

Minikube : single{one node cluster same system act as master and worker}

Steps to install Minikube:

step 1

```
$ sudo su
```

```
# apt-get update -y
```

step 2

```
# apt-get install curl wget apt-transport-https -y
```

step 3

```
# apt-get install virtualbox virtualbox-ext-pack
```

step 4

```
wget https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
```

```
#
```

step 5

```
# cp minikube-linux-amd64 /usr/local/bin/minikube
```

step 6

```
# chmod 755 /usr/local/bin/minikube
```

step 7

```
# minikube version
```

step 8 : Install Kubectl

```
# curl -s https://packages.cloud.google.com/apt/doc/apt-key.gpg | apt-key add -
```

```
n
```

```
# echo "deb http://apt.kubernetes.io/ kubernetes-xenial main" | tee  
/etc/apt/sources.list.d/kubernetes.list
```

```
# vim /etc/apt/sources.list.d/kubernetes.list
```

(remove the quotes beginning and end)

```
:wq!
```

```
# apt-get update -y && apt-get install kubectl -y
```

Now, verify whether kubectl is installed or not.

```
# kubectl version -o json
```

```
# apt install docker.io -y
```

```
# minikube start --vm-driver=none --force
```

```
# kubectl cluster-info
```

```
# kubectl get nodes
```

```
# kubectl run my-nginx --image=nginx --port=80
```

From <<https://pad.riseup.net/static/empty.html>>