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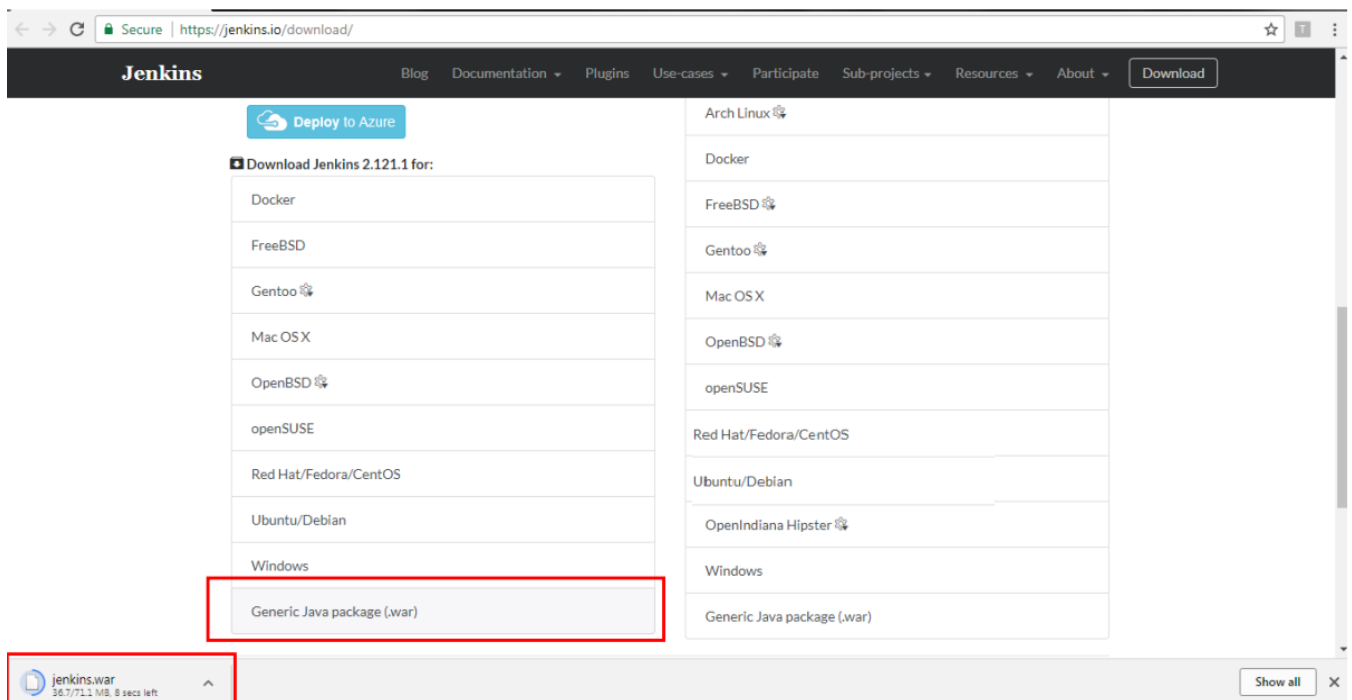
1. Jenkins Installation

Required Files

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

Steps to follow:

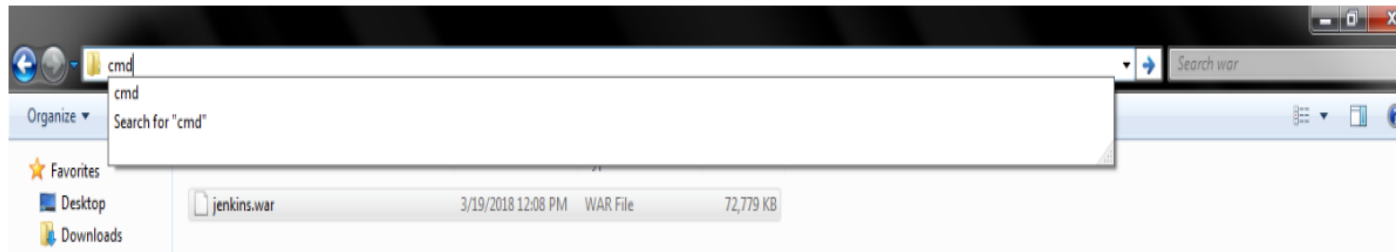
1. Go to the link and download the war file
2. <https://jenkins.io/download/>



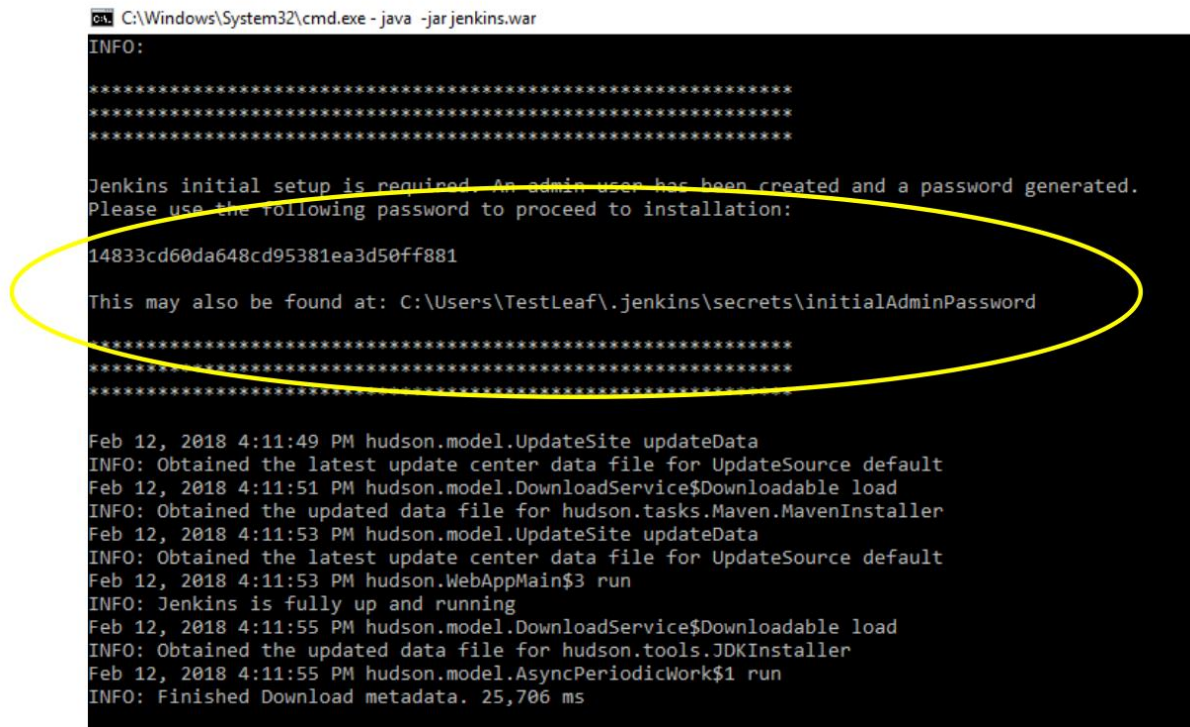
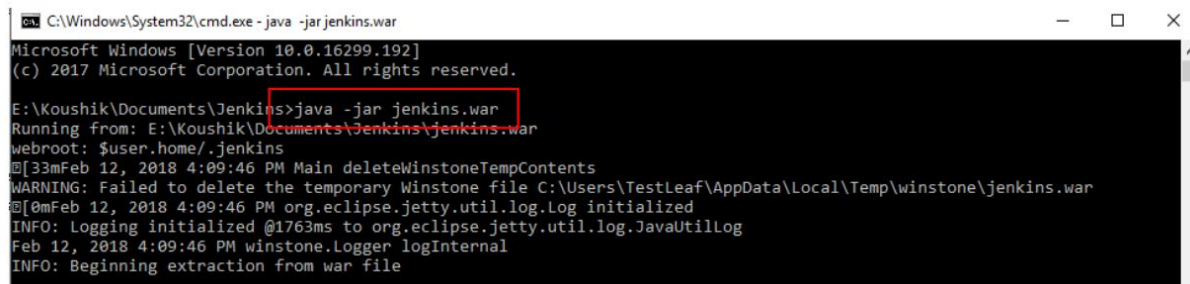
Or also can be downloaded directly by clicking the below link

