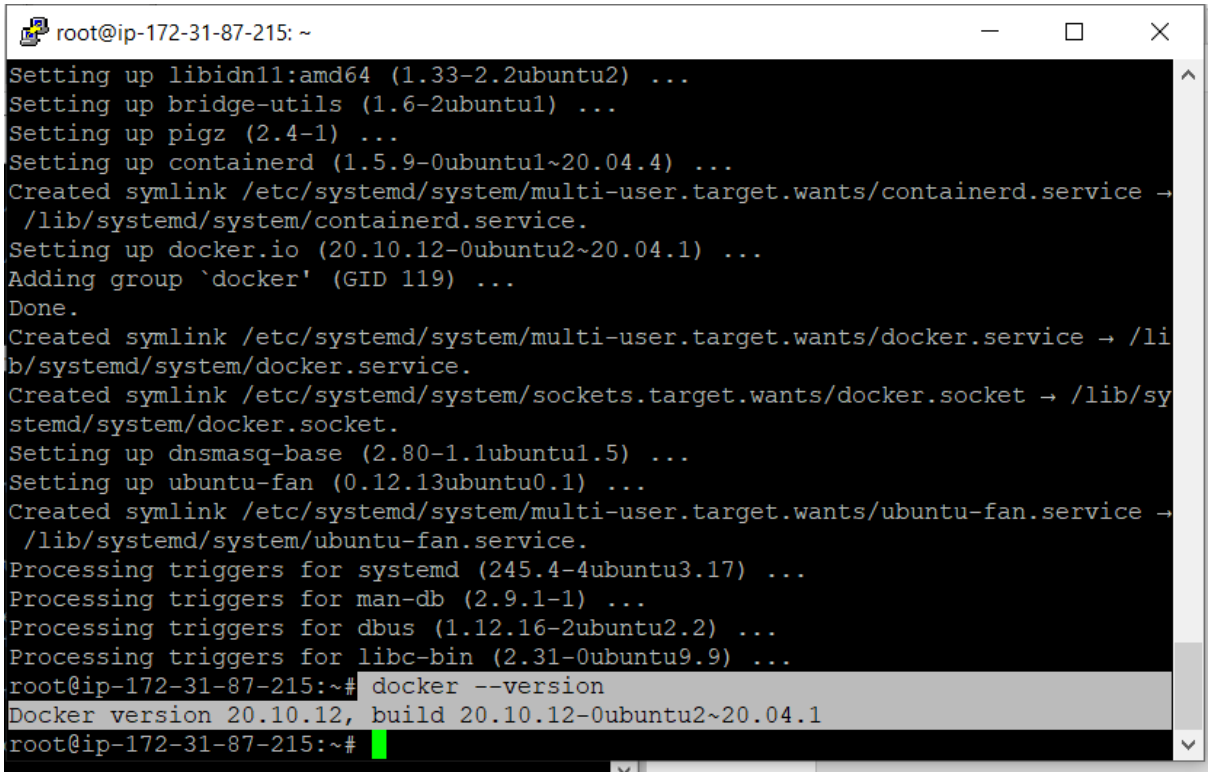
Install Docker

sudo apt-get install docker.io



Check Version

docker –version



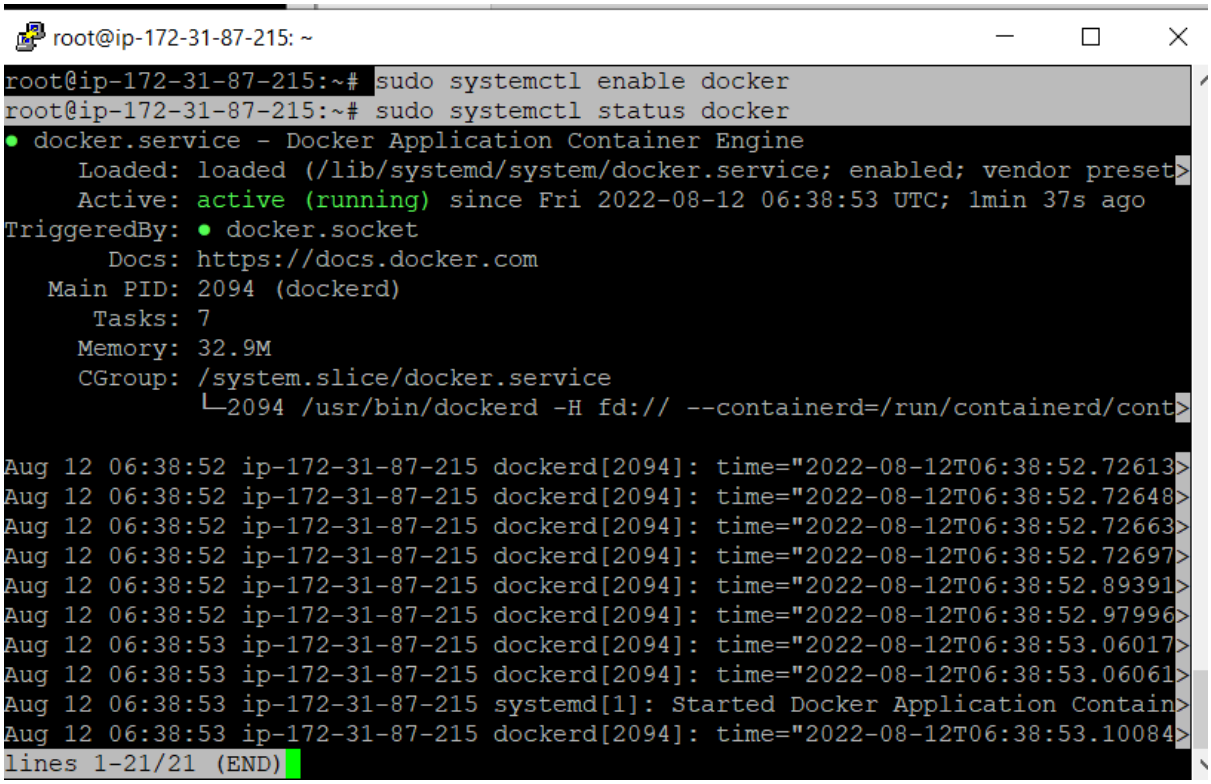
Start Docker

