

Kubeadm and installation

The kubeadm tool is good if you need:

- A simple way for you to try out Kubernetes, possibly for the first time.
- A way for existing users to automate setting up a cluster and test their application.
- A building block in other ecosystem and/or installer tools with a larger scope.

- **Control Plane Endpoint or DNS require**

For Ubuntu

- **swapoff -a**
- `vi /etc/fstab`
- **and comment last line**
- `# swap was on /dev/sda3 during installation`
`# UUID=9f163eae-1ec4-4ea7-bbbe-2911e8ccd62f none`
- `vi /etc/ufw/sysctl.conf`
- Add following lines to the end:
- `net/bridge/bridge-nf-call-ip6tables = 1`
`net/bridge/bridge-nf-call-iptables = 1`
`net/bridge/bridge-nf-call-arptables = 1`
- Install dependency:

```
sudo su
apt-get install ebtables ethtool
```

Install kubeadm

Install https support:

```
apt-get update && apt-get install -y apt-transport-https
```

Get kubernetes repo key:

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

Add kubernetes repo to manifest:

```
cat <<EOF >/etc/apt/sources.list.d/kubernetes.list
deb http://apt.kubernetes.io/ kubernetes-xenial main
EOF
```

Install kubeadm and docker:

```
apt-get update && apt-get install -y kubelet kubeadm kubectl docker.io
```