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

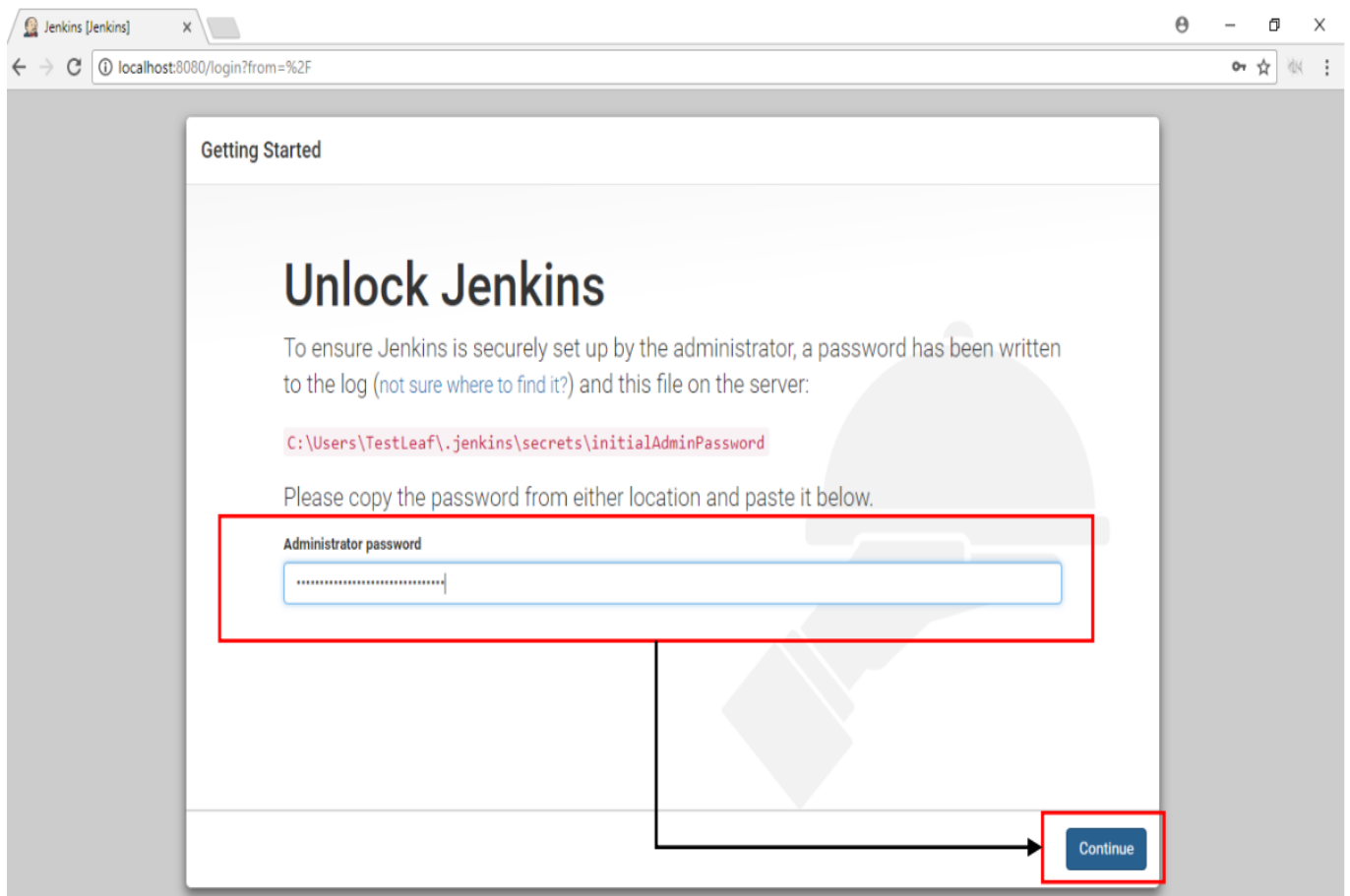
3. After downloading the war file, navigate to the downloaded folder and start command prompt (by typing cmd in the address bar)



