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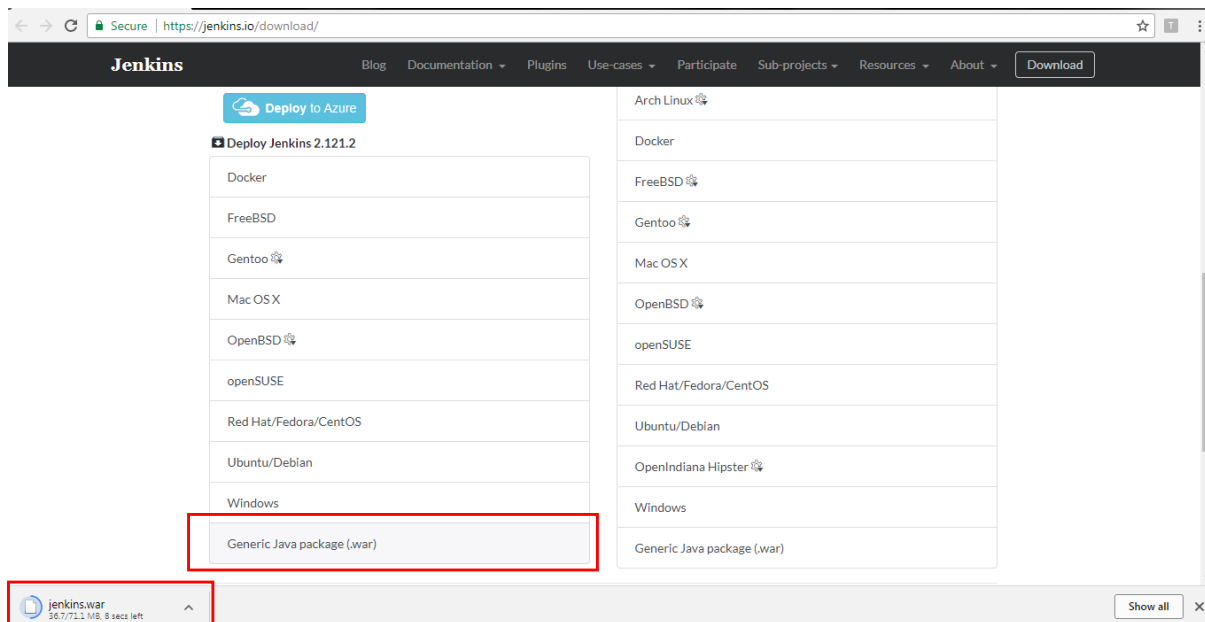
1) Jenkins Installation

Required Files

- jenkins.war file to run Jenkins on local host (local machine)

Steps to follow:

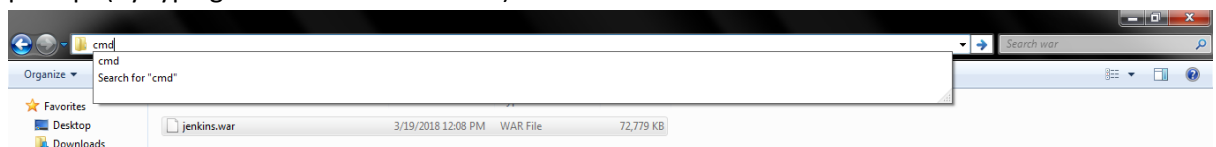
1. Go to the link and download the war file
2. <https://jenkins.io/download/>



Or also can be downloaded directly by clicking the below link

<http://mirrors.jenkins.io/war-stable/latest/jenkins.war>

3. After downloading the war file, navigate to the downloaded folder and start command prompt (by typing cmd in the address bar)



