**Requirement:**

* **docker 18.06 or laser version.**

**$ vi minikubeinstall.sh**

#Install KubeCTL

$ sudo apt-get update && sudo apt-get install -y apt-transport-https

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

$ sudo touch /etc/apt/sources.list.d/kubernetes.list

$ echo "deb http://apt.kubernetes.io/ kubernetes-xenial main" | sudo tee -a /etc/apt/sources.list.d/kubernetes.list

$ sudo apt-get update

$ sudo apt-get install -y kubectl

#Install MiniKube:

$ curl -Lo minikube https://storage.googleapis.com/minikube/releases/v0.28.2/minikube-linux-amd64 && chmod +x minikube && sudo mv minikube /usr/local/bin/

#Install Docker:

$ curl -fsSL <https://apt.dockerproject.org/gpg> | sudo apt-key add -

$ sudo apt-add-repository "deb https://apt.dockerproject.org/repo ubuntu-$(lsb\_release -cs) main"

$ sudo apt-get update

$ sudo apt-cache policy docker-ce

$ sudo apt-get install docker-engine=1.13.1-0~ubuntu-xenial

$ docker version

Client:

Version: 1.13.1

API version: 1.26

Go version: go1.7.5

Git commit: 092cba3

Built: Wed Feb 8 06:50:14 2017

OS/Arch: linux/amd64

Server:

Version: 1.13.1

API version: 1.26 (minimum version 1.12)

Go version: go1.7.5

Git commit: 092cba3

Built: Wed Feb 8 06:50:14 2017

OS/Arch: linux/amd64

Experimental: false

$ sudo minikube start --vm-driver=none

$ sudo mv /root/.kube $HOME/.kube

$ sudo chown -R $USER $HOME/.kube

$ sudo chgrp -R $USER $HOME/.kube

$ sudo mv /root/.minikube $HOME/.minikube

$ sudo chown -R $USER $HOME/.minikube

$ sudo chgrp -R $USER $HOME/.minikube

$ kubectl get nodes

$ kubectl describe nodes

**--------------------------------------------------------------------------------------------**

Name: minikube

Roles: master

Labels: beta.kubernetes.io/arch=amd64

beta.kubernetes.io/os=linux

kubernetes.io/hostname=minikube

node-role.kubernetes.io/master=

Annotations: node.alpha.kubernetes.io/ttl: 0

volumes.kubernetes.io/controller-managed-attach-detach: true

CreationTimestamp: Sun, 28 Apr 2019 07:58:22 +0000

Taints: <none>

Unschedulable: false

Conditions:

Type Status LastHeartbeatTime LastTransitionTime Reason Message

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OutOfDisk False Sun, 28 Apr 2019 08:28:34 +0000 Sun, 28 Apr 2019 07:58:18 +0000 KubeletHasSufficientDisk kubelet has sufficient disk space available

MemoryPressure False Sun, 28 Apr 2019 08:28:34 +0000 Sun, 28 Apr 2019 07:58:18 +0000 KubeletHasSufficientMemory kubelet has sufficient memory available

DiskPressure False Sun, 28 Apr 2019 08:28:34 +0000 Sun, 28 Apr 2019 07:58:18 +0000 KubeletHasNoDiskPressure kubelet has no disk pressure

PIDPressure False Sun, 28 Apr 2019 08:28:34 +0000 Sun, 28 Apr 2019 07:58:18 +0000 KubeletHasSufficientPID kubelet has sufficient PID available

Ready True Sun, 28 Apr 2019 08:28:34 +0000 Sun, 28 Apr 2019 07:58:18 +0000 KubeletReady kubelet is posting ready status. AppArmor enabled

Addresses:

InternalIP: 10.0.2.15

Hostname: minikube

Capacity:

cpu: 2

ephemeral-storage: 10098468Ki

hugepages-2Mi: 0

memory: 3080356Ki

pods: 110

Allocatable:

cpu: 2

ephemeral-storage: 9306748094

hugepages-2Mi: 0

memory: 2977956Ki

pods: 110

System Info:

Machine ID: 869205d57e1d4fb29f20e4dc64ed093f

System UUID: 32AB8B20-C452-430F-B394-4917D8760618

Boot ID: f5752421-1d32-4f55-9fc3-0fc071768d48

Kernel Version: 4.4.0-83-generic

OS Image: Ubuntu 16.04.2 LTS

Operating System: linux

Architecture: amd64

Container Runtime Version: docker://1.13.1

Kubelet Version: v1.10.0

Kube-Proxy Version: v1.10.0

Non-terminated Pods: (9 in total)

Namespace Name CPU Requests CPU Limits Memory Requests Memory Limits AGE

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kube-system etcd-minikube 0 (0%) 0 (0%) 0 (0%) 0 (0%) 28m

kube-system kube-addon-manager-minikube 5m (0%) 0 (0%) 50Mi (1%) 0 (0%) 29m

kube-system kube-apiserver-minikube 250m (12%) 0 (0%) 0 (0%) 0 (0%) 29m

kube-system kube-controller-manager-minikube 200m (10%) 0 (0%) 0 (0%) 0 (0%) 29m

kube-system kube-dns-86f4d74b45-wbpk6 260m (13%) 0 (0%) 110Mi (3%) 170Mi (5%) 30m

kube-system kube-proxy-vzdt6 0 (0%) 0 (0%) 0 (0%) 0 (0%) 30m

kube-system kube-scheduler-minikube 100m (5%) 0 (0%) 0 (0%) 0 (0%) 29m

kube-system kubernetes-dashboard-5498ccf677-qwj25 0 (0%) 0 (0%) 0 (0%) 0 (0%) 30m

kube-system storage-provisioner 0 (0%) 0 (0%) 0 (0%) 0 (0%) 30m

Allocated resources:

(Total limits may be over 100 percent, i.e., overcommitted.)

Resource Requests Limits

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cpu 815m (40%) 0 (0%)

memory 160Mi (5%) 170Mi (5%)

ephemeral-storage 0 (0%) 0 (0%)

Events:

Type Reason Age From Message

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Normal NodeHasSufficientPID 32m (x5 over 32m) kubelet, minikube Node minikube status is now: NodeHasSufficientPID

Normal NodeAllocatableEnforced 32m kubelet, minikube Updated Node Allocatable limit across pods

Normal NodeHasSufficientDisk 32m (x6 over 32m) kubelet, minikube Node minikube status is now: NodeHasSufficientDisk

Normal NodeHasSufficientMemory 32m (x6 over 32m) kubelet, minikube Node minikube status is now: NodeHasSufficientMemory

Normal NodeHasNoDiskPressure 32m (x6 over 32m) kubelet, minikube Node minikube status is now: NodeHasNoDiskPressure