**KUBEADM**

**!!!!!!Don’t Memeorize the Installation steps just we can search and get it**

**DOCKER**

**https://docs.docker.com/engine/install/centos/**

**MASTER AND WORKER NODE**

**sudo yum install -y yum-utils**

**sudo yum-config-manager \**

**--add-repo \**

[**https://download.docker.com/linux/centos/docker-ce.repo**](https://download.docker.com/linux/centos/docker-ce.repo)

**sudo yum install docker-ce docker-ce-cli containerd.io**

**sudo systemctl start docker**

**sudo systemctl enable docker**

**sudo systemctl status docker**

**sudo swapoff -a**

**KUBERNETES**

**https://kubernetes.io/docs/setup/production-environment/tools/kubeadm/install-kubeadm/**

**MASTER AND WORKER NODE**

**cat <<EOF | sudo tee /etc/modules-load.d/k8s.conf**

**br\_netfilter**

**EOF**

**cat <<EOF | sudo tee /etc/sysctl.d/k8s.conf**

**net.bridge.bridge-nf-call-ip6tables = 1**

**net.bridge.bridge-nf-call-iptables = 1**

**EOF**

**sudo sysctl --system**

**cat <<EOF | sudo tee /etc/yum.repos.d/kubernetes.repo**

**[kubernetes]**

**name=Kubernetes**

**baseurl=https://packages.cloud.google.com/yum/repos/kubernetes-el7-\$basearch**

**enabled=1**

**gpgcheck=1**

**repo\_gpgcheck=1**

**gpgkey=https://packages.cloud.google.com/yum/doc/yum-key.gpg https://packages.cloud.google.com/yum/doc/rpm-package-key.gpg**

**exclude=kubelet kubeadm kubectl**

**EOF**

***# Set SELinux in permissive mode (effectively disabling it)***

**sudo setenforce 0**

**sudo sed -i 's/^SELINUX=enforcing$/SELINUX=permissive/' /etc/selinux/config**

**sudo yum install -y kubelet kubeadm kubectl --disableexcludes=kubernetes**

**sudo systemctl enable --now kubelet**

ONLY IN MASTER

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

Will display commands run same again in Master

Copy that Join fully and run in worker node with sudo command for the **connectivity b/w master and worker**

**WORKER NODE ---To Make Nodes Ready State**

**https://github.com/flannel-io/flannel**

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

In Worker you will get

[centos@worker ~]$ kubectl apply -f https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml

The connection to the server localhost:8080 was refused - did you specify the right host or port?

After sometime it will go to ready state

WORKER NODE-This is also for fannel to work correctly if I don’t give this …it will give some error as flannel error….Container will be in Pending only