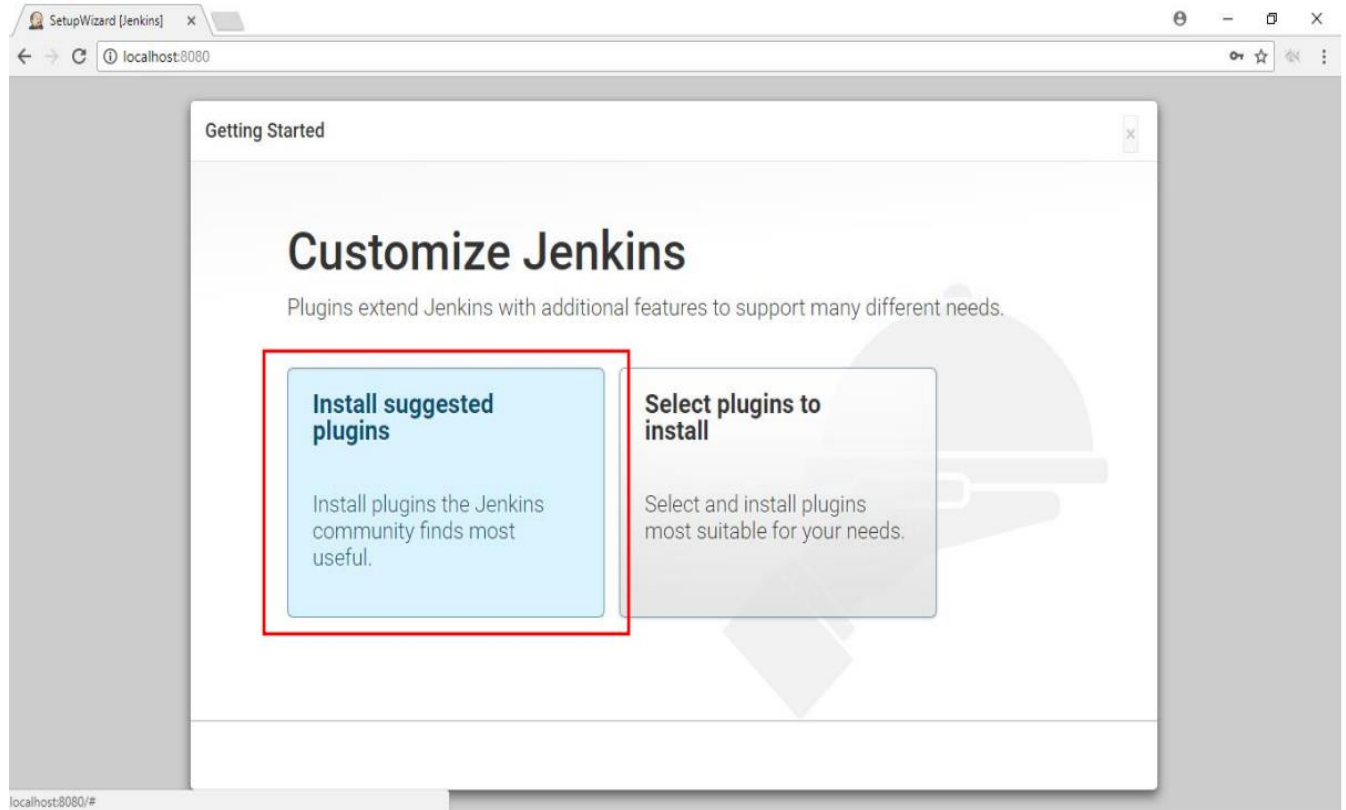
Type: java -jar jenkins .war



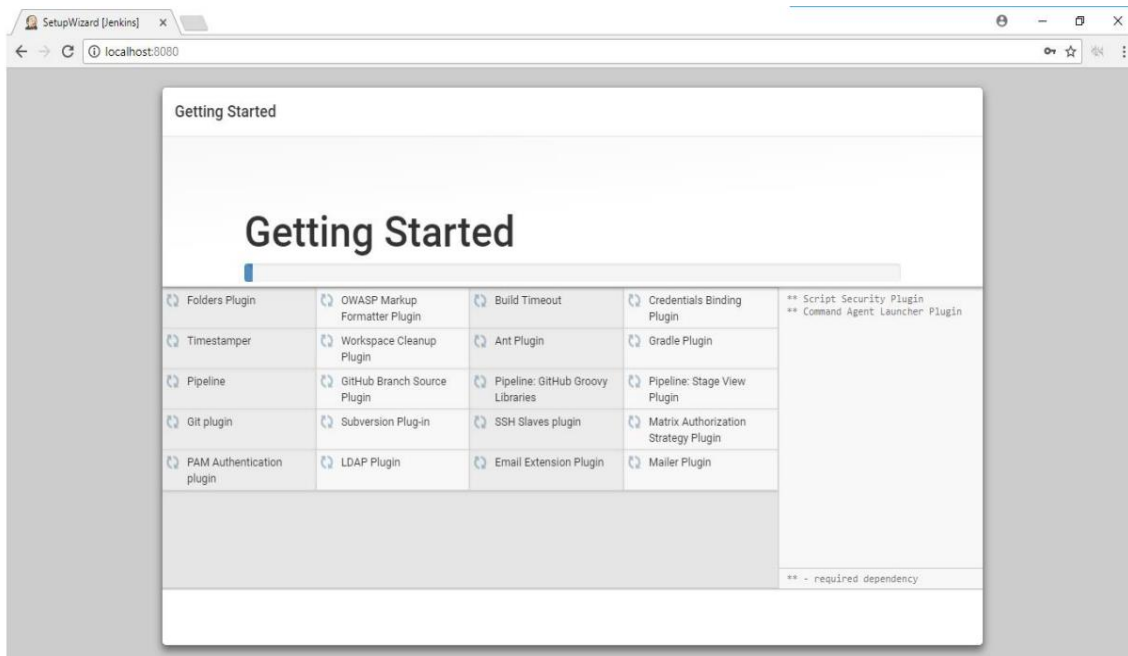
4. Open Chrome browser
5. Type the url - localhost:8080 and type the password shown in the console
(Copy & paste the password) – Highlighted in yellow color on the above snap
6. Click Continue



7. Click Install Suggested plugins

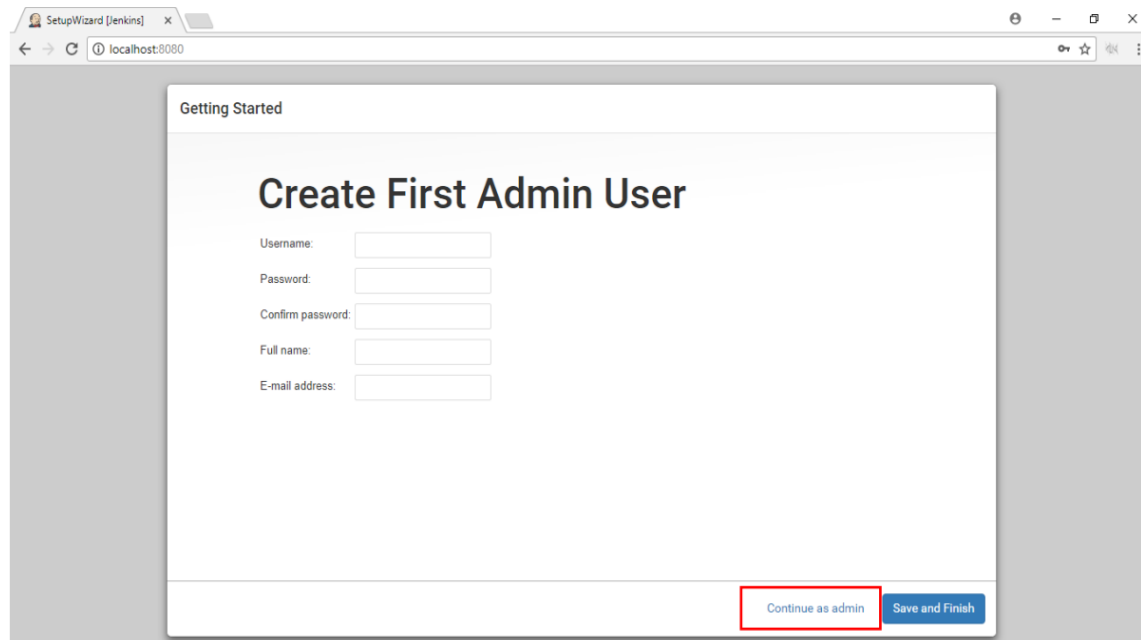


Installation of plugins will take some time, depending upon the internet connectivity speed (If you are not able to see the page, check the index page for solution)Top of the Document



