

xdAs0+yYUh9RfM4Vn8n1lbn5G931OFo1IM/wj5mHkXw=
scm-at-322322601885

INSTALLATION OF JENKINS IN UBUNTU EC2 INSTANCE:-

```
sudo apt update
sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
```

```
sudo apt-get update
sudo apt-get install fontconfig openjdk-17-jre
sudo apt-get install jenkins
sudo systemctl start jenkins
sudo systemctl enable jenkins
sudo systemctl status jenkins
```

KUBERNETES SETUP:-

```
nano kube.sh
#!/bin/bash
sudo apt-get update
sudo apt-get install -y apt-transport-https ca-certificates curl software-properties-common
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable"
sudo apt-get update ; clear
sudo apt-get install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

echo "deb http://apt.kubernetes.io/ kubernetes-xenial main" | sudo tee /etc/apt/sources.list.d/kubernetes.list
curl -s https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo apt-key add -
sudo apt-get update ; clear
sudo apt-get install -y kubelet=1.23.0-00 kubeadm=1.23.0-00 kubectl=1.23.0-00
```

```
chmod +x kube.sh
./kube.sh
```

```
sudo kubeadm init --ignore-preflight-errors=all
```

```
kubectl apply -f https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml
```

```
kubectl get nodes
```

LOCALHOST:80 ISSUE TACKLE PROCESS

```
mkdir $HOME/.kube (in slave machine)
cd /etc/kubernetes
nano admin.conf
paste the admin.conf file of master machine in slave machine
```