

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`

The screenshot displays the 'Extended E-mail Notification' configuration page in Jenkins. The settings are as follows:

- SMTP server:** `smtp.gmail.com`
- Default user E-mail suffix:** `@gmail.com`
- Use SMTP Authentication:** ☒
- User Name:** `your-email@gmail.com`
- Password:** (masked with dots)
- Advanced Email Properties:** (empty text area)
- Use SSL:** ☒
- SMTP port:** `465`
- Charset:** `UTF-8`
- Additional accounts:** `Add` button
- Default Content Type:** `HTML (text/html)`
- Use List-ID E-mail Header:** ☐
- Add 'Precedence: bulk' E-mail Header:** ☐
- Default Recipients:** (empty text area)
- Reply To List:** `your-email@gmail.com`
- Emergency reroute:** (empty text area)
- Allowed Domains:** (empty text area)
- Excluded Recipients:** (empty text area)
- 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	<input type="text" value="smtp.gmail.com"/>	
Default user e-mail suffix	<input type="text" value="@gmail.com"/>	
<input checked="" type="checkbox"/> Use SMTP Authentication		
User Name	<input type="text" value="your-email@gmail.com"/>	
Password	<input type="password" value="....."/>	
Use SSL	<input checked="" type="checkbox"/>	
SMTP Port	<input type="text" value="465"/>	
Reply-To Address	<input type="text" value="ypur-email@gmail.com"/>	
Charset	<input type="text" value="UTF-8"/>	
<input checked="" type="checkbox"/> Test configuration by sending test e-mail		
Test e-mail recipient	<input type="text" value="destination@gmail.com"/>	