Once plugins are installed successfully,

8. Click Continue as admin



9. Click Save and Finish

Getting Started

Instance Configuration

Jenkins URL:

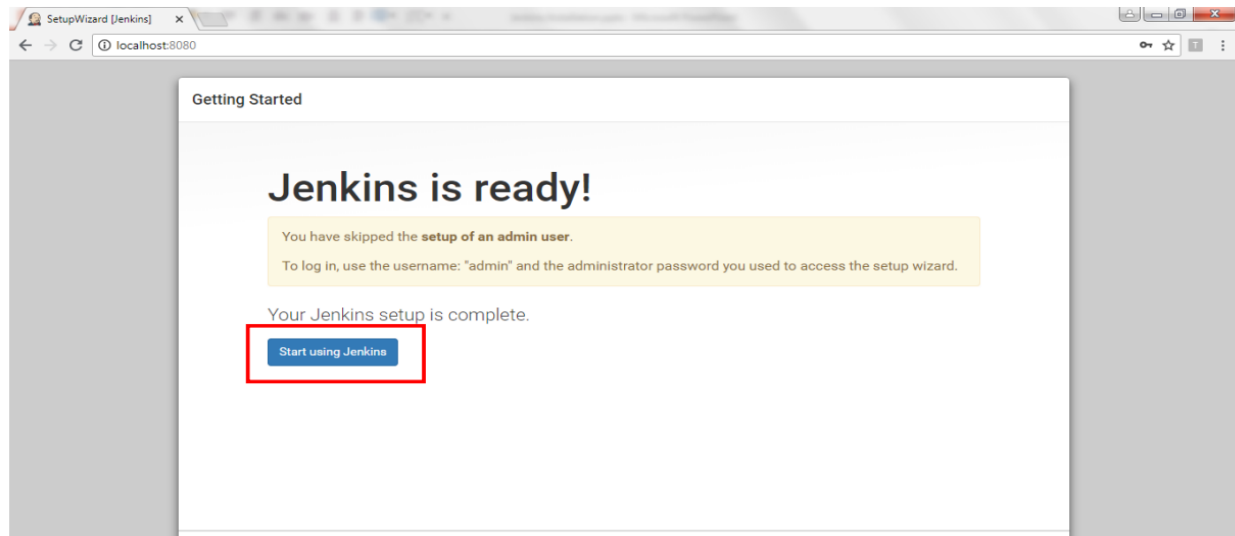
The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.

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.

