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Module 3: Build Jobs and Jenkins Security

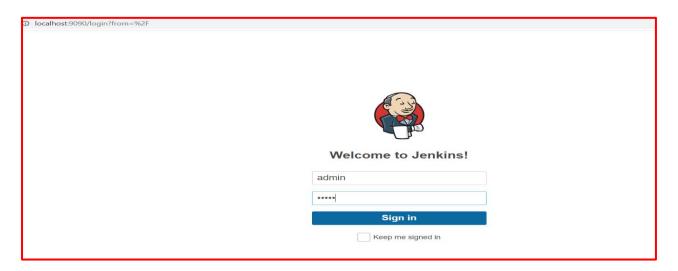
Demo Document -2



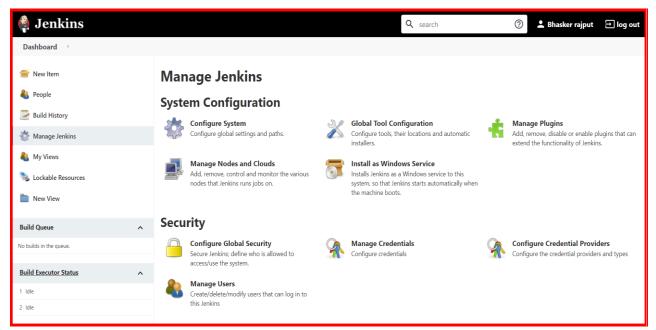
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Demo: Jenkins Pipeline example using Java and Maven.

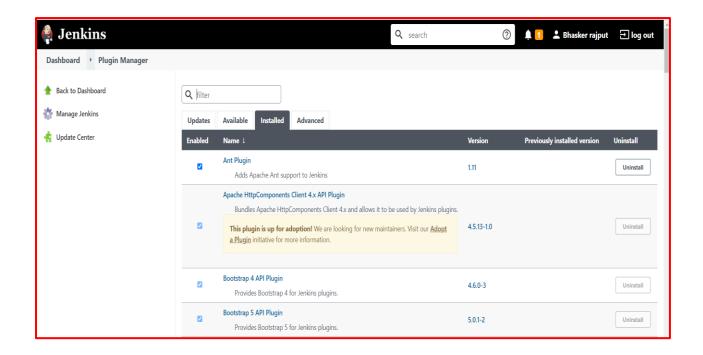
Login to your Jenkins console using your 'USER ID' and 'Password'.



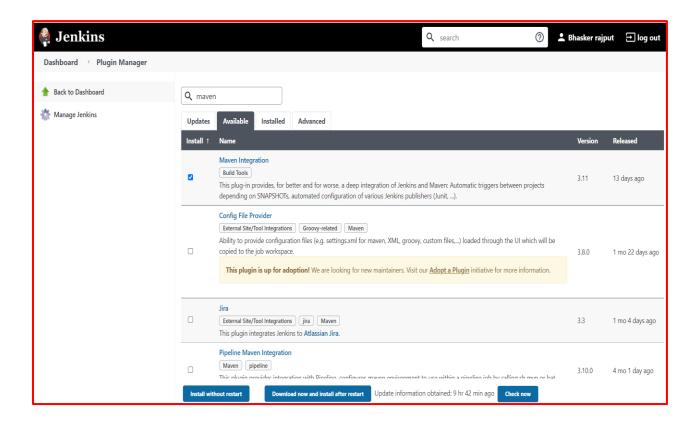
2. Now on your Jenkins Dashboard select 'Manage Jenkins' from the left side menu. You are now landed on 'Manage Jenkins' homepage as shown in below screenshot. Now click on 'Manage Plugins' option.



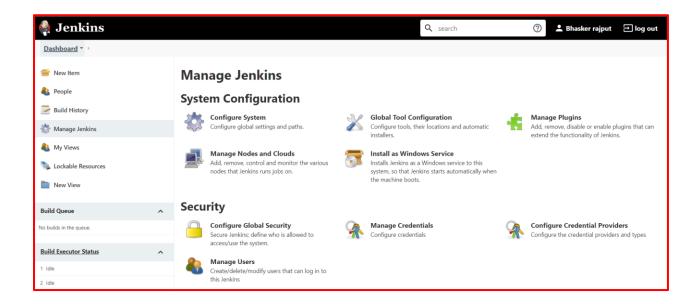
3. Now navigate to 'Installed' option and search for 'Maven Integration' plugin.



