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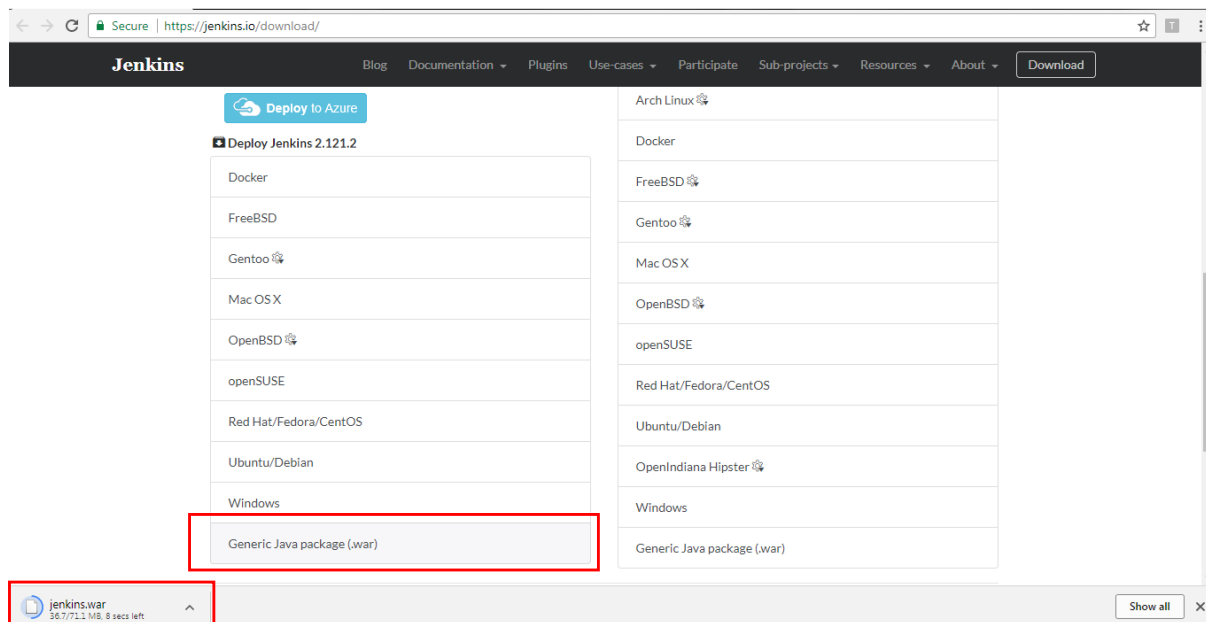
1) Jenkins Installation

Required Files

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

Steps to follow:

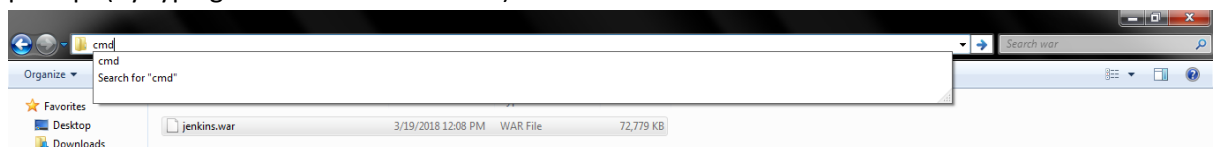
1. Go to the link and download the war file
2. <https://jenkins.io/download/>



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

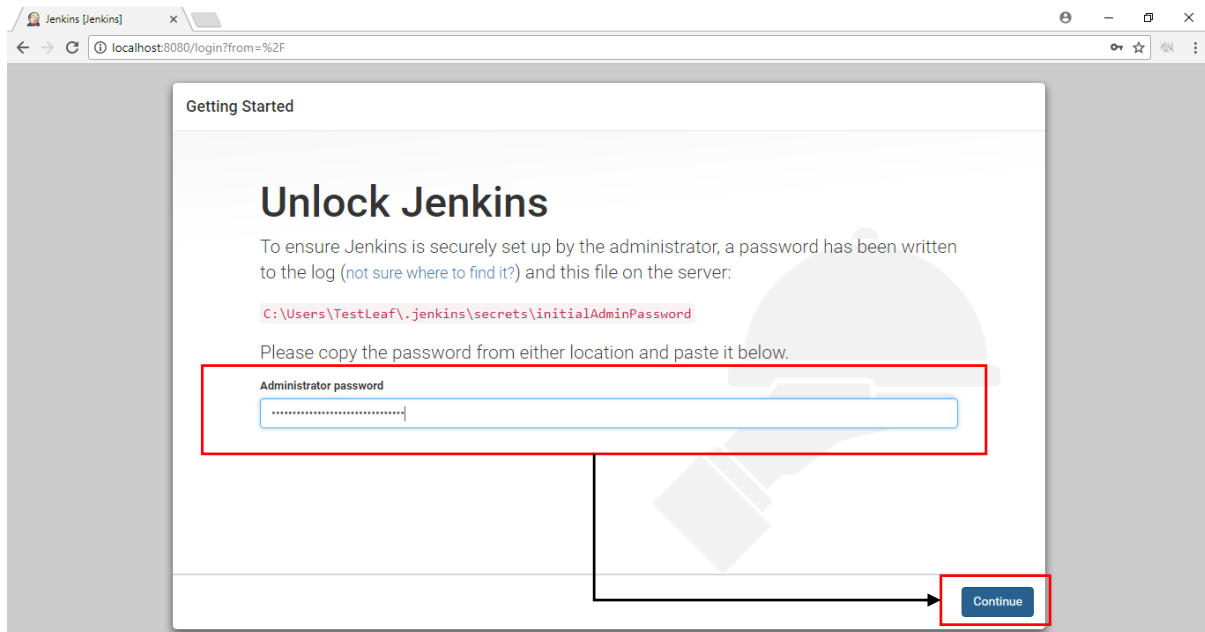
This may also be found at: C:\Users\TestLeaf\.jenkins\secrets\initialAdminPassword

