Master

1) Open "CentOS 7" VM "master" as shared in DATA.

2) Update /etc/hosts files with below entries

                                  <ipaddress> master

                                  <ipaddress> minion

3) Create file "/etc/yum.repos.d/kubernetes.repo" with below contents:

 [kubernetes]

name=Kubernetes

baseurl=https://packages.cloud.google.com/yum/repos/kubernetes-el7-x86_64

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

4) Install Kubeadm & Docker

                                  yum install kubeadm docker

5) Start and enable kubectl and docker service

                                  systemctl restart docker && systemctl enable docker

                                  systemctl restart kubelet && systemctl enable kubelet

6) Initialize Kubernetes Master with 'kubeadm init'

7) Verify available nodes & pods

        kubectl get nodes

        kubectl get pods --all-namespaces

8) Deploy pod network

        export kubever=$(kubectl version | base64 | tr -d '\n')

        kubectl apply -f "https://cloud.weave.works/k8s/net?k8s-version=$kubever"

9) Verify available nodes & pods

        kubectl get nodes

        kubectl get pods --all-namespaces

Minion

1) Open "CentOS 7" VM "minion" as shared in DATA.

2) Update /etc/hosts files with below entries

                                               <ipaddress> master

                                               <ipaddress> minion

3) Create file "/etc/yum.repos.d/kubernetes.repo" with below contents:

 [kubernetes]

name=Kubernetes

baseurl=https://packages.cloud.google.com/yum/repos/kubernetes-el7-x86_64

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

4) Install Kubeadm & Docker

                                  yum install kubeadm docker

5) Start and enable kubectl and docker service

                                  systemctl restart docker && systemctl enable docker

                                  systemctl restart kubelet && systemctl enable kubelet

6)kubeadm join <MASTER IP>:6443 --token <TOKEN> --discovery-token-ca-cert-hash <SHA_KEY>