sudo systemctl enable docker

Verify docker is running

sudo systemctl status docker

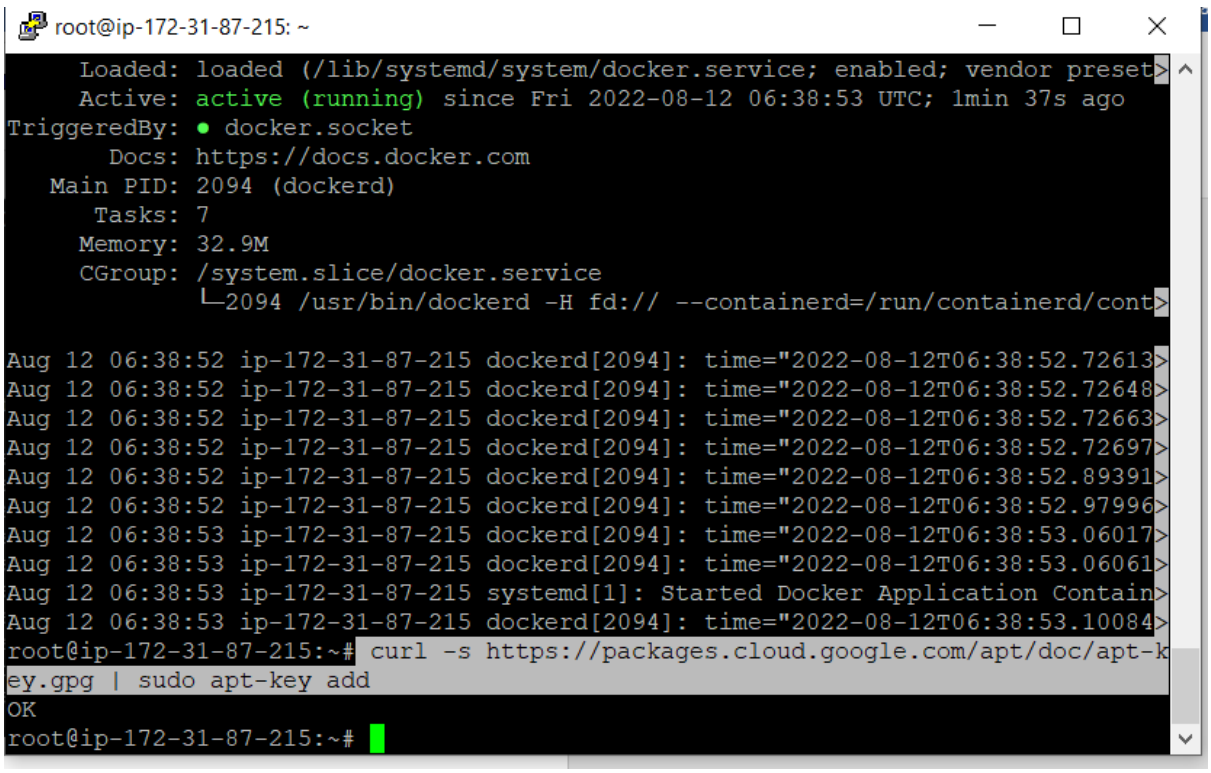
- ***At end of the line type*** **:q** ***to come out of the status***