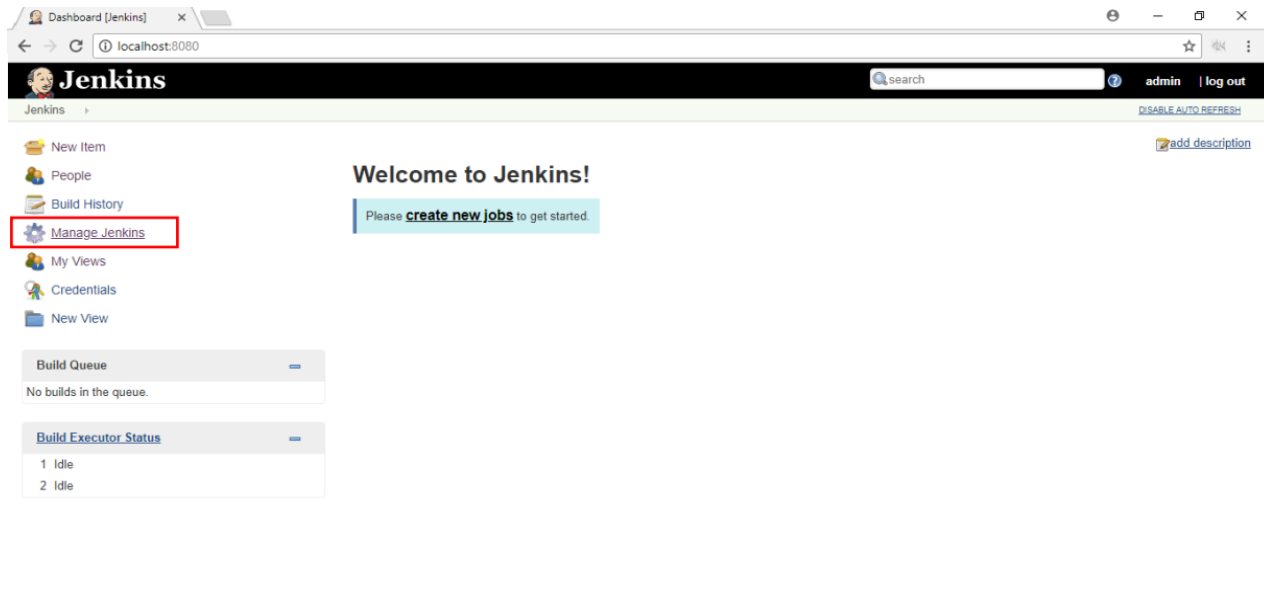
Not now

Save and Finish

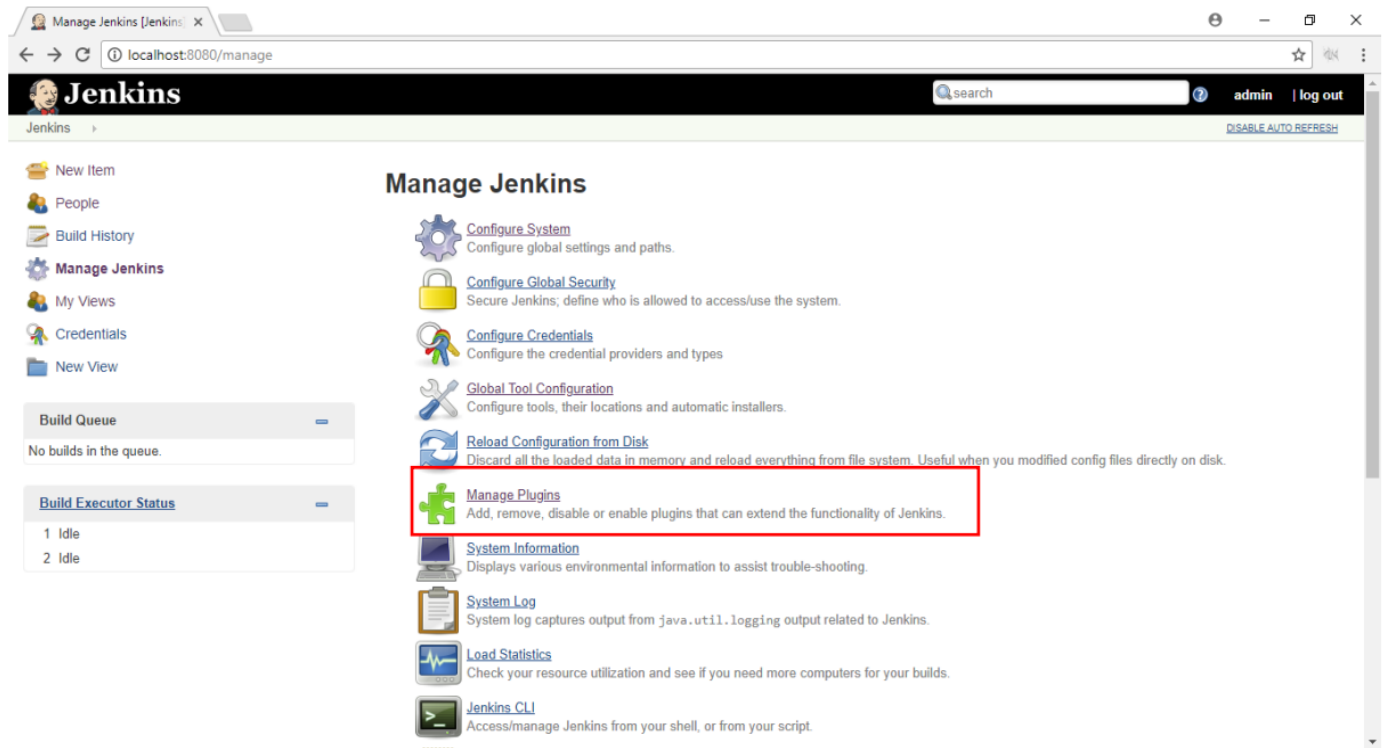
10. Click Start using Jenkins



11. Click on Manage Jenkins



12. Click on Manage Plugins



13. Click on Available

14. Click on search field and type maven integration and press enter

15. Check on Maven Integration plugin

16. Click on Install without restart

Update Center [jenkins] x

localhost:8080/pluginManager/available

Jenkins

admin | log out

Jenkins > Plugin Manager

- Back to Dashboard
- Manage Jenkins
- Update Center

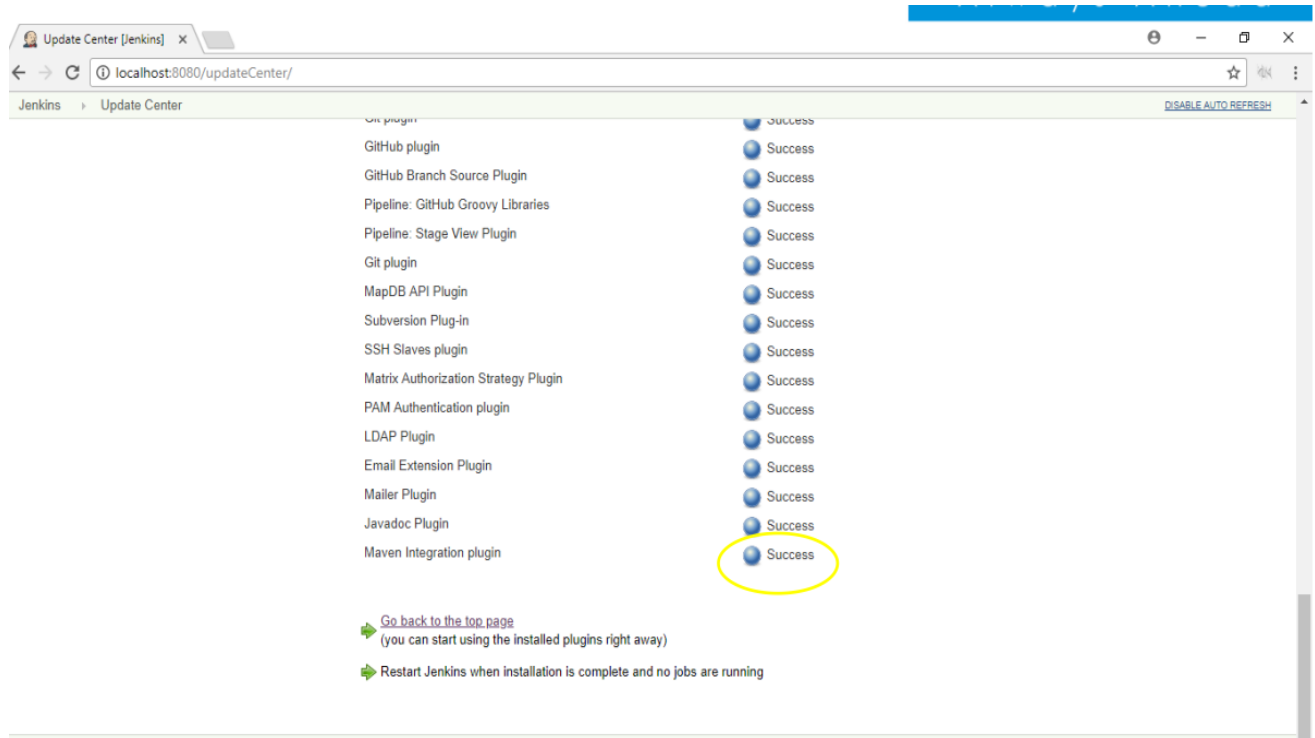
Updates **Available** Installed Advanced

Filter:

Install	Name	Version
<input checked="" type="checkbox"/>	<u>Maven Integration plugin</u> This plug-in provides, for better and for worse, a deep integration of Jenkins and Maven. Automatic triggers between projects depending on SNAPSHOTS, automated configuration of various Jenkins publishers (JUnit, ...).	3.1
<input type="checkbox"/>	<u>Pipeline Maven Integration plugin</u> This plugin provides integration with Pipeline, configures maven environment to use within a pipeline job by calling sh mvn or bat mvn. The selected maven installation will be configured and prepended to the path.	3.3.0