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

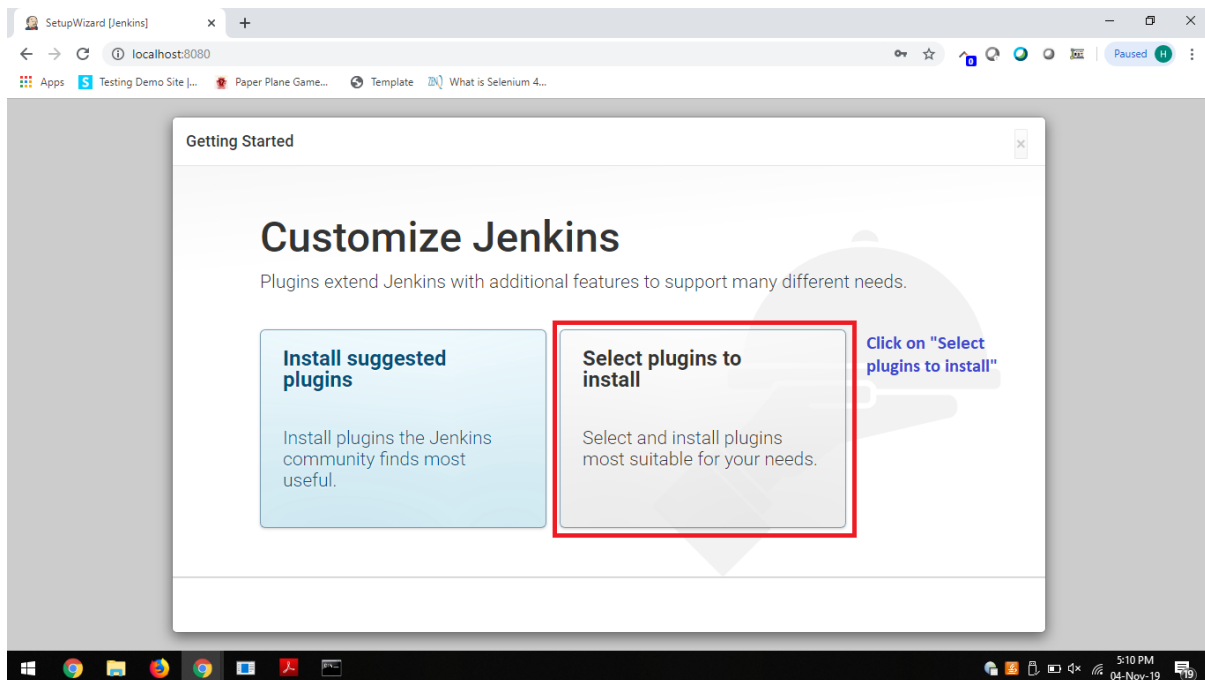
Feb 12, 2018 4:11:49 PM hudson.model.UpdateSite updateData
INFO: Obtained the latest update center data file for UpdateSource default
Feb 12, 2018 4:11:51 PM hudson.model.DownloadService$Downloadable load
INFO: Obtained the updated data file for hudson.tasks.Maven.MavenInstaller
Feb 12, 2018 4:11:53 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