Install K8s(Kubernetes)

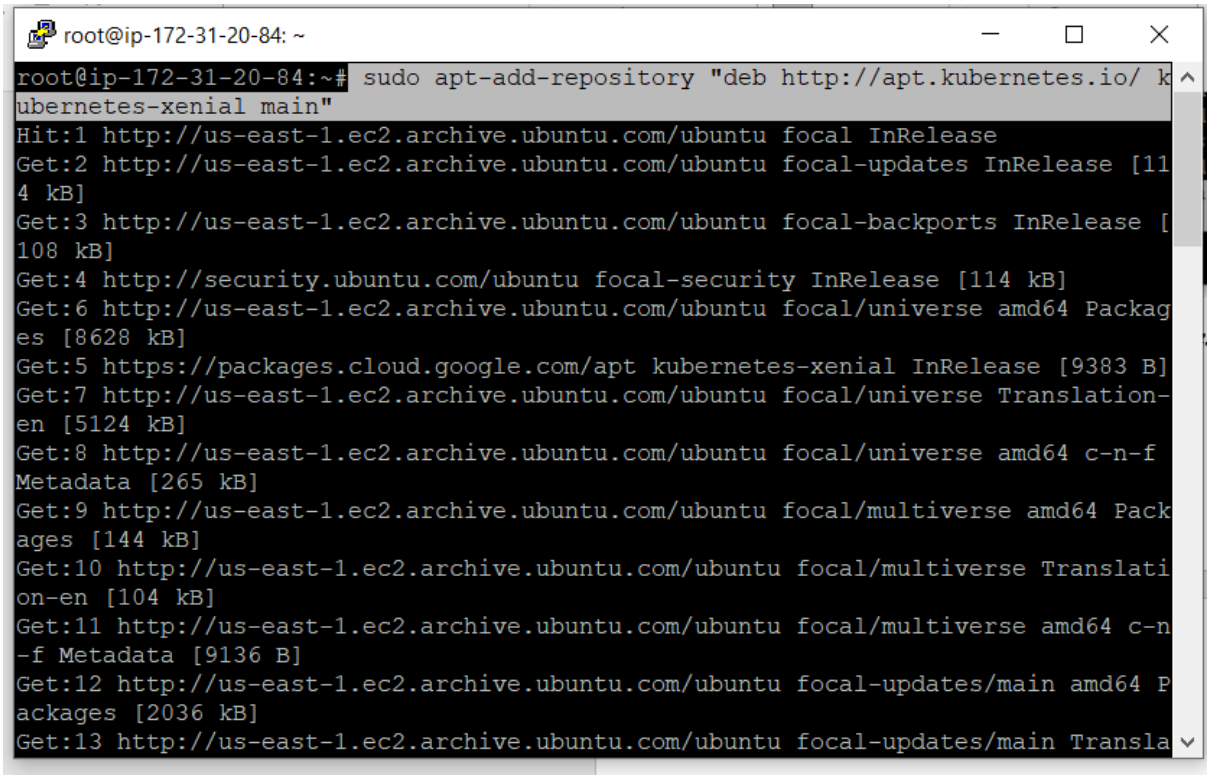
Add Kubernetes signing key(Just to ensure the software is authentic or not)

