

# JENKINS DETAILED INSTALLATION PROCESS:

## Step-1: INSTALL JDK 11

- Make sure you have the jdk 11 installed first in your system.[ better use jdk 11 which is compatible to Jenkins. Else it may through version error/exception].
- If not follow the below sequence:
  1. Go to the link given

<https://www.oracle.com/java/technologies/javase-jdk11-downloads.html>

Linux x64 Compressed Archive	173.86 MB	<a href="#">jdk-11.0.12_linux-x64_bin.tar.gz</a>
macOS Installer	167.69 MB	<a href="#">jdk-11.0.12_osx-x64_bin.dmg</a>
macOS Compressed Archive	168.19 MB	<a href="#">jdk-11.0.12_osx-x64_bin.tar.gz</a>
Solaris SPARC Compressed Archive	184.5 MB	<a href="#">jdk-11.0.12_solaris-sparcv9_bin.tar.gz</a>
Windows x64 Installer	151.83 MB	<a href="#">jdk-11.0.12_windows-x64_bin.exe</a>
Windows x64 Compressed Archive	171.27 MB	<a href="#">jdk-11.0.12_windows-x64_bin.zip</a>

- Click on the link that is highlighted on website.
- Then automatically download begins.
- Once it is downloaded, install it on your system.  
*[NOTE: If you are not getting to download unless you login for oracle account, please do create the oracle account by mentioning your details (note: give as student and your college name for organization respectively). Then when account is created, try to download now, it will get downloaded]*
- To check whether it downloaded successfully or not.
- Go to command prompt in your system. And type java –version
- You need to see the version displayed on the prompt:

```
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ACER>java --version
java 11.0.12 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)

C:\Users\ACER>
```

## Step-2: INSTALL JENKINS

- Go to browser and just type Jenkins.
- You will be taken to the official website of Jenkins.
- Or click on the link below:  
<https://www.jenkins.io/>
- There in the website click on download button.
- You will be taken to the different site.



- When you click on windows you need to get the Jenkins downloaded.
- And then you have to install it on your system. Just keep giving next and next to all leaving all as default. [NOTE: you will be asked to enter the account and password in the middle of installation this will be for local or domain, but you choose an option for local System and click next]
- Once the Jenkins get installed on your system.
- Go to command prompt and change the location to place where Jenkins is installed on your system

```
C:\Users\ACER>cd..
C:\Users>cd..
C:\>cd Program Files
C:\Program Files>cd Jenkins
```

- Once the directory is set, type the following command:  
**java -jar jenkins.war**
- After which go to browser and type “**localhost:8080**”.
- This is the port number allocated for Jenkins **8080**.
- When that command has run you can see that there is some initial Administrator password displayed.

```
2021-09-03 05:15:14.282+0000 [id=50] INFO hudson.model.AsyncPeriodicWork#lambda$doRun$0: Started Download metadata
2021-09-03 05:15:14.469+0000 [id=50] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates ser
ver
2021-09-03 05:15:18.157+0000 [id=33] INFO jenkins.install.SetupWizard#init:
*****
*****
*****
Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:
8677b38146154702b2bef2c6f9ea1add ←
This may also be found at: C:\Users\ACER\.jenkins\secrets\initialAdminPassword
*****
*****
*****
```

- If you don't get the password in prompt, go to the folder named “.jenkins” in your user folder and go to “secret” folder.
- Then look for the file named initialAdminpassword file.
- You will get the password in that file.
- Now when you see the browser you will get the login page for the Jenkins where it will ask for the initial administrator password.
- Enter that password there and click continue.

## 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:

```
C:\Users\ACER\.jenkins\secrets\initialAdminPassword
```

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

Administrator password

.....

- Once you click on continue you will move to the next page i.e.

## Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

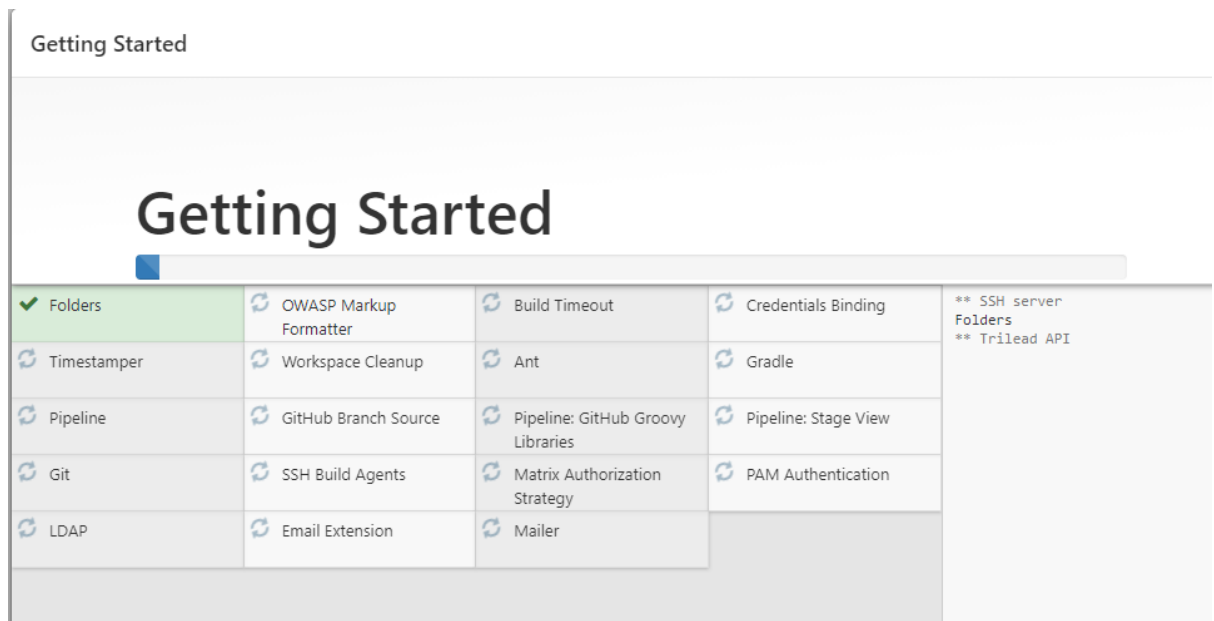
### Install suggested plugins

Install plugins the Jenkins community finds most useful.

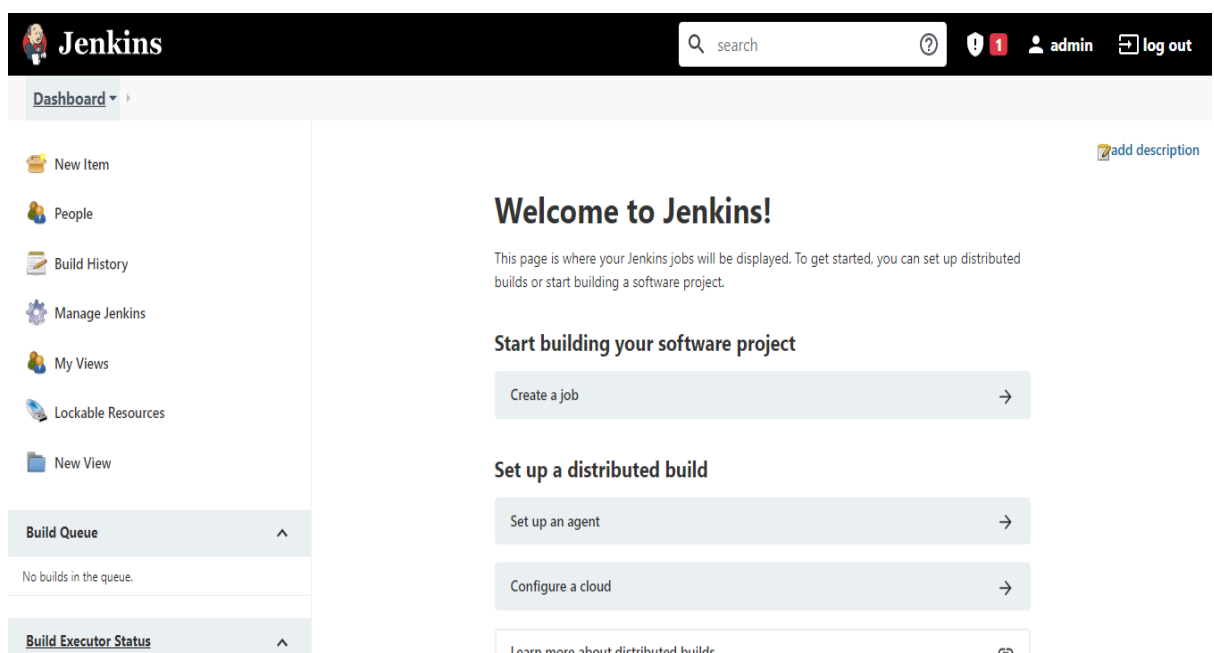
### Select plugins to install

Select and install plugins most suitable for your needs.

- You can choose any option, if you need any extra plugin to be added then click on select plugins to install. Else you can just click on install suggested plugin.
- I will choose for the “install suggested plugin”
- Then you will see that the suggested plugins will get installed.



- Once all the plugins are installed you will be asked to create the user.
- You can create the new user if you need else click on **continue as admin** below.
- Then you will see **start Jenkins** button click on the webpage.
- It will take you to the below mentioned page:



- Now your Jenkins is ready to use.