Type: **java -jar jenkins.war**

```
C:\Windows\System32\cmd.exe - java -jar jenkins.war
Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

E:\Koushik\Documents\Jenkins>java -jar jenkins.war
Running from: E:\Koushik\Documents\Jenkins\jenkins.war
webroot: $user.home/.jenkins
Feb 12, 2018 4:09:46 PM Main deleteWinstoneTempContents
WARNING: Failed to delete the temporary Winstone file C:\Users\TestLeaf\AppData\Local\Temp\winstone\jenkins.war
Feb 12, 2018 4:09:46 PM org.eclipse.jetty.util.log.Log initialized
INFO: Logging initialized @1763ms to org.eclipse.jetty.util.log.JavaUtilLog
Feb 12, 2018 4:09:46 PM winstone.Logger logInternal
INFO: Beginning extraction from war file
```

```
C:\Windows\System32\cmd.exe - java -jar jenkins.war
INFO:

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

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

14833cd60da648cd95381ea3d50ff881

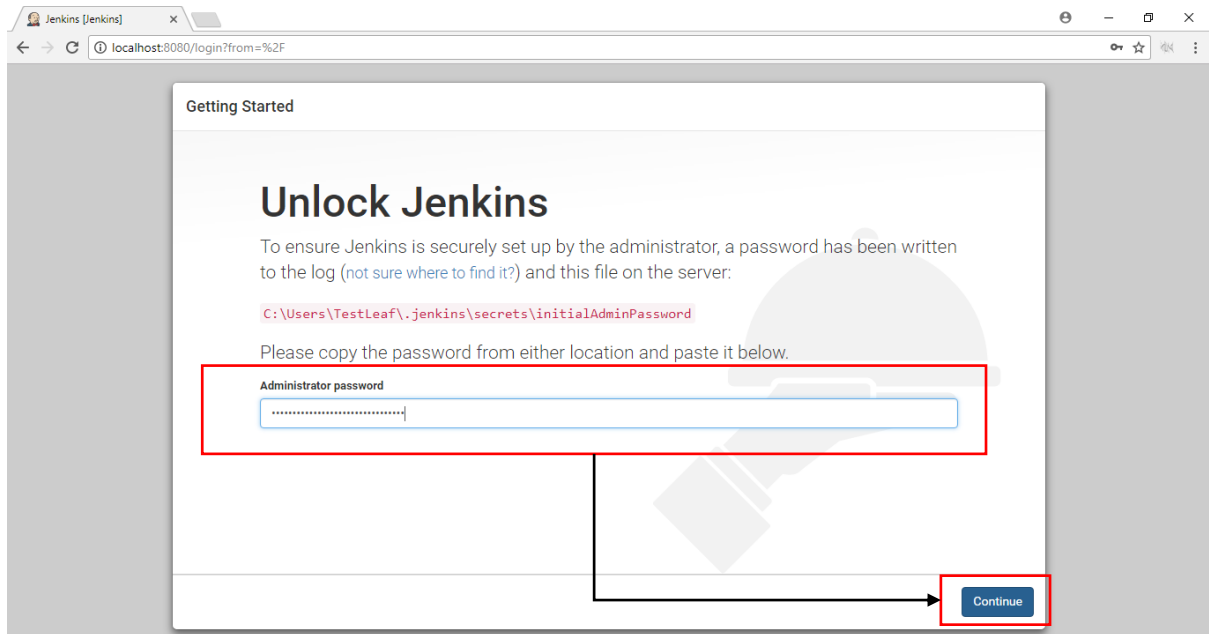