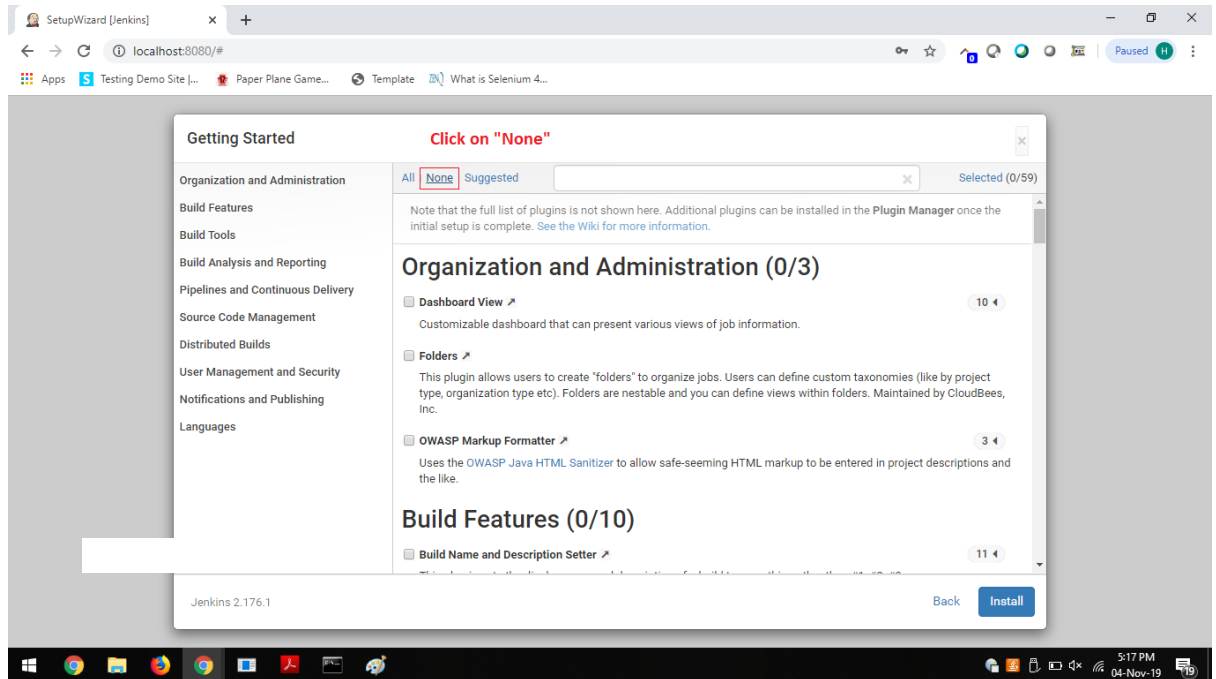
7. Click Select plugins to install



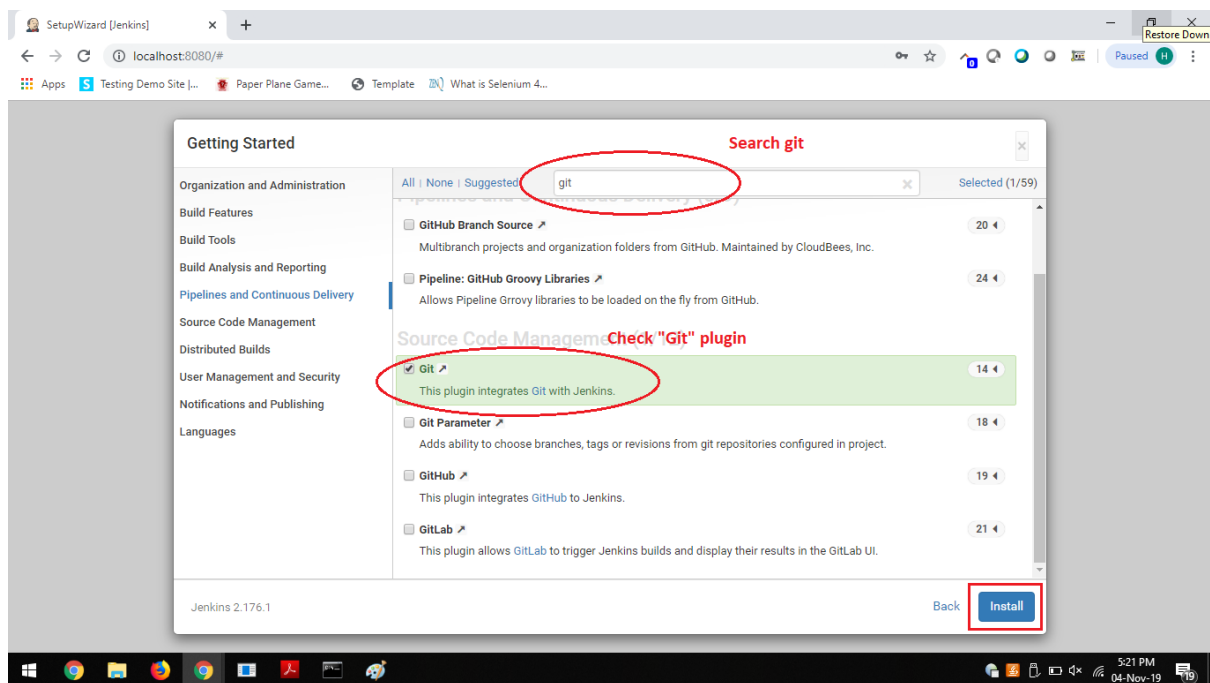
Installation of plugins will take some time, depending upon the internet connectivity speed

