**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
   2. Do not try this now. Use this on the last day of training.

Dashboard

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

Testing the cluster

1. kubectl version
2. kubectl get componentstatuses
3. kubectl get nodes
4. kubectl describe nodes [name of node from step 3]
5. kubectl get daemonSets --namespace=kube-system kube-proxy
6. kubectl get services --namespace=kube-system kube-dns