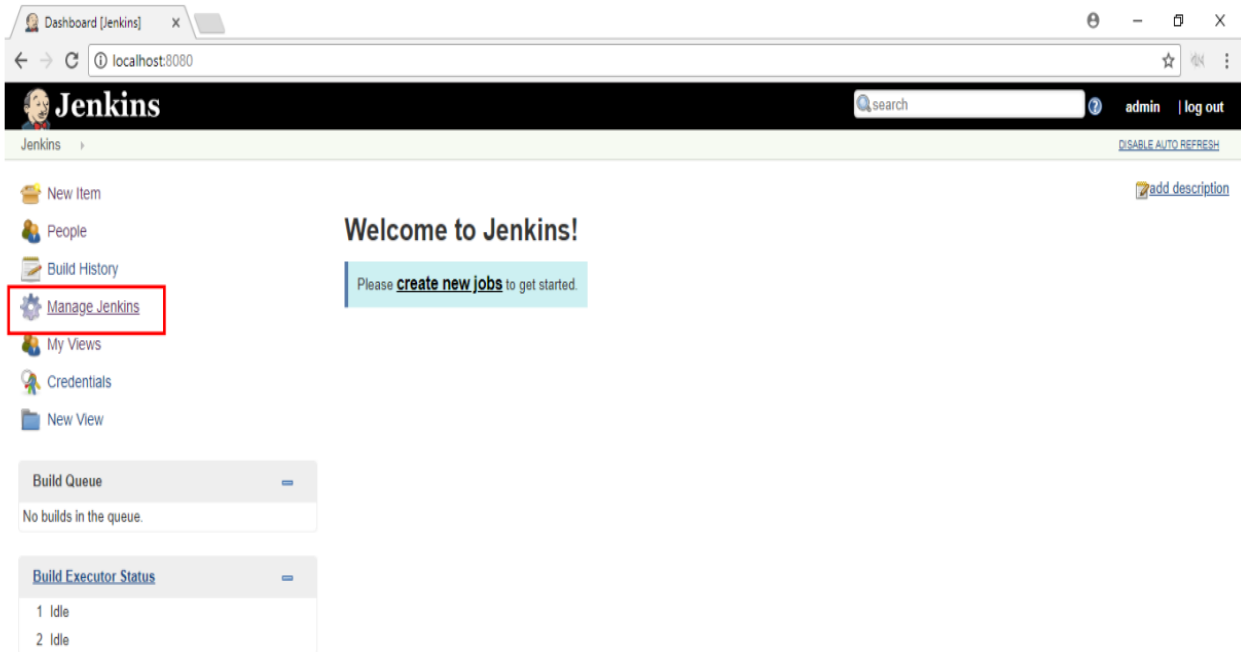
Install without restart **Download now and install after restart** **Check now**

Update information obtained: 34 min ago



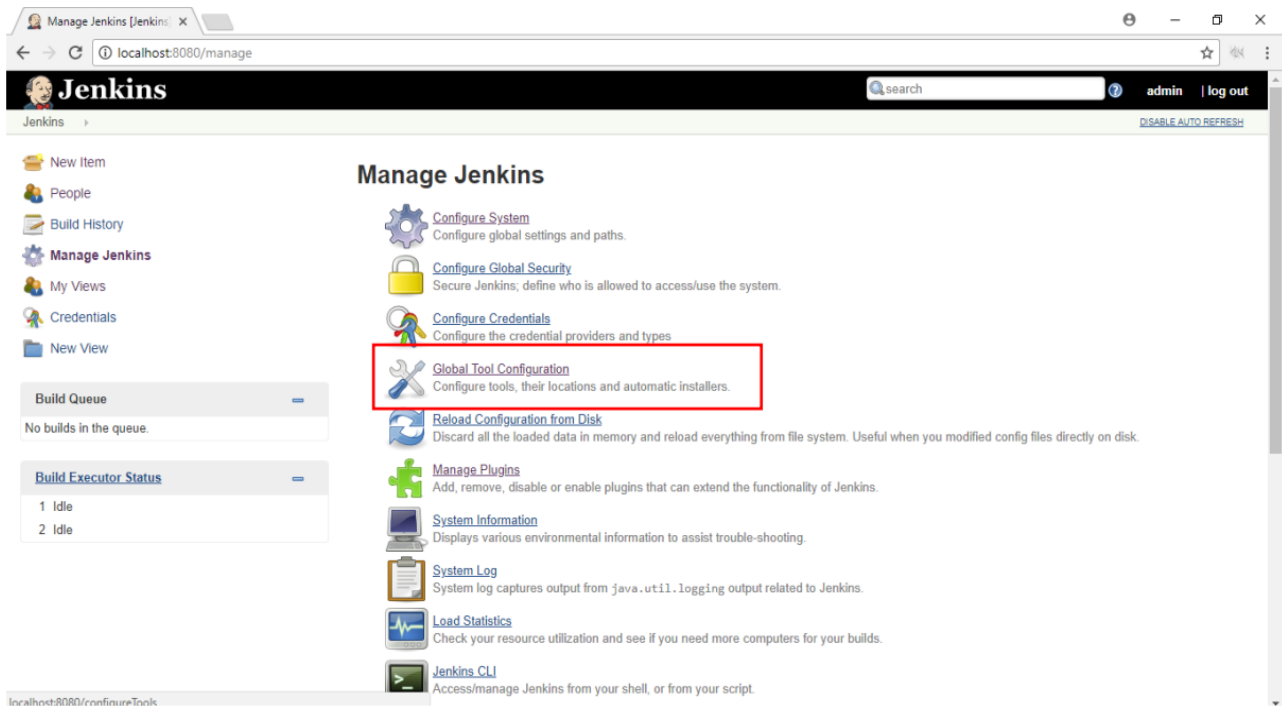
Once download is over and plugin got installed

17. Click Manage Jenkins



The screenshot shows the Jenkins web interface in a browser window. The browser's address bar displays 'localhost:8080'. The Jenkins header includes the logo, a search bar, and links for 'admin' and 'log out'. A left sidebar contains navigation links: '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 expandable sections: 'Build Queue' (showing 'No builds in the queue.') and 'Build Executor Status' (showing two 'Idle' executors).