link

https://www.programmersought.com/article/49072612658/?\_\_cf\_chl\_managed\_tk\_\_=a10afdcd83a48dc68448d5a0533f256fc4d5c80a-[1623673756](https://www.programmersought.com/article/49072612658/?__cf_chl_managed_tk__=a10afdcd83a48dc68448d5a0533f256fc4d5c80a-1623673756-0-AZvf2yItaRRW17wJ3O-DJjLol3H6yIQu3rep2NaxmqsYmT_e1Zbi3JtRi2lkDyGUkbPmxjbrJ19y4IN0siihbwr4hHjdJHGhO_VgQeIP7KFq6_n2vLqOvISAEwVEPENMU51vBBAwJeh-V-9-zlfKawybpP4G_JWueth-idPWdMHn4JHt-oSfcuIqjtOMFlwS8J3wYGjvs-PwHYs203YFu0mTEHYW9GfYGttdkzGuNk31LbHWa0Tm-FLPRjt5JyLdN9f0INHIYPd4T2hYjzmTxlRfjwunZyHdNX30QVUYaQtCDe7Zo1JbAmym3xH4i-e7bh8Wfh64ThRQVO_1TmTELutxrF5YFGNUwYgxOHA8ZwTvge02qNslZNOSqsPo8Fjl2lePtjU9FOIjmt2w5MZe8P-b-d1pbBTX4n-DWAmWbGgdG5bG57x32iDhY6fLx9m8NTi80SHQjfoaIuohqNmzFSXEQYtpbyE3WgP9rjnsXAkGlBqjxVQ79mqnIvdW5DoXl4nz5Zvn0eBHX73QZVpixa_5vzoj-sCCMmB_irQou_LTciy540cTSMAwb-5gA9Grr8INnmwJ432KIN1fr3Z1iLQM2xQBgasEX6NscVtSHIbYk2eB6hquY91qpSE31lHo3bWN9v2sgxIlprHhBv1KoyY)-0-AZvf2yItaRRW17wJ3O-DJjLol3H6yIQu3rep2NaxmqsYmT\_e1Zbi3JtRi2lkDyGUkbPmxjbrJ19y4IN0siihbwr4hHjdJHGhO\_VgQeIP7KFq6\_n2vLqOvISAEwVEPENMU51vBBAwJeh-V-9-zlfKawybpP4G\_JWueth-idPWdMHn4JHt-[oSfcuIqjtOMFlwS8J3wYGjvs](https://www.programmersought.com/article/49072612658/?__cf_chl_managed_tk__=a10afdcd83a48dc68448d5a0533f256fc4d5c80a-1623673756-0-AZvf2yItaRRW17wJ3O-DJjLol3H6yIQu3rep2NaxmqsYmT_e1Zbi3JtRi2lkDyGUkbPmxjbrJ19y4IN0siihbwr4hHjdJHGhO_VgQeIP7KFq6_n2vLqOvISAEwVEPENMU51vBBAwJeh-V-9-zlfKawybpP4G_JWueth-idPWdMHn4JHt-oSfcuIqjtOMFlwS8J3wYGjvs-PwHYs203YFu0mTEHYW9GfYGttdkzGuNk31LbHWa0Tm-FLPRjt5JyLdN9f0INHIYPd4T2hYjzmTxlRfjwunZyHdNX30QVUYaQtCDe7Zo1JbAmym3xH4i-e7bh8Wfh64ThRQVO_1TmTELutxrF5YFGNUwYgxOHA8ZwTvge02qNslZNOSqsPo8Fjl2lePtjU9FOIjmt2w5MZe8P-b-d1pbBTX4n-DWAmWbGgdG5bG57x32iDhY6fLx9m8NTi80SHQjfoaIuohqNmzFSXEQYtpbyE3WgP9rjnsXAkGlBqjxVQ79mqnIvdW5DoXl4nz5Zvn0eBHX73QZVpixa_5vzoj-sCCMmB_irQou_LTciy540cTSMAwb-5gA9Grr8INnmwJ432KIN1fr3Z1iLQM2xQBgasEX6NscVtSHIbYk2eB6hquY91qpSE31lHo3bWN9v2sgxIlprHhBv1KoyY)-PwHYs203YFu0mTEHYW9GfYGttdkzGuNk31LbHWa0Tm-FLPRjt5JyLdN9f0INHIYPd4T2hYjzmTxlRfjwunZyHdNX30QVUYaQtCDe7Zo1JbAmym3xH4i-e7bh8Wfh64ThRQVO\_1TmTELutxrF5YFGNUwYgxOHA8ZwTvge02qNslZNOSqsPo8Fjl2lePtjU9FOIjmt2w5MZe8P-b-d1pbBTX4n-DWAmWbGgdG5bG57x32iDhY6fLx9m8NTi80SHQjfoaIuohqNmzFSXEQYtpbyE3WgP9rjnsXAkGlBqjxVQ79mqnIvdW5DoXl4nz5Zvn0eBHX73QZVpixa\_5vzoj-sCCMmB\_irQou\_LTciy540cTSMAwb-5gA9Grr8INnmwJ432KIN1fr3Z1iLQM2xQBgasEX6NscVtSHIbYk2eB6hquY91qpSE31lHo3bWN9v2sgxIlprHhBv1KoyY

1. to view each node, including whether the master node has /run/flannel/subnet.env, the content should be similar to the following:

FLANNEL\_NETWORK=10.244.0.0/16

FLANNEL\_SUBNET=10.244.0.1/24

FLANNEL\_MTU=1450

FLANNEL\_IPMASQ=true

