Lab 4:

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/kube-flannel.yml*

