**Kubernetes**

Kubernetes Cluster Setup

* Create one security group with protocol as “ All Traffic” port range as 0-65535
* Create 3 ubnutu Servers using above created security group

1. Masteer Node(t2.medium)
2. Worker nodes(t2.micro)

########Master &Worker Nodes Commands###

Step1: Install Docker

$sudo apt-get update

$ sudo apt-get install docker.io

$ docker –version

$ sudo usermod -aG docker $USER

$ sudo systemctl start docker

$ sudo systemctl enable docker

Step2: Installing Kubernetes

#install curl

$ sudo apt install curl

# Add the GpG Kubernetes key with the command:

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

# To add xenial Kubernetes repository

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

# Installing kubeadm(Kubernetes Admin)

$ sudo apt-get install kubeadm kubelet kubectl Kubernetes-cni

# To check the verions

$ sudo apt-mark hold kubeadm kubelet kubectl Kubernetes-cni

# check kubeadm

$ kubeadm version

# Disable swap memory

$ sudo swapoff -a

$ sudo systemctl deamon-reload

$ sudo systemctl start kubelet

$ sudo systemctl enable kubelet\_service