## View the lesson (Installing Jenkins) Installing Jenkins



For installing, we will require:

A machine with 256 MB of RAM, although more than 512MB is recommended and 10 GB of drive space (for Jenkins and our Docker image)

The following software installed:

- Java 8 or 11 (either a JRE or Java Development Kit (JDK) is fine)
- Docker

## Download and run Jenkins

1. Download Jenkins.

For Linux:

wget http://mirrors.jenkins.io/war-stable/latest/jenkins.war

- 2. Open up a terminal in the download directory.
- 3. Run this command.

java -jar jenkins.war --httpPort=8080

This command will download and run a jenkins in our machine. Many messages will be shown at the screen. Upon initialization of jenkins, the console will give us an admin password to start the initial setup for jenkins.

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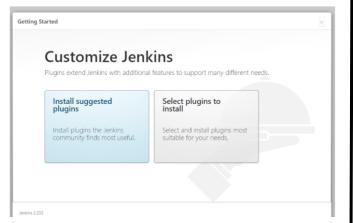
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202.04-20.816.9158.0516-MONN [[0:25] NULL CationContextEpreparaBeforesh Beforehing 202.04-20.816.9158.0516-MONN [[0:25] NULL CationContext ApplicationContextSoldApplication

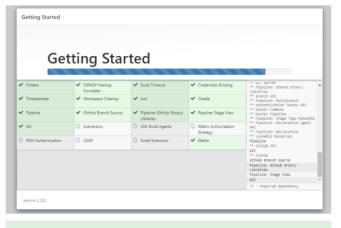
 Browse to http://localhost:8080. For ec2 http://(your ec2 instance IPv4 Public IP):8080). We will see the screen below. Put the admin password in input on the screen and press continue.



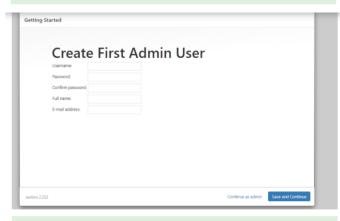
In the next screen, click "Install suggested plugins".



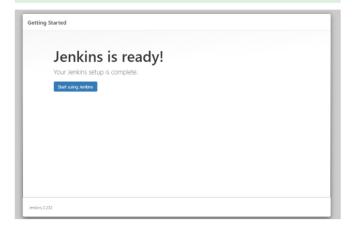
Wait for the installations.



Create a user.



We complete the installation, click on "start using Jenkins"

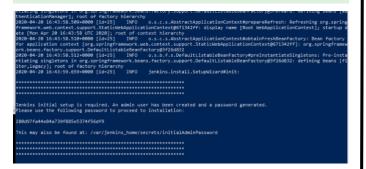


## Installing Jenkins with Docker

Firstly we create a container in our machine. We need docker installed and running in our machines. Execute this command:

docker run -d -p 8080:8080 jenkins/jenkins

This command will download and run a jenkins in our machine. Many messages will be shown at the screen. Upon initialization of jenkins, the console will give us an admin password to start the initial setup for jenkins.



We can access our jenkins in http://localhost:8080/ (for ec2 instance IPv4 Public IP:8080). We will see the screen below. Put the admin password in input on the screen and press continue.

## **∧** Note:

- To access the admin password:
- If you run Jenkins inside docker as a detached container, you can use docker logs < containerId > commands to view the Jenkins logs.
- · Or, execute the following commands:
  - \$ docker exec -it < containerId > bash
  - \$ cat /var/jenkins\_home/secrets/initialAdminPassword

Unlock Jenkins

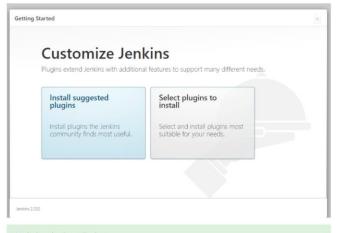
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

//var/jenkins\_home/secrets/initialAdminPassword

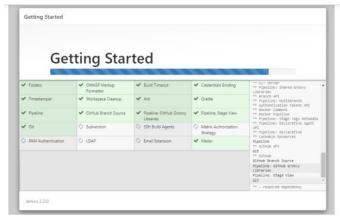
Please copy the password from either location and paste it below.

Administrator password

In the next screen, click "Install suggested plugins".



Wait for the installations.



Create a user.

Create Fir	St Aumi	ii osei	
Password:			
Confirm password:			
Full name:			
E-mail address:			

We complete the installation, click on "start using Jenkins"

Getting Started	
Jenkins is ready! Your Jenkins setup is complete.	
Start using Jenkins	
Jenkins 2.232	