

ADL EXP-5  
COMMANDS

Exp 5

**Steps to install and spin up a Kubernetes cluster on Linux machine/cloud platforms.**

1. **Launch two instances of Linux machine**
2. **Rename one of the instances as worker and keep the name of the other one as master.**
3. **Connect both instances to PuTTY.**
4. **Switch to sudo user and get update**

**Commands:**

**Both Master and Worker**

1. **sudo su**
  2. **apt-get update**
5. **Install docker and get its version and status.**

**Commands:**

**Both Master and Worker**

1. **apt-get install docker -y**
  2. **docker --version**
  3. **systemctl enable docker**
  4. **systemctl status docker**
6. **Add repository.**
- Commands:**
- Both Master and Worker**
1. **curl -s https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo apt-key add**
  2. **sudo apt-add-repository "deb http://apt.kubernetes.io/ kubernetes-xenial main"**
7. **Install Kuber admin, set the hold on it and check its version**

**Commands:**

**Both Master and Worker**

1. **sudo apt-get install kubeadm kubelet kubectl**
2. **sudo apt-mark hold kubeadm kubelet kubectl**
3. **kubeadm version**