

Jenkins Installation

Created by: Shayan Saha

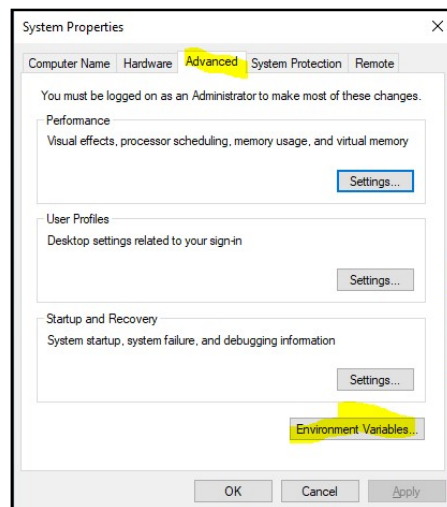
- Download the highlighted one:

Windows x64 Installer	139.83 MB	 jdk-11.0.13_windows-x64_bin.exe
Windows x64 Compressed Archive	157.28 MB	 jdk-11.0.13_windows-x64_bin.zip

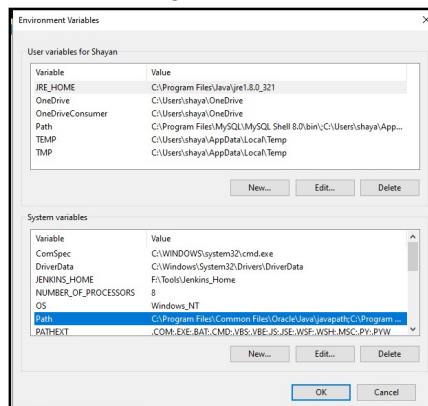
2. Install in the default directory (i.e. **C:/Program Files/Java**)
3. Type **java -version** in the command prompt to verify the installation

```
C:\Users\shaya>java -version
java version "11.0.8" 2020-07-14 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.8+10-LTS)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.8+10-LTS, mixed mode)
```

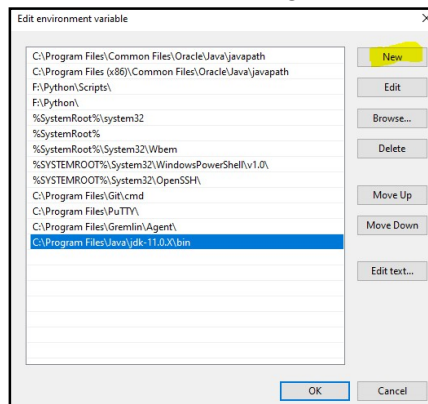
4. If you don't get the desired output
 - a. Copy **C:\Program Files\Java\jdk-11.0.X\bin**
 - b. Open run and type **sysdm.cpl** and hit enter, then navigate to **Advanced** and click on **Environment Variables**



- c. Double click on **path** under **System variables**



- d. Paste the path you copied after clicking on **New** and hit **OK** to apply



- e. Then repeat the step 3, and you will get the java version

5. Download Jenkins war file : <https://get.jenkins.io/war-stable/2.332.1/jenkins.war>
6. Create a folder in any drive and paste the **jenkins.war** file there
7. Open command prompt in the location and hit this command