This may also be found at: C:\Users\TestLeaf\.jenkins\secrets\initialAdminPassword

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

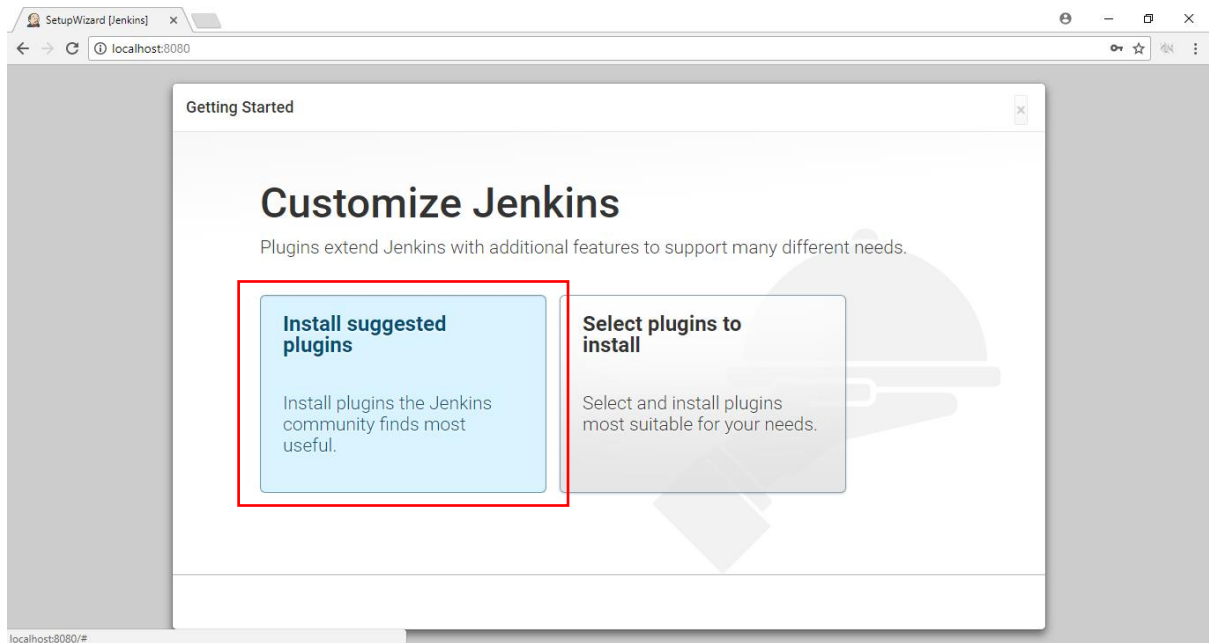
Feb 12, 2018 4:11:49 PM hudson.model.UpdateSite updateData
INFO: Obtained the latest update center data file for UpdateSource default
Feb 12, 2018 4:11:51 PM hudson.model.DownloadService$Downloadable load
INFO: Obtained the updated data file for hudson.tasks.Maven.MavenInstaller
Feb 12, 2018 4:11:53 PM hudson.model.UpdateSite updateData
INFO: Obtained the latest update center data file for UpdateSource default
Feb 12, 2018 4:11:53 PM hudson.WebAppMain$3 run
INFO: Jenkins is fully up and running
Feb 12, 2018 4:11:55 PM hudson.model.DownloadService$Downloadable load
INFO: Obtained the updated data file for hudson.tools.JDKInstaller
Feb 12, 2018 4:11:55 PM hudson.model.AsyncPeriodicWork$1 run
INFO: Finished Download metadata. 25,706 ms
```

