sudo apt-get update

sudo apt-get install docker.io

docker ––version

sudo systemctl enable docker

sudo systemctl status docker

sudo systemctl start docker

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

sudo apt-get install curl

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

sudo apt-get install kubeadm kubelet kubectl

sudo apt-mark hold kubeadm kubelet kubectl

kubeadm version

sudo swapoff –a

sudo hostnamectl set-hostname master-node

sudo hostnamectl set-hostname worker01

sudo kubeadm init --pod-network-cidr=10.244.0.0/16

kubernetes-master:~$ mkdir -p $HOME/.kube

kubernetes-master:~$ sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config

kubernetes-master:~$ sudo chown $(id -u):$(id -g) $HOME/.kube/config

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

kubectl get pods --all-namespaces

kubeadm join --discovery-token abcdef.1234567890abcdef --discovery-token-ca-cert-hash sha256:1234..cdef 1.2.3.4:6443

kubectl get nodes

kubernetes-master:~$ mkdir -p $HOME/.kube

kubernetes-master:~$ sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config

kubernetes-master:~$ sudo chown $(id -u):$(id -g) $HOME/.kube/config