curl -s https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo apt-key add



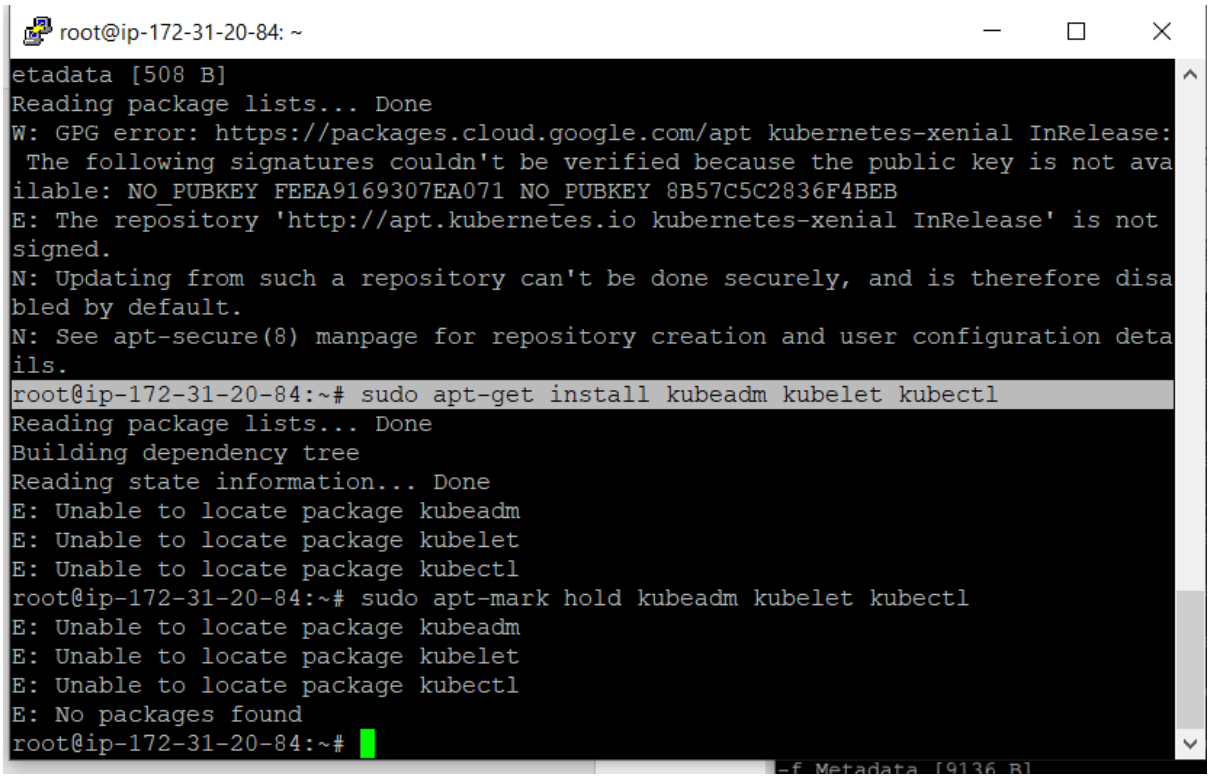
Add Software Repositories(Kubernetes is not included in the default repository so to add it we enter this command)

sudo apt-add-repository “deb http://apt.kubernetes.io/ kubernetes-xenial main”