4. Open Chrome browser
5. Type the url - localhost:8080 and type the password shown in the console
(Copy & paste the password) – *Highlighted in yellow color on the above snap*

6. Click Continue

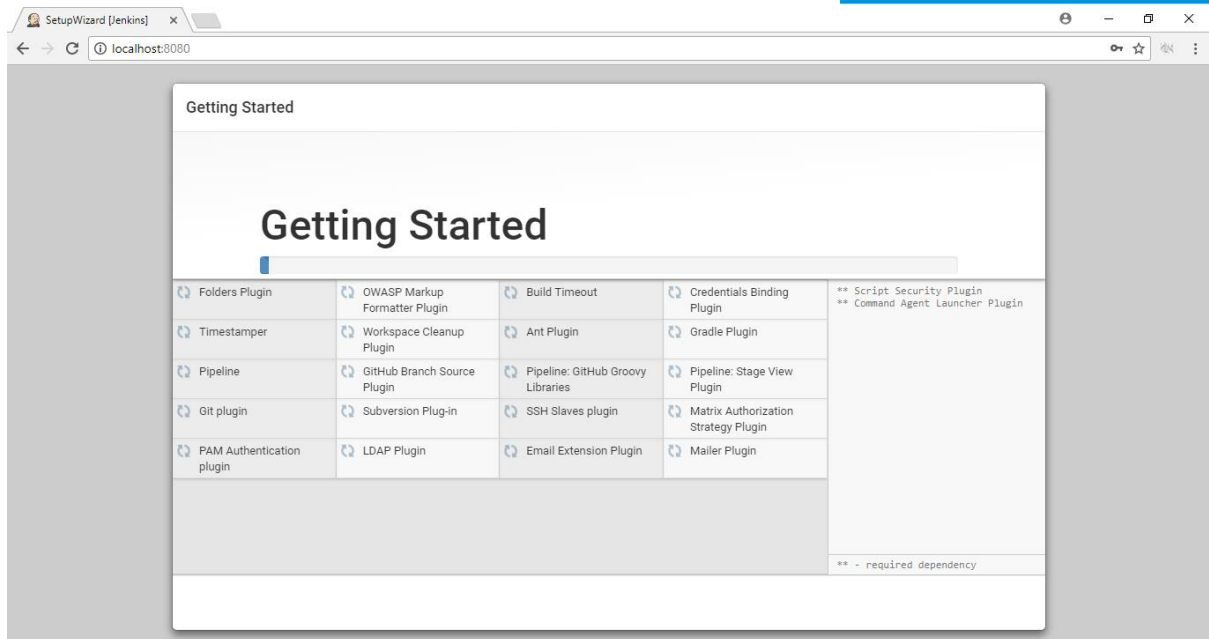


7. Click Install Suggested plugins



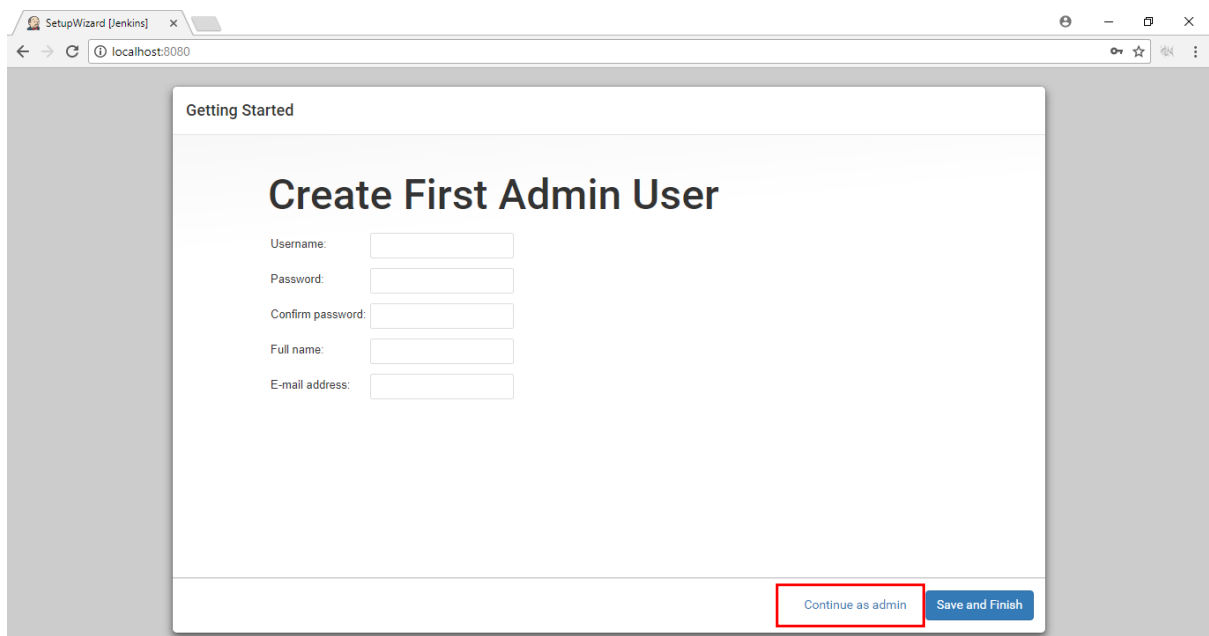
Installation of plugins will take some time, depending upon the internet connectivity speed

(If you are not able to see the page, check the index page for solution) [Top of the Document](#)



Once plugins are installed successfully,

8. Click Continue as admin



9. Click Save and Finish

Getting Started

Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Not now

Save and Finish

10. Click Start using Jenkins

SetupWizard [Jenkins] x

localhost:8080

Getting Started

Jenkins is ready!

