Install Jenkins Server on Ubuntu 18.04

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Prerequiste

- JDK-8

Installtion

- Update Jenkins key cache.

```
$ wget -q -O - https://pkg.jenkins.io/debian/jenkins.io.key | sudo apt-key add -
```

- Add Repository.

```
$ sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ >
/etc/apt/sources.list.d/jenkins.list'
```

- Update package

```
$ sudo apt-get update
```

- Install Jenkins server

```
$ sudo apt-get install jenkins
```

This package installation will:

- Setup Jenkins as a daemon launched on start. See `/etc/init.d/jenkins` for more details.
- Create a `jenkins` user to run this service.
- Direct console log output to the file `/var/log/jenkins/jenkins.log.` Check this file if you are troubleshooting Jenkins.

- Populate `/etc/default/jenkins` with configuration parameters for the launch, e.g `JENKINS_HOME`

- Set Jenkins to listen on port `8080`. Access this port with your browser to start configuration.

> 💡 If your `/etc/init.d/jenkins` file fails to start Jenkins, edit the `/etc/default/jenkins` to replace the line `----HTTP_PORT=8080----` with `----HTTP_PORT=8081----` Here, "8081" was chosen but you can put another port available.

- While configuring on UI select `Install recommended plugins`.

Configure Email Notification using Gmail.

- Go to Manager Jenkins -→ Configure System.

- Goto Extending Email Notification section. Fill details as shown in below screenshot with your email address. SMTP Server is `smtp.gmail.com`, select adavanced option and set username and password(password should be your app code) set `USE SSL` with Port `465`

  [extended email 1] | *extended_email_1.png*

- Goto E-mail Notification section. Fill details as shown in below screenshot with your email address. SMTP Server is `smtp.gmail.com`, select adavanced option and set username and password(password should be your app code) set `USE SSL` with Port `465`

  [email notification 1] | *email_notification_1.png*