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

8. Click None

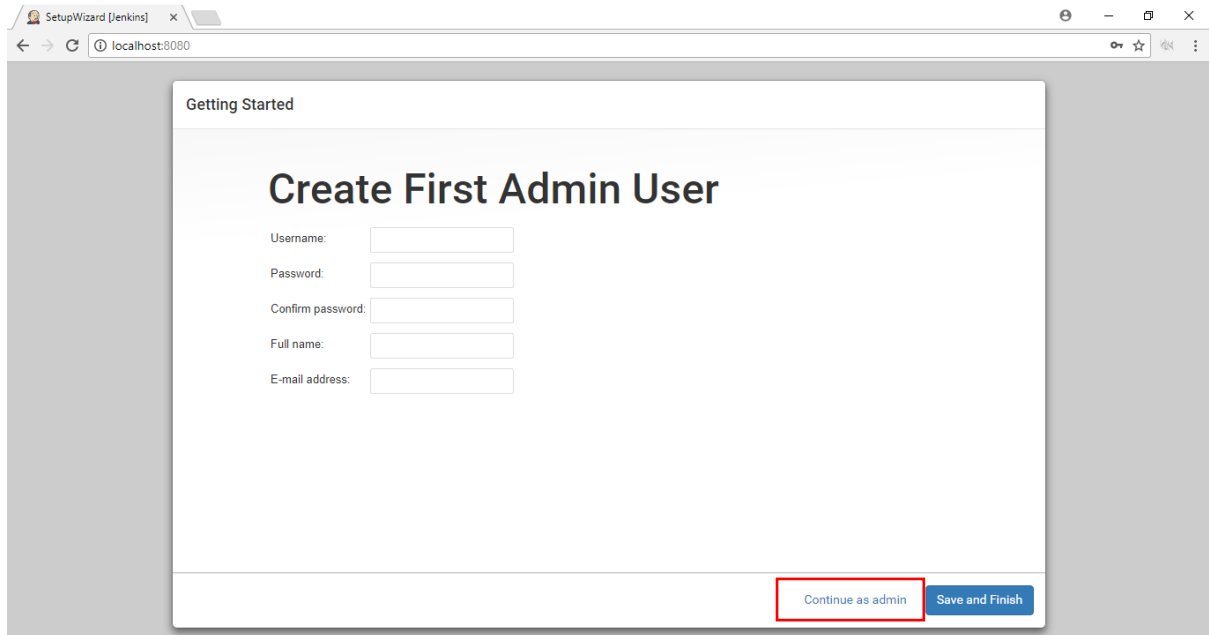


9. Install Git plugin



Once Git plugin is installed successfully,

10. Click Continue as admin



SetupWizard [Jenkins] x

localhost:8080

Getting Started

Create First Admin User

Username:

Password:

Confirm password:

Full name:

E-mail address:

Continue as admin Save and Finish

11. 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](#)

12. Click Start using Jenkins

SetupWizard [Jenkins] x

localhost:8080

Getting Started

Jenkins is ready!

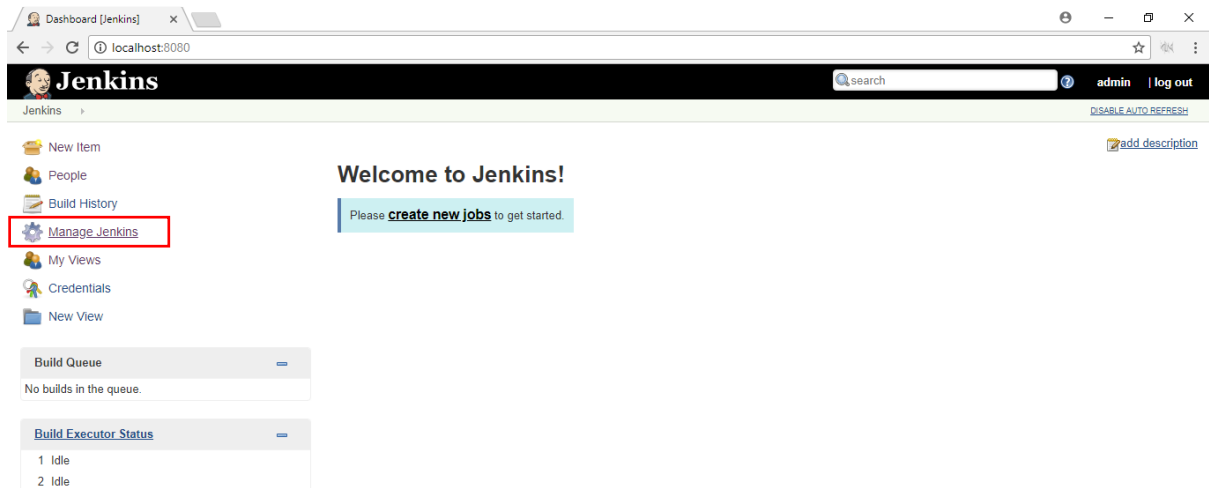
You have skipped the **setup of an admin user**.

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

Your Jenkins setup is complete.

