```
sudo su
apt-get update
apt-get install apt-transport-https
apt install docker.io -y
docker --version
systemctl start docker
systemctl enable docker
sudo curl -s https://packages.cloud.google.com/apt... | sudo apt-key add
nano /etc/apt/sources.list.d/kubernetes.list
deb http://apt.kubernetes.io/ kubernetes-xenial main
apt-get update
apt-get install -y kubelet kubeadm kubectl kubernetes-cni
BOOTSTRAPPING THE MASTER NODE (IN MASTER)
kubeadm init
COPY THE COMMAND TO RUN IN NODES & SAVE IN NOTEPAD
mkdir -p $HOME/.kube
cp -i /etc/kubernetes/admin.conf $HOME/.kube/config
chown $(id -u):$(id -g) $HOME/.kube/config
kubectl apply -f https://raw.githubusercontent.com/cor...
```

kubectl apply -f https://raw.githubusercontent.com/cor...

CONFIGURE WORKER NODES (IN NODES)

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

e.g- kubeadm join 172.31.6.165:6443 --token kl9fhu.co2n90v3rxtqllrs --discovery-token-ca-cert-hash

sha256:b0f8003d23dbf445e0132a53d7aa1922bdef8d553d9eca06e65c928322b3e7c0

GO TO MASTER AND RUN THIS COMMAND

kubectl get nodes

sudo su

Now install docker

sudo apt update && apt -y install docker.io

install Kubectl

curl -LO https://storage.googleapis.com/kubern... -s

 $https://storage.googleap is.com/kubern...\ \&\&\ chmod\ +x\ ./kubectl\ \&\&\ sudo\ mv\ ./kubectl$

/usr/local/bin/kubectl

install Minikube

curl -Lo minikube https://storage.googleapis.com/miniku... && chmod +x minikube &&

sudo mv minikube /usr/local/bin/

apt install Conntrack

minikubr start -vm-driver=none

//next time minikube

start only

minikube status

kind: Pod

apiVersion: v1

metadata: name: testpod spec: containers: name: c00 image: ubuntu command: ["/bin/bash", "-c", "while true; do echo Hello-Bhupinder; sleep 5; done"] restartPolicy: Never # Defaults to Always kubectl apply -f pod1.yml ************************************* ***** MULTI CONTAINER POD ENVIRONMENT kind: Pod apiVersion: v1 metadata: name: testpod3 spec: containers: name: c00 image: ubuntu command: ["/bin/bash", "-c", "while true; do echo Technical-Guftgu; sleep 5; done"] name: c01 image: ubuntu

command: ["/bin/bash", "-c", "while true; do echo Hello-Bhupinder; sleep 5; done"] ************************************ ***** POD ENVIRONMENT VARIABLES kind: Pod apiVersion: v1 metadata: name: environments spec: containers: name: c00 image: ubuntu command: ["/bin/bash", "-c", "while true; do echo Hello-Bhupinder; sleep 5; done"] # List of environment variables to be used inside the pod env: name: MYNAME value: BHUPINDER *********************************** ***** POD WITH PORTS kind: Pod apiVersion: v1 metadata: name: testpod4 spec:

containers:

name: c00

image: httpd

ports:

containerPort: 80