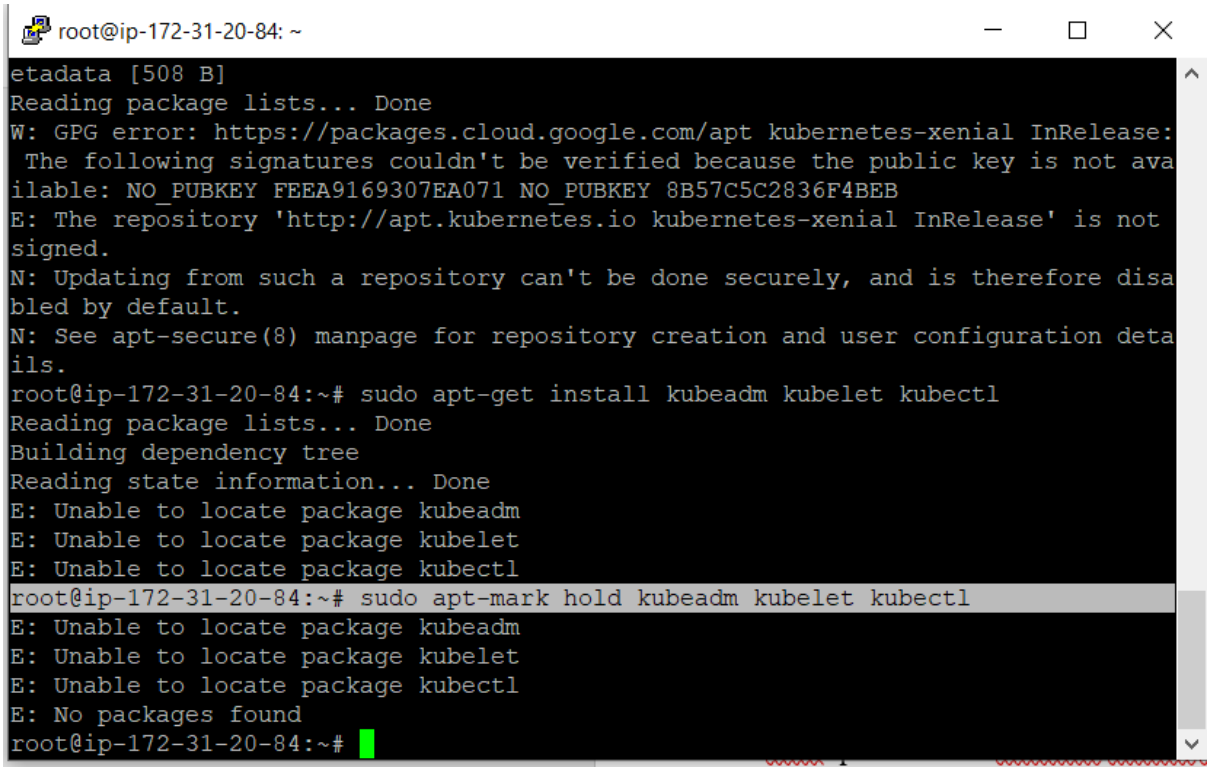


Install K8s tools

sudo apt-get install kubeadm kubelet kubectl



sudo apt-mark hold kubeadm kubelet kubectl



Check Version

kubeadm version

Installing Kubernetes on AWS using Kops

(19) Kubernetes On AWS | Kubernetes On AWS On AWS EC2 | Kubernetes Architecture | Kubernetes |Simplilearn - YouTube

Install Kubernetes

(19) Install Kubernetes | Setup Kubernetes Step by Step | Kubernetes Training | Intellipaat - YouTube

Install Kubernetes and Minikube on Windows 8, 10, or 11

(19) Install Kubernetes and Minikube on Windows 8, 10, or 11 | Kubernetes Tutorial for beginners 2022 #1 - YouTube

Kubernetes

minikube start | minikube (k8s.io)