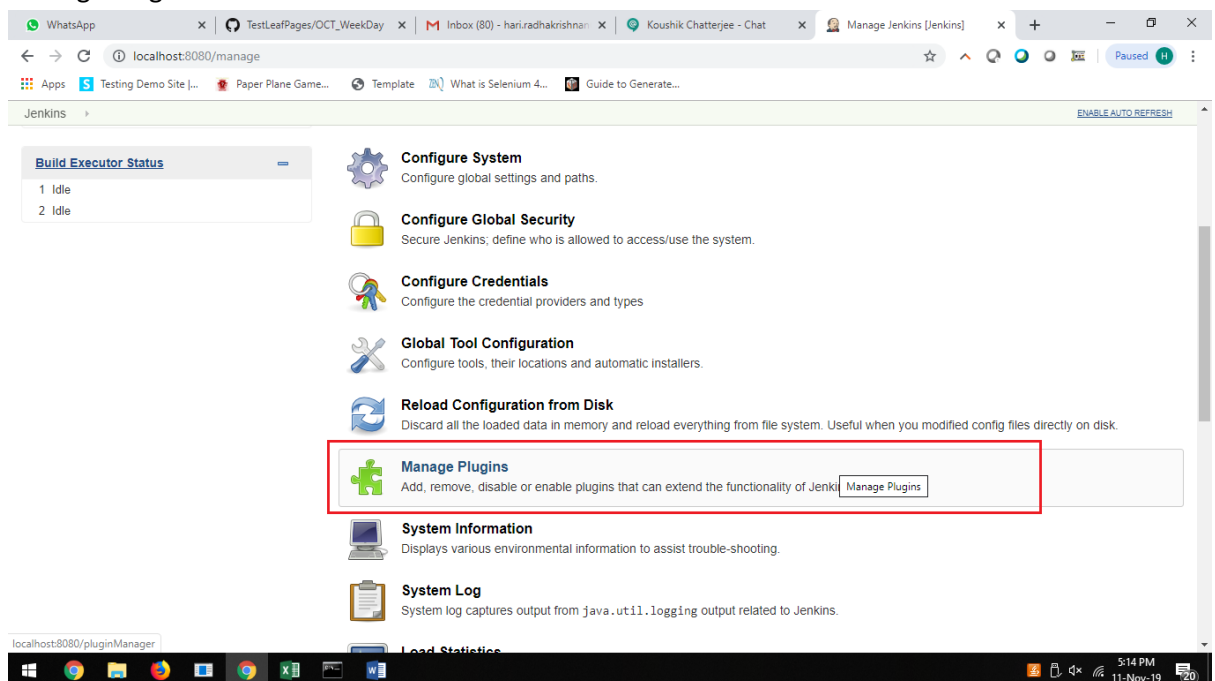
[Start using Jenkins](#)

13. Click on Manage Jenkins



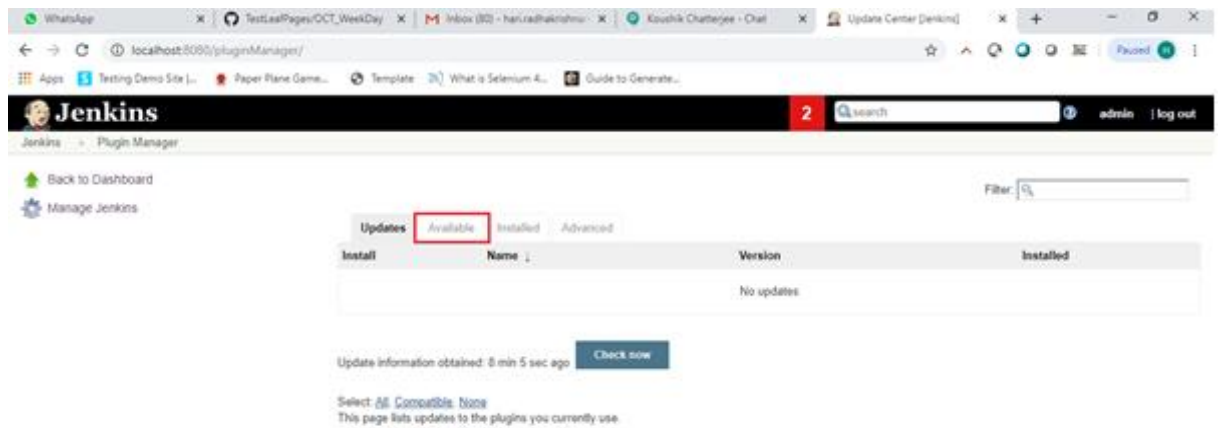
The screenshot shows the Jenkins Dashboard at localhost:8080. The left sidebar contains a list of links: New Item, People, Build History, **Manage Jenkins** (highlighted with a red box), My Views, Credentials, and New View. The main content area displays a 'Welcome to Jenkins!' message with a button to 'create new jobs'. Below this, there are sections for 'Build Queue' (showing 'No builds in the queue.') and 'Build Executor Status' (showing two 'Idle' executors).

14. Manage Plugins



The screenshot shows the 'Manage Jenkins' page at localhost:8080/manage. The left sidebar is the same as in the previous screenshot. The main content area lists several configuration options: Configure System, Configure Global Security, Configure Credentials, Global Tool Configuration, Reload Configuration from Disk, **Manage Plugins** (highlighted with a red box), System Information, and System Log. The 'Manage Plugins' option includes a description and a 'Manage Plugins' button. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 5:14 PM on 11-Nov-19.