java -jar jenkins.war --httpPort=9191

8. During first run you will be able to see the temporary password (yellow highlighted) for first time logging in to Jenkins. Copy that.

```
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.codehaus.groovy.reflection.CachedClass (file:/home/shayan/.jenkins/war/WEB-INF/lib/groovy-all-2.4.21.jar) to method java.lang.Object.finalize()
WARNING: Please consider reporting this to the maintainers of org.codehaus.groovy.reflection.CachedClass
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
2022-04-05 16:48:50.631+0000 [id=28] INFO jenkins.install.SetupWizard#init:

*****
*****
*****

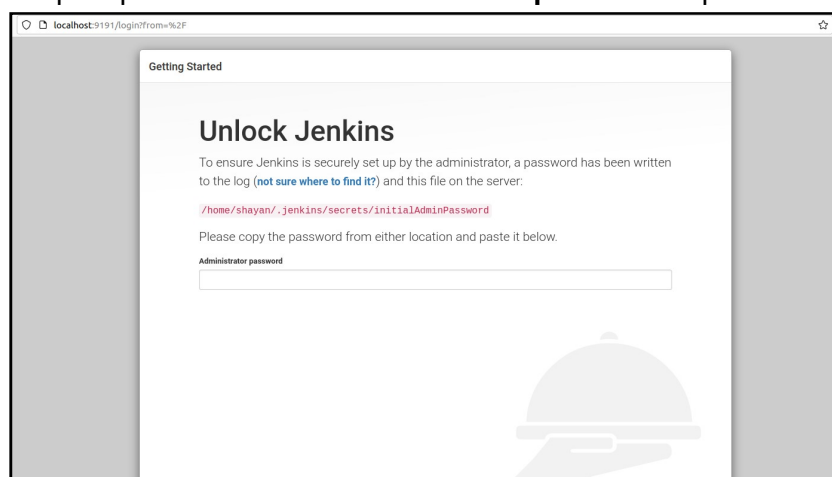
Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

684988a6cec740e4a1ae6ab759ad79c6

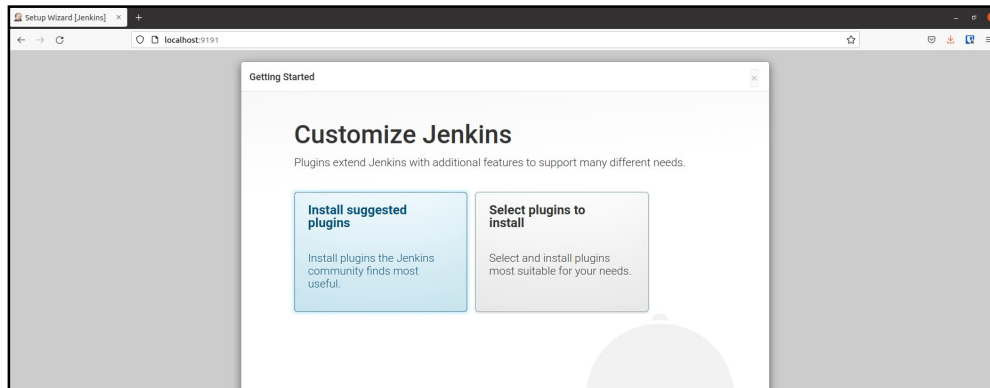
This may also be found at: /home/shayan/.jenkins/secrets/initialAdminPassword

*****
*****
*****
```

9. Open browser and hit the URI : <http://localhost:9191>
10. Enter the copied password in the **Administrator password** input box and hit ENTER



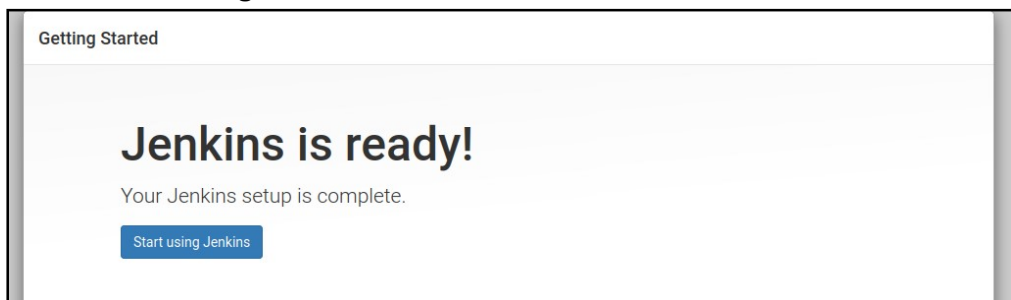
11. Click on **Install suggested plugins**