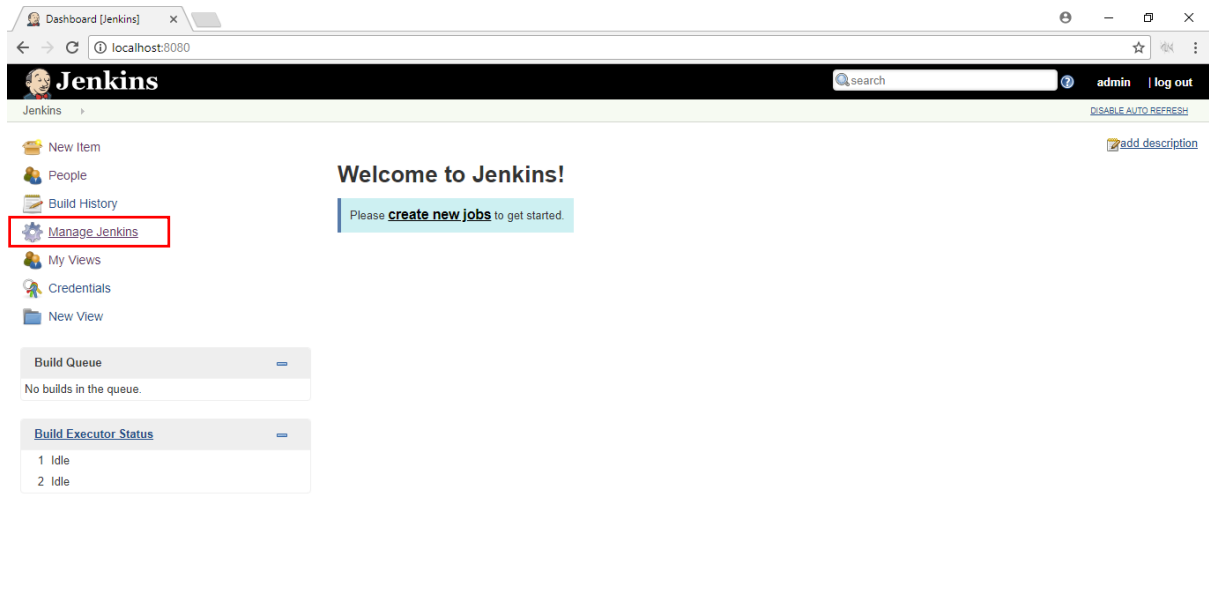
You have skipped the **setup of an admin user**.

To log in, use the username: "admin" and the administrator password you used to access the setup wizard.

Your Jenkins setup is complete.

Start using Jenkins

11. Click on Manage Jenkins



The screenshot shows the Jenkins web interface in a browser window. The address bar indicates the URL is `localhost:8080`. The Jenkins logo is at the top left, and the top right contains a search bar, an 'admin' link, and a 'log out' link. The left sidebar lists several navigation items: 'New Item', 'People', 'Build History', 'Manage Jenkins' (highlighted with a red rectangle), 'My Views', 'Credentials', and 'New View'. The main content area features a 'Welcome to Jenkins!' message with a prompt to 'create new jobs'. Below this, there are two sections: 'Build Queue' showing 'No builds in the queue.' and 'Build Executor Status' showing two idle executors.

Dashboard [Jenkins] x

localhost:8080

Jenkins

Search admin log out

DISABLE AUTO REFRESH

add description

New Item

People

Build History

Manage Jenkins

My Views

Credentials

New View

Build Queue

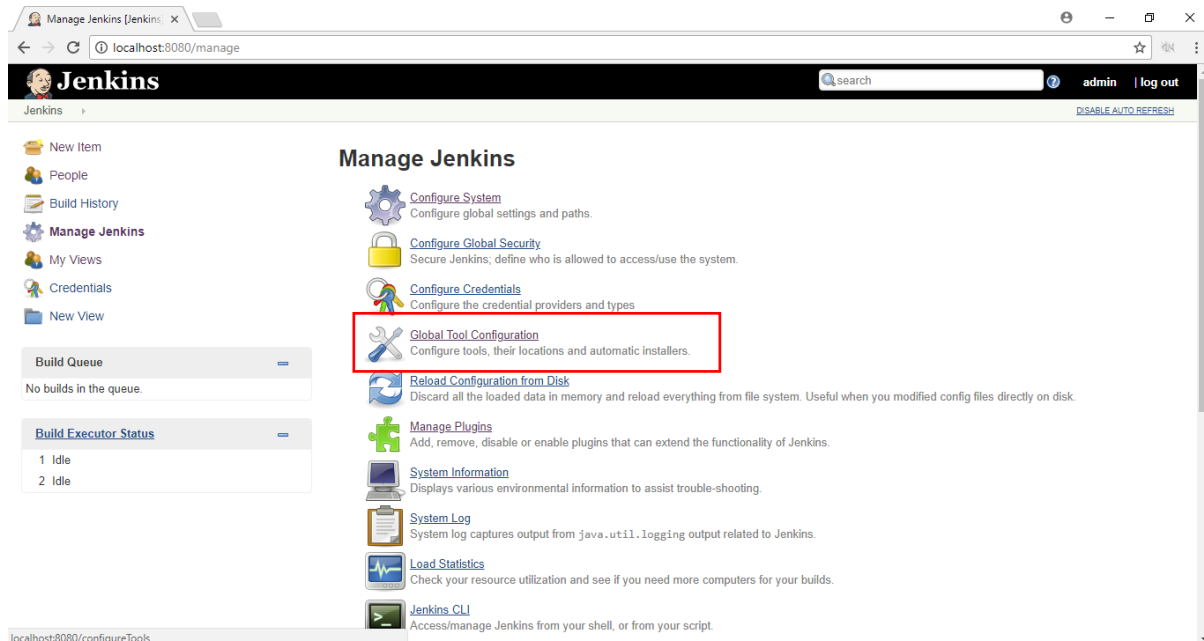
No builds in the queue.

