

## #Step 0 : install ngrok and forward url

ngrok http 8080 —use forwarding url for open Jenkins .

## #Step 1 install

Install jenkins and jdk

```
curl -fsSL https://pkg.jenkins.io/debian/jenkins.io-2023.key | sudo tee \
  /usr/share/keyrings/jenkins-keyring.asc > /dev/null
```

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

```
sudo apt update
```

```
sudo apt install jenkins -y
```

## #Step 2 :

### Start and Enable Jenkins Service

```
sudo systemctl start jenkins
sudo systemctl enable jenkins
```

**Check status:**

```
sudo systemctl status jenkins
```

If everything is fine, it should show **active (running)**.

## #Step 3:

### Access Jenkins Web Interface

for local machine:

Use Forwarding URL from NGROK

## Get the Initial Admin Password

```
sudo cat /var/lib/jenkins/secrets/initialAdminPassword
```

User name : kkwagh

Password : acs@02

## #Jenkins Project Setup

Create project -----> Free Style -----> Source Code Management-----> select git -----> add repo url ----> select branch ----> Triggers ----> tik GitHub hook trigger for GITScm polling----->apply and save.

## #Git hub setups

Open Project ---> go to settings --> left side option webhook --> Add webhook -----> in webhook enter payload URL --- content type ---> JSON --- > send me everything --> add webhook