15. Navigate to Available tab



The screenshot shows the Jenkins Plugin Manager interface. The 'Available' tab is selected, and the 'Updates' tab is also visible. The table below shows the available updates:

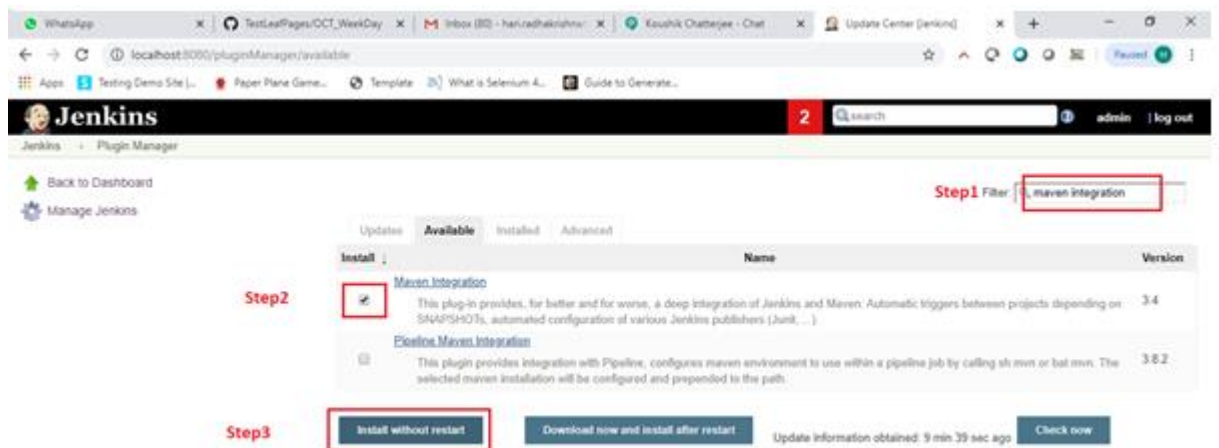
Install	Name	Version	Installed
No updates			

Update information obtained: 8 min 5 sec ago [Check now](#)

Select: [All](#) [Compatible](#) [None](#)

This page lists updates to the plugins you currently use.

16. Search and Install Maven Integration



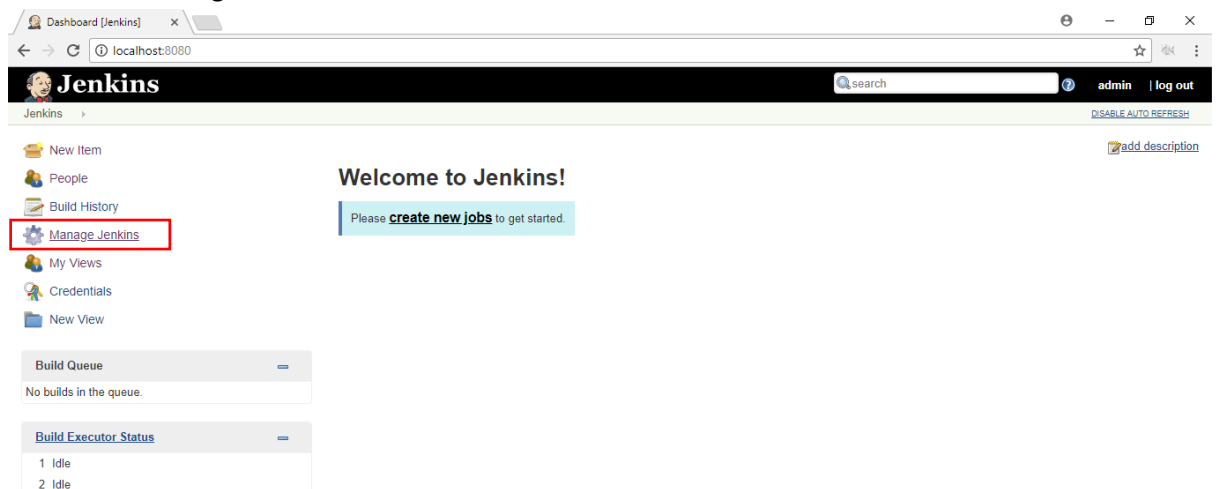
The screenshot shows the Jenkins Plugin Manager interface with the search filter set to 'maven integration'. The 'Available' tab is selected, and the 'Maven Integration' plugin is highlighted. The table below shows the available updates:

Install	Name	Version
<input checked="" type="checkbox"/>	Maven Integration	3.4
<input type="checkbox"/>	Pipeline Maven Integration	3.8.2

Update information obtained: 9 min 39 sec ago [Check now](#)

[Install without restart](#) [Download now and install after restart](#)

17. Go back to Manage Jenkins



The screenshot shows the Jenkins Dashboard. The 'Manage Jenkins' link is highlighted in the left sidebar. The main content area displays 'Welcome to Jenkins!' and a message to 'create new jobs' to get started.

[Manage Jenkins](#)

Welcome to Jenkins!

Please [create new jobs](#) to get started.