Build Executor Status

1 Idle

2 Idle

12. Click Global Tool Configurations



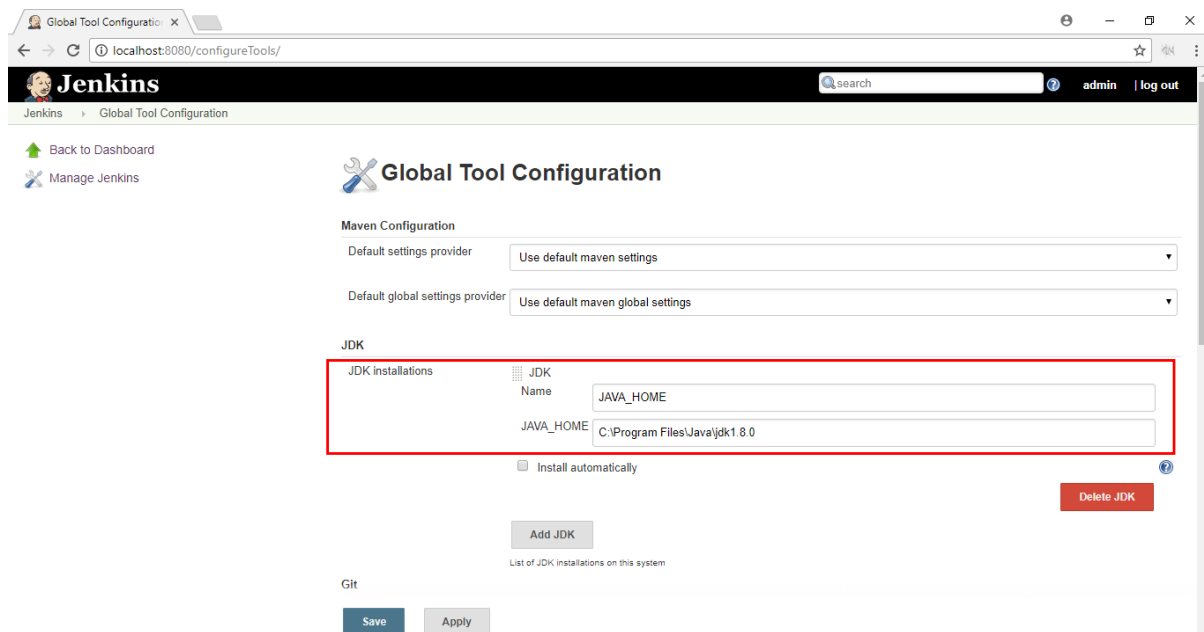
The screenshot shows the Jenkins 'Manage Jenkins' page. The 'Global Tool Configuration' option is highlighted with a red box. The page includes a sidebar with navigation links like 'New Item', 'People', 'Build History', 'Manage Jenkins', 'My Views', 'Credentials', and 'New View'. The main content area lists various configuration options: 'Configure System', 'Configure Global Security', 'Configure Credentials', 'Global Tool Configuration' (highlighted), 'Reload Configuration from Disk', 'Manage Plugins', 'System Information', 'System Log', 'Load Statistics', and 'Jenkins CLI'.

