Add add Kubernetes repository for Ubuntu 20.04 to all the servers.

sudo apt -y install curl apt-transport-https

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

echo "deb https://apt.kubernetes.io/ kubernetes-xenial main" | sudo tee /etc/apt/sources.list.d/kubernetes.list

Install kubeadm package

sudo apt update

sudo apt -y install vim git curl wget kubelet kubeadm kubectl sudo apt-mark hold kubelet kubeadm kubectl

Confirm installation by checking the version of kubectl.

kubectl version --client && kubeadm version

Disable Swap

swapoff -a

Initialize Cluster with kubeadm

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

In case if it is failing

rm /etc/containerd/config.toml systemctl restart containerd

mkdir -p \$HOME/.kube sudo cp -i /etc/kubernetes/admin.conf \$HOME/.kube/config sudo chown \$(id -u):\$(id -g) \$HOME/.kube/config

Deploy flannel

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

root@ubuntu20:~/test# kubectl get	pods -n	kube-system			
NAME	READY	STATUS	RESTARTS	AGE	
coredns-565d847f94-nm6hr	0/1	Pending	0	7m53s	
coredns-565d847f94-vtb6k	0/1	Pending	0	7m53s	
etcd-ubuntu20	1/1	Running	0	8m6s	
kube-apiserver-ubuntu20	1/1	Running	0	8m6s	
kube-controller-manager-ubuntu20	1/1	Running	0	8m6s	
kube-proxy-vkm79	1/1	Running	0	7m53s	
kube-scheduler-ubuntu20	1/1	Running	0	8m6s	
root@ubuntu20:~/test# kubectl get	pods -n	kube-system			
NAME	READY	STATUS		RESTARTS	AGE
coredns-565d847f94-nm6hr	0/1	ContainerC	reating	0	7m58s
coredns-565d847f94-vtb6k	0/1	ContainerC	reating	0	7m58s
etcd-ubuntu20	1/1	Running		0	8m11s
kube-apiserver-ubuntu20	1/1	Running		0	8m11s
kube-controller-manager-ubuntu20	1/1	Running		0	8m11s
kube-proxy-vkm79	1/1	Running		0	7m58s
kube-scheduler-ubuntu20	1/1	Running		0	8m11s
root@ubuntu20:~/test# kubectl get	nodes				
NAME STATUS ROLES	AGE	VERSION			
ubuntu20 Ready control-plane		v1.25.0			
noothubuntu20/tost# louboat1 act	node n	laubo curatom			