Build Queue

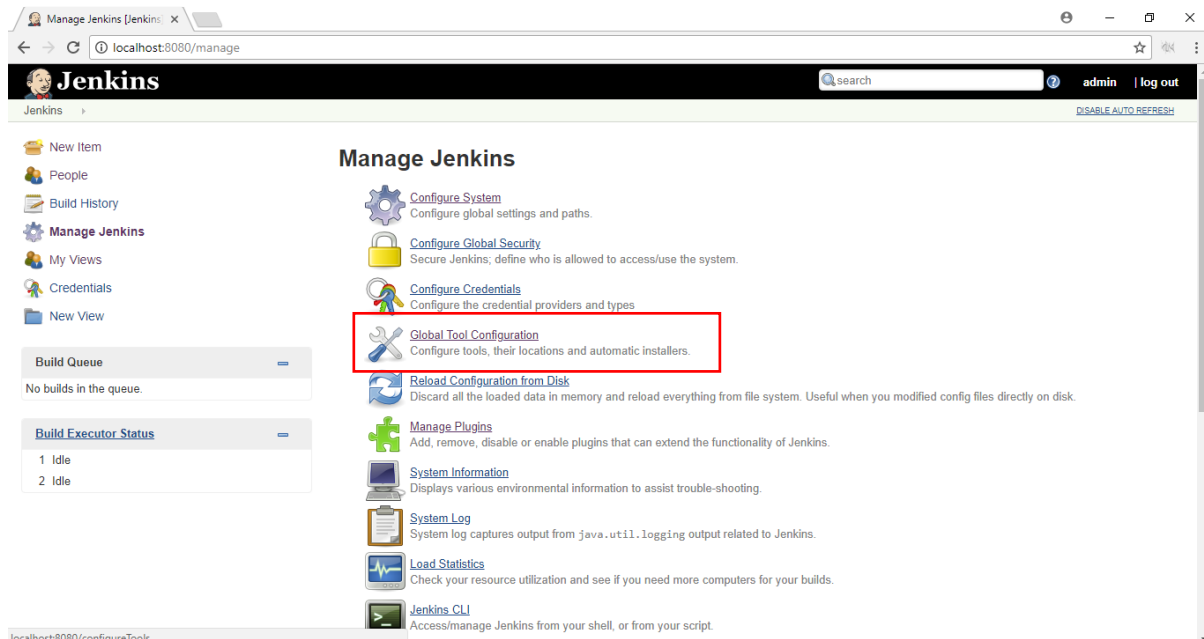
No builds in the queue.

Build Executor Status

1 Idle

2 Idle

18. Click Global Tool Configurations



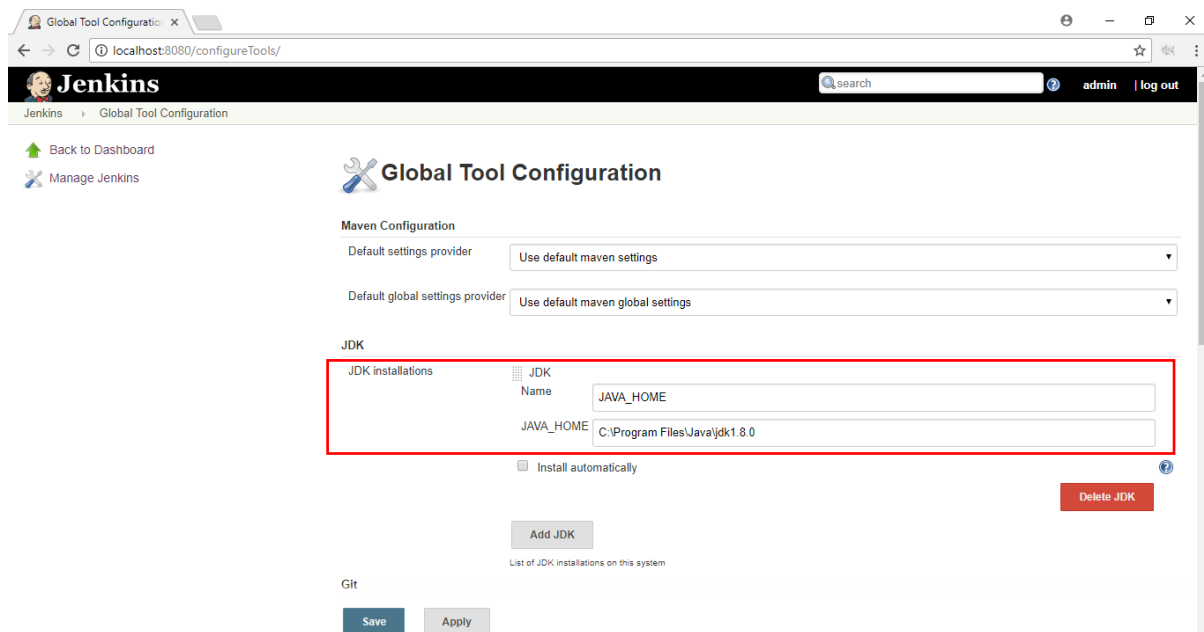
The screenshot shows the Jenkins 'Manage Jenkins' page. The left sidebar contains links like 'New Item', 'People', 'Build History', 'Manage Jenkins', 'My Views', 'Credentials', and 'New View'. The main content area is titled 'Manage Jenkins' and lists several configuration options: 'Configure System', 'Configure Global Security', 'Configure Credentials', 'Global Tool Configuration' (highlighted with a red box), 'Reload Configuration from Disk', 'Manage Plugins', 'System Information', 'System Log', 'Load Statistics', and 'Jenkins CLI'. The 'Global Tool Configuration' option is described as 'Configure tools, their locations and automatic installers.'

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 left sidebar has links for 'Back to Dashboard' and 'Manage Jenkins'. The main content area is titled 'Global Tool Configuration' and includes sections for 'Maven Configuration' and 'JDK'. Under 'JDK', there is 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. At the bottom, there are 'Save' and 'Apply' buttons.

