**Kubernetes Setup through minikube**

Installation of minikube

1. curl -LO <https://storage.googleapis.com/minikube/releases/latest/minikube_latest_amd64.deb>
2. sudo dpkg -i minikube\_latest\_amd64.deb
3. 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 && sudo mv kubectl /usr/local/bin/
   1. use the command above to install kubectl

minikube lifecycle

1. minikube start
   1. start minikube
2. minikube pause
   1. Pause Kubernetes
3. minikube unpause
   1. Unpause a paused instance
4. minikube stop
   1. Halt the cluster
5. minikube delete –all
   1. Delete all of the minikube clusters

Dashboard

1. minikube dashboard
2. this opens the dashboard automatically. Explore the various options. And get familiar with it

**Some useful commands**

**(for information)**

1. Passing the environment variables using a file
   1. docker run --env-file ./env.list jenkins/jenkins
   2. the above env file will be in name=value format
2. Assigning a static IP to containers
   1. docker run --net mynet --ip 172.18.0.22 jenkins/jenkins
   2. mynet is the network I have created before I run the above command