18. Click Global Tool Configurations

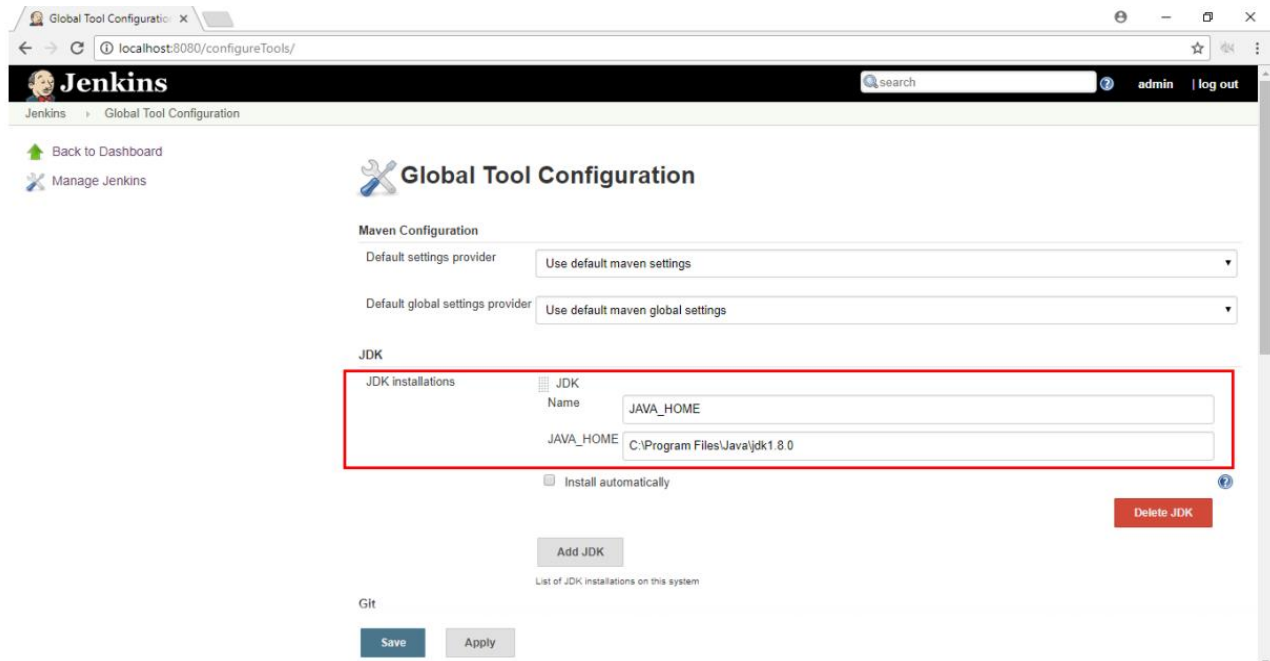


19. Set Path for JDK

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

21. Type JAVA_HOME as name

22. Paste the path of jdk



The screenshot shows the Jenkins Global Tool Configuration page. The browser address bar indicates the URL is localhost:8080/configureTools/. The Jenkins header includes a search bar and links for 'admin' and 'log out'. The left sidebar contains links for 'Back to Dashboard' and 'Manage Jenkins'. The main content area is titled 'Global Tool Configuration' and features a 'Maven Configuration' section with dropdowns for 'Default settings provider' and 'Default global settings provider'. Below this is the 'JDK' section, which contains a table for 'JDK installations'. The table has columns for 'Name' and 'JAVA_HOME'. The first entry has 'Name' as 'JAVA_HOME' and 'JAVA_HOME' as 'C:\Program Files\Java\jdk1.8.0'. This entry is highlighted with a red border. Below the table is an 'Add JDK' button and a 'Delete JDK' button. At the bottom, there is a 'Git' section with 'Save' and 'Apply' buttons.

Global Tool Configuration

Maven Configuration

Default settings provider: Use default maven settings

Default global settings provider: Use default maven global settings

JDK

JDK
<div>Name: JAVA_HOME</div> <div>JAVA_HOME: C:\Program Files\Java\jdk1.8.0</div>

☐ Install automatically

Add JDK

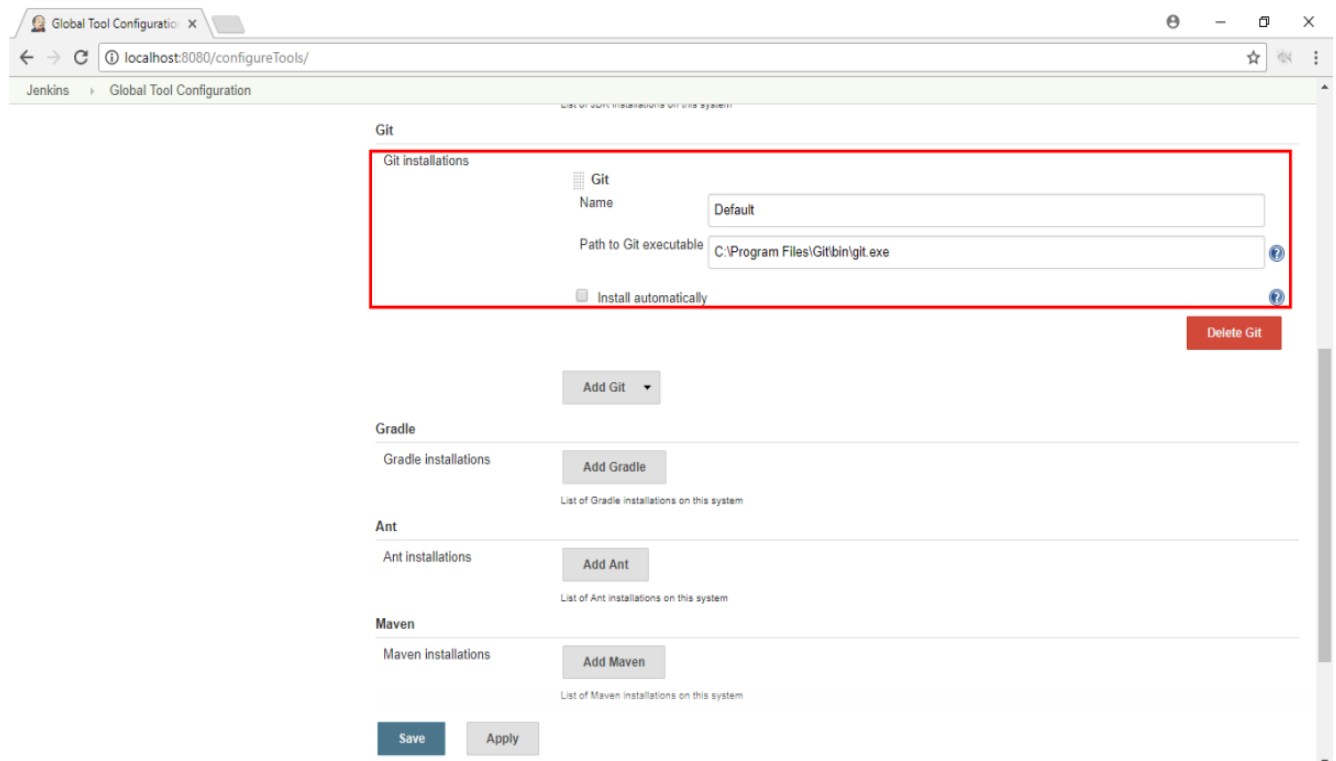
Delete JDK

Git

Save Apply

23. Set path for Git

24. Uncheck Install Automatically (Please refer Git installation Guide to install Git, if git is not already installed)



The screenshot shows the Jenkins Global Tool Configuration page in a web browser. The browser's address bar shows 'localhost:8080/configureTools/'. The page title is 'Global Tool Configuration'. The 'Git' section is highlighted with a red box. It contains a 'Git installations' table with one entry. The 'Name' field is 'Default', and the 'Path to Git executable' field is 'C:\Program Files\Git\bin\git.exe'. There is an 'Install automatically' checkbox which is unchecked. A 'Delete Git' button is to the right of the table. Below the Git section is an 'Add Git' button. The 'Gradle' section has an 'Add Gradle' button. The 'Ant' section has an 'Add Ant' button. The 'Maven' section has an 'Add Maven' button. At the bottom are 'Save' and 'Apply' buttons.

