

Install Jenkins Server on Ubuntu 18.04

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Prerequisite

- JDK-8

Installation

- 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 advanced option and set username and password(password should be your app code) set **USE SSL** with Port **465**

Extended E-mail Notification

| | |
|---|---|
| SMTP server | smtp.gmail.com |
| Default user E-mail suffix | @gmail.com |
| <input checked="" type="checkbox"/> Use SMTP Authentication | |
| User Name | your-email@gmail.com |
| Password | |
| Advanced Email Properties | |
| Use SSL | <input checked="" type="checkbox"/> |
| SMTP port | 465 |
| Charset | UTF-8 |
| Additional accounts | <button>Add</button> |
| Default Content Type | HTML (text/html) |
| <input type="checkbox"/> Use List-ID E-mail Header | |
| <input type="checkbox"/> Add 'Precedence: bulk' E-mail Header | |
| Default Recipients | |
| Reply To List | your-email@gmail.com |
| Emergency reroute | |
| Allowed Domains | |
| Excluded Recipients | |
| Default Subject | \$PROJECT NAME - Build # \$BUILD NUMBER - \$BUILD STATUS! |

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

E-mail Notification

| | |
|---|-------------------------------------|
| SMTP server | smtp.gmail.com |
| Default user e-mail suffix | @gmail.com |
| <input checked="" type="checkbox"/> Use SMTP Authentication | |
| User Name | your-email@gmail.com |
| Password | |
| Use SSL | <input checked="" type="checkbox"/> |
| SMTP Port | 465 |
| Reply-To Address | ypur-email@gmail.com |
| Charset | UTF-8 |
| <input checked="" type="checkbox"/> Test configuration by sending test e-mail | |
| Test e-mail recipient | destination@gmail.com |

Test configuration