**Minikube installation:**

**Minimum requirement:**

* 2 CPUs or more
* 2GB of free memory
* 20GB of free disk space
* Internet connection
* Container or virtual machine manager, such as: Docker, Hyperkit, Hyper-V, KVM, Parallels, Podman, VirtualBox, or VMWare

**Installing docker CE in server:**

Step 1: First, let's make sure we're running on a clean system. Update all packages.

**yum update**

Then, install the Docker CE dependencies.

**yum install -y yum-utils device-mapper-persistent-data lvm2**

Step 2: Installing Docker CE

Docker provides a repository where you can fetch the stable Docker CE version. Install it with this command:

**yum-config-manager --add-repo** **https://download.docker.com/linux/centos/docker-ce.repo**

To install Docker, simply run:

**yum install -y docker-ce**

usermod -a -G docker ec2-user

su ec2-user

sudo usermod -aG docker $USER && newgrp docker

**Start docker services and reboot the server**

**systemctl enable docker**

**systemctl start docker**

**systemctl status docker**

**Installing Minikube:**

install the latest minikube stable release on x86-64 Linux using binary download.

curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64

install minikube-linux-amd64 /usr/local/bin/minikube

yum install conntrack -y

**Download and install kubectl**

curl -LO https://storage.googleapis.com/kubernetes-release/release/`curl -s https://storage.googleapis.com/kubernetes-release/release/stable.txt`/bin/linux/amd64/kubectl

chmod +x kubectl

mv kubectl /usr/local/bin/

kubectl version --client -o json

Start user has ec2-user:

start minikube

minikube start --driver=docker

kubectl get pods -A