13. Set Path for JDK

14. Uncheck Install Automatically (To make the textbox to be appear)

15. Type JAVA_HOME as name

16. Paste the path of jdk

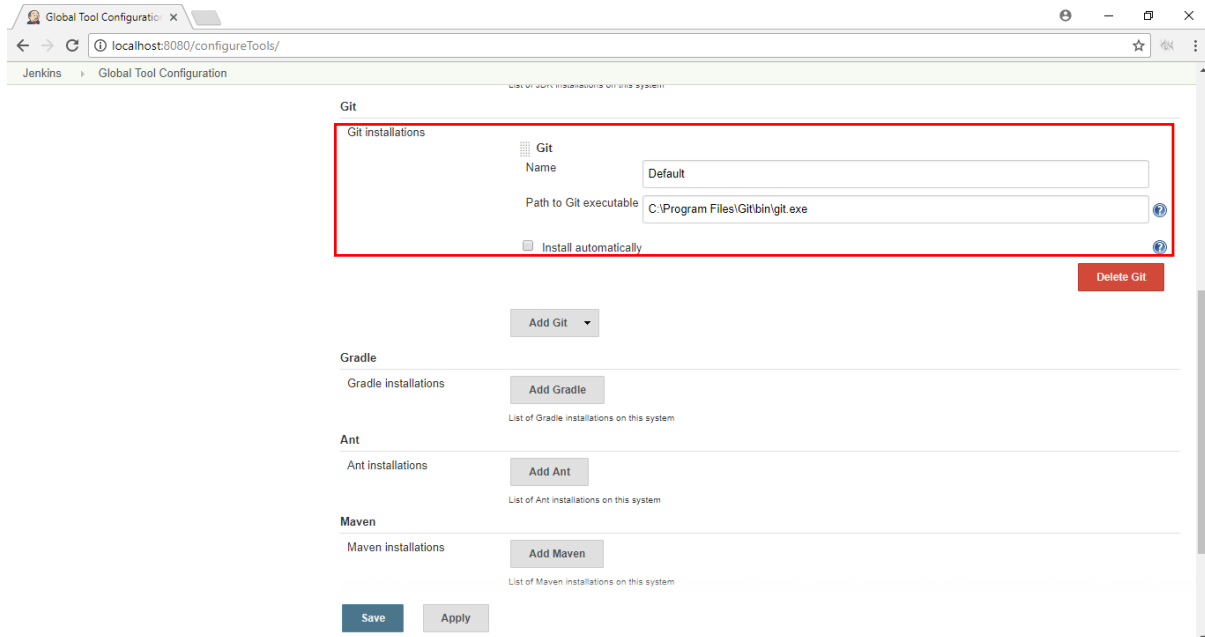


The screenshot shows the Jenkins 'Global Tool Configuration' page. The 'JDK' section is highlighted with a red box. It contains a table for 'JDK installations' with columns for 'Name' and 'JAVA_HOME'. The 'Name' field is set to 'JAVA_HOME' and the 'JAVA_HOME' field is set to 'C:\Program Files\Java\jdk1.8.0'. The 'Install automatically' checkbox is unchecked. There is a 'Delete JDK' button and an 'Add JDK' button. The page also includes a 'Maven Configuration' section and a 'Git' section.

17. Set path for Git

18. Uncheck Install Automatically

(Please refer Git installation Guide to install Git, if git is not already installed)



Global Tool Configuration

localhost:8080/configureTools/

Jenkins > Global Tool Configuration

Git

Git installations

| Git | |
|------------------------|----------------------------------|
| Name | Default |
| Path to Git executable | C:\Program Files\Git\bin\git.exe |
| Install automatically | <input type="checkbox"/> |

Delete Git

Add Git

Gradle

Gradle installations

Add Gradle

List of Gradle installations on this system

Ant

Ant installations

Add Ant

List of Ant installations on this system

Maven

Maven installations

Add Maven

List of Maven installations on this system

Save Apply

19. Click Apply

20. Click Save

21. Click Logout

Note: If the command prompt is closed Jenkins will not run.

Complete the installation fully, if stops in between you will face issues

Note: Username: admin

Password:

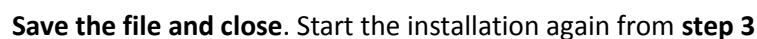
It can be found in the location C:\Users\{(user name)}\.jenkins\secrets\initialAdminPassword ->
Right click the file and open with notepad

That's all.

Congratulations

Installation completed.

Thank you!



3) Password

If you run Jenkins second time it won't show password in the console.

To get the password, follow the instruction.

Username: admin

Password:

It can be found in the location `C:\Users\{user name}\.jenkins\secrets\initialAdminPassword` ->

Right click the file and open with notepad