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. The 'Git' section is highlighted with a red box. It contains a table with one entry named 'Default' with the path 'C:\Program Files\Git\bin\git.exe'. The 'Install automatically' checkbox is unchecked. Below the table are buttons for 'Add Git', 'Delete Git', 'Add Gradle', 'Add Ant', and 'Add Maven'. At the bottom are 'Save' and 'Apply' buttons.

25. Click Apply

26. Click Save

27. 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

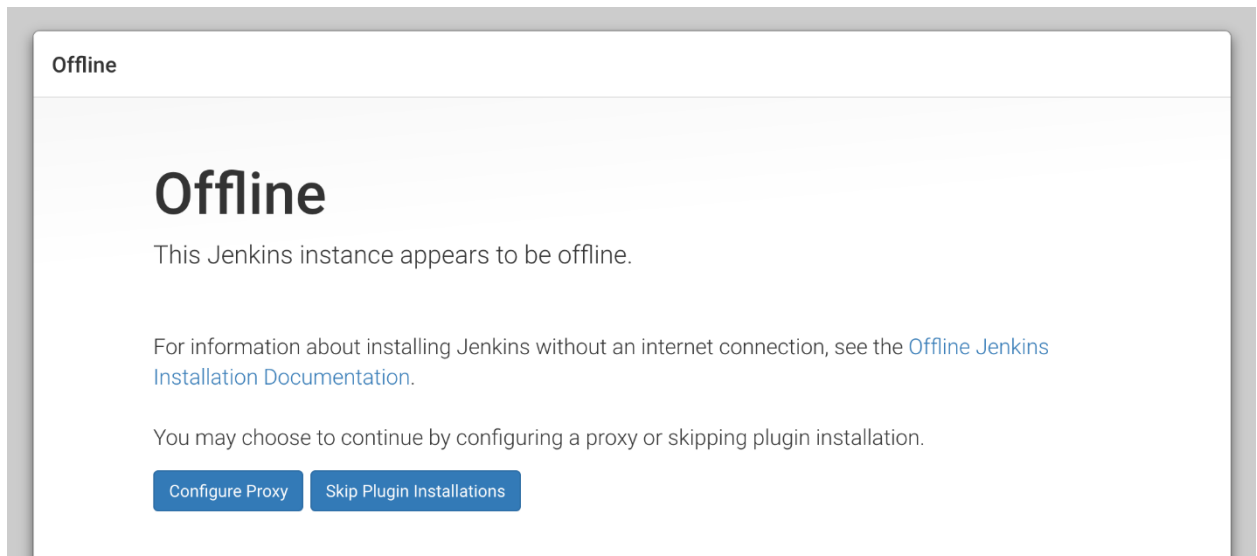
That's all.

Congratulations

Installation completed.

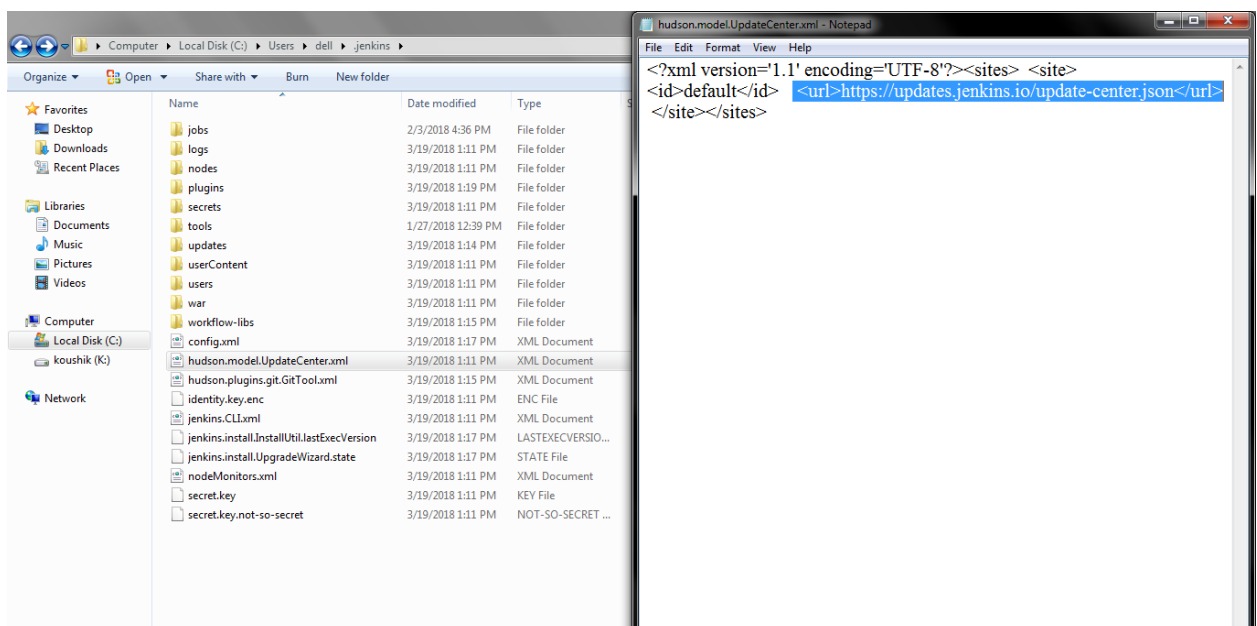
Thank you!

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