p

**Setup Kubernetes Master and Worker Nodes on AWS Environment**

Run the below commands in all three nodes:

**Switch to root user**

* sudo su -

**Update the System**

* apt-get update

**Install http package**

* apt-get install apt-transport-https

**Docker Installation**

* apt install docker.io -y
* docker --version
* systemctl start docker
* systemctl enable docker

**Setup open GPG Key**

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

**Edit source list file**

* nano /etc/apt/sources.list.d/kubernetes.list

Add below line in the above file

* deb http://apt.kubernetes.io/ kubernetes-xenial main

Ctrl X

Y

Enter

**Install the Kubernetes packages**

* apt-get update
* apt-get install -y kubelet kubeadm kubectl kubernetes-cni

**BOOTSTRAPPING THE MASTER NODE (Only in MASTER Node)**

* kubeadm init

Copy the command to run in Nodes & Save it in a Notepad.

**Create both .kube and its parent directory (-p)**

* mkdir -p $HOME/.kube

**Copy configuration to kube directory (in config file)**

* cp -i /etc/kubernetes/admin.conf $HOME/.kube/config

**Provide user permissions to config file**

* chown $(id -u):$(id -g) $HOME/.kube/config

Deploy flanner node network for its repository path. Fannel is going to place a binary in each node

* kubectl apply –https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml

**Configure Worker Nodes**

COPY LONG CODE PROVIDED MY MASTER IN NODE NOW LIKE CODE GIVEN BELOW

kubeadm join 172.31.14.32:6443 --token mcvd2n.aqvyp59vq3inhtks --discovery-token-ca-cert-hash sha256:5ab6e6d695d31c05a4e4cde8f6e7b14ff0d0b450383e9b255270be90904de128

GO TO MASTER AND RUN THIS COMMAND

kubectl get nodes