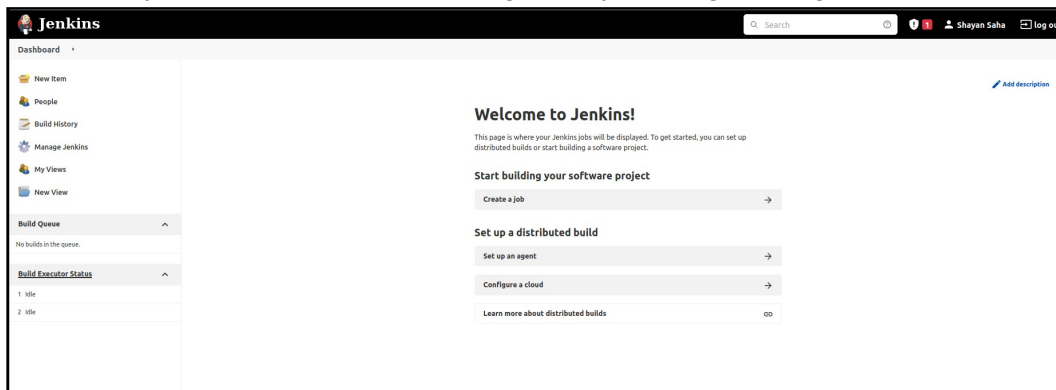
12. Fill the details and click on **Save and continue**

13. In the next page keep that as it is and click on **Save and Finish**

14. Click on **Start Using Jenkins**




15. It will take you to the Jenkins home page and you are good to go



16. Next time when you login navigate to the folder where you stored **Jenkins.war** file and for running it repeat **STEP 7**
17. You will see the message in terminal : **Jenkins is fully up and running**

```
C:\Program Files\Common Files\Oracle\Java\javapath\java.exe
19.1.1, file:///F:/Tools/Jenkins_Home/war/AVAILABLE}{F:/Tools/Jenkins_Home/war/
2022-04-05 16:30:34.895+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStart: Started ServerConnector@399c4be1
{HTTP/1.1, (http/1.1)}{0.0.0.0:9191}
2022-04-05 16:30:34.896+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started @2196ms
2022-04-05 16:30:34.897+0000 [id=26] INFO winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2022-04-05 16:30:35.311+0000 [id=32] INFO jenkins.InitReactorRunner$1#onAttained: Started initialization
2022-04-05 16:30:37.138+0000 [id=37] INFO jenkins.InitReactorRunner$1#onAttained: Listed all plugins
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$2 (file:/F:/Tools/Jenkins_Home/war/WEB-INF/lib/guice-4.0.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$2
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
2022-04-05 16:30:43.289+0000 [id=38] INFO jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2022-04-05 16:30:43.302+0000 [id=40] INFO jenkins.InitReactorRunner$1#onAttained: Started all plugins
2022-04-05 16:30:43.319+0000 [id=40] INFO jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2022-04-05 16:30:45.214+0000 [id=36] INFO jenkins.InitReactorRunner$1#onAttained: System config loaded
2022-04-05 16:30:45.217+0000 [id=36] INFO jenkins.InitReactorRunner$1#onAttained: System config adapted
2022-04-05 16:30:45.312+0000 [id=36] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2022-04-05 16:30:45.313+0000 [id=43] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
2022-04-05 16:30:45.378+0000 [id=59] INFO hudson.model.AsyncPeriodicWork#lambda$doRun$1: Started Download metadata
2022-04-05 16:30:45.386+0000 [id=59] INFO hudson.model.AsyncPeriodicWork#lambda$doRun$1: Finished Download metadata
a. 5 ms
2022-04-05 16:30:45.503+0000 [id=42] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
2022-04-05 16:30:45.565+0000 [id=25] INFO hudson.WebAppMain$3#run: Jenkins is fully up and running
```

18. Open browser and hit <http://localhost:9191/>, and you will be landed to Jenkins login page



Welcome to Jenkins!

☐ Keep me signed in

19. Here you have to enter the username and password you set in **STEP 12**
20. Post that you will be navigated to the same Jenkins home page (**STEP 15**)