***Kubernatics Implemenation***

***Step 1.***

*Run both Master & Worker*

*sudo apt-get update*

*sudo apt-get install docker.io*

*sudo apt-get update*

*sudo apt-get update && sudo apt-get install -y apt-transport-https curl*

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

*cat <<EOF | sudo tee /etc/apt/sources.list.d/kubernetes.list*

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

*EOF*

*sudo apt-get update*

*sudo apt-get install -y kubelet kubeadm kubectl*

***Step 2***

*Run on Master*

*kubeadm init --apiserver-advertise-address=172.31.33.177 --pod-network-cidr=192.168.0.0/16*

*systemctl enable docker.service*

*kubeadm init --apiserver-advertise-address=172.31.33.177 --pod-network-cidr=192.168.0.0/16 --ignore-preflight-errors=NumCPU*

***Step 3***

*run on slave*

*systemctl enable docker.service*

*kubeadm join 172.31.33.177:6443 --token c72amd.8h4i42waymfe841b \*

*--discovery-token-ca-cert-hash sha256:2fee1e1b32d131372096e26382f80b64b253e98bed8bf44ccd9da85400569e07*

*Recommended /etc/docker/daemon.json*

*{*

*"exec-opts": ["native.cgroupdriver=systemd"],*

*"log-driver": "json-file",*

*"log-opts": {*

*"max-size": "100m"*

*},*

*"storage-driver": "overlay2"*

*}*

*open*

***Step 4***

*command on master node to configure path*

*mkdir -p $HOME/.kube*

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

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