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
<input type="checkbox"/> Install automatically	

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

25. Similarly set path for Maven (Refer Maven Installation guide)

26. Uncheck Install Automatically

Global Tool Configuration X

localhost:8080/configureTools/

Jenkins Global Tool Configuration

Saved

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

Maven

Name

Default

MAVEN_HOME

C:\Program Files\apache-maven-3.5.2\

Install automatically

Delete Maven

Add Maven

List of Maven installations on this system

2 Save Apply 1

27. Click Apply

28. Click Save

29. 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

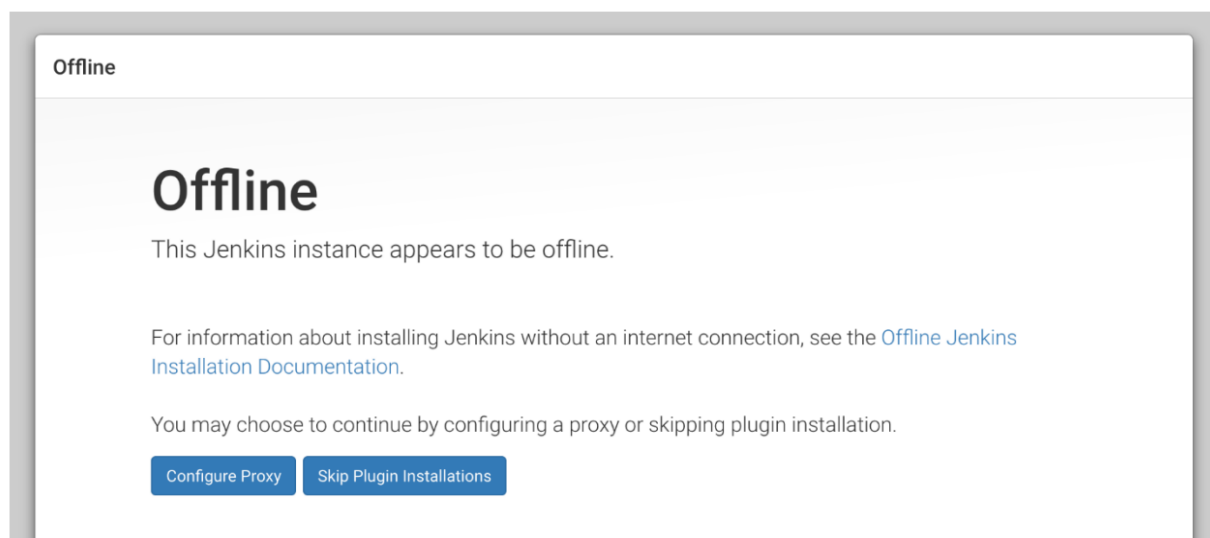
That's all.

Congratulations

Installation completed.

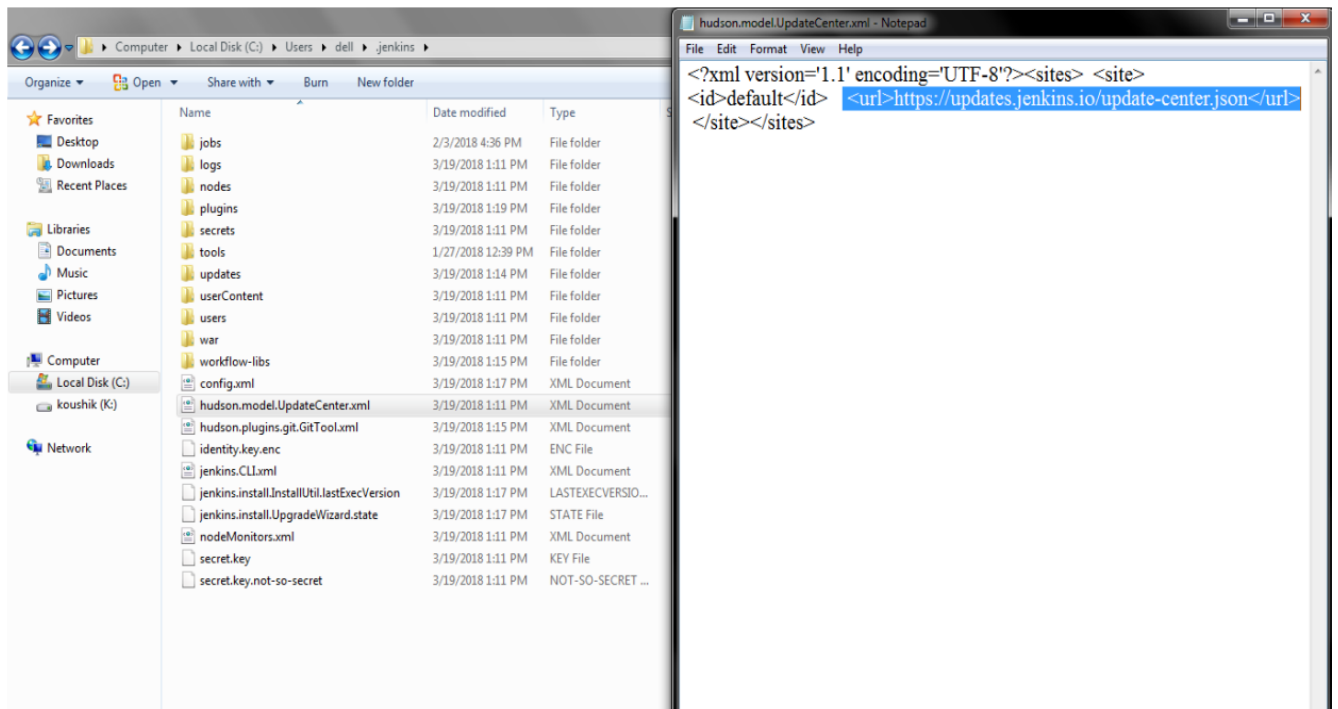
Thank you!

2. Common Issues



Solution:

1. Close Jenkins console (Close the cmd prompt)
2. Close Browser
3. Go to C drive -> Users -> your username -> .jenkins
4. In that folder right click on the file **hudson.model.UpdateCenter.xml** and open with notepad



Edit the URL to

<url> <http://updates.jenkins.io/update-center.json> </url> (https to http)

Save the file and close. Start the installation again from **step 3**

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