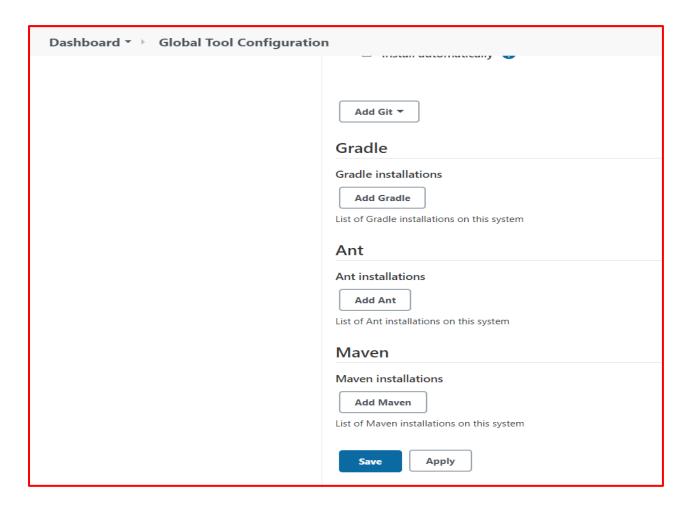
4. You can verify the **'Maven Integration'** plugin as per the below screenshot. Now select the 'Maven Integration' plugin and click on **'Install without restart'**.



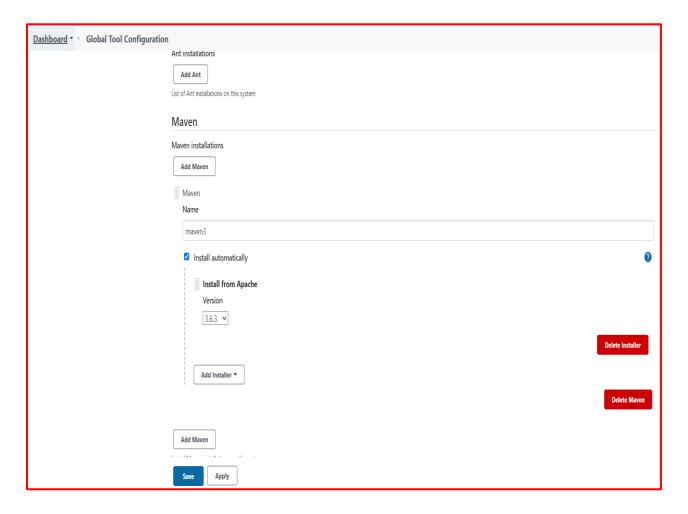
5. Once 'Maven Integration' plugins is installed successfully then navigate back 'Manage Jenkins' console of Jenkins Dashboard and click on 'Global Tool Configuration'.



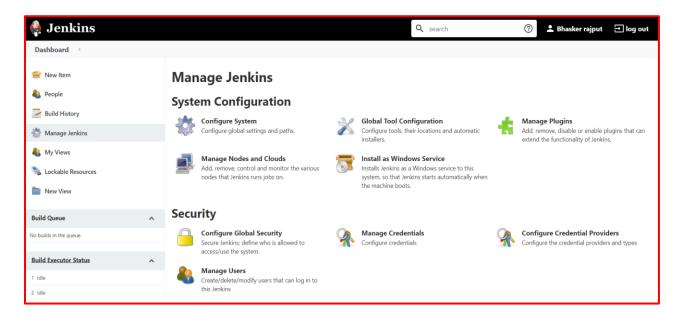
6. Scroll down and click on 'Add Maven' under Maven.



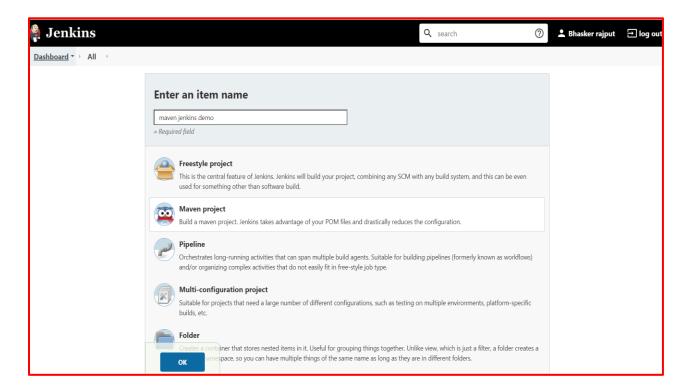
7. Provide 'maven3' under name section and select maven version '3.63'. Now click on SAVE button. Now maven version3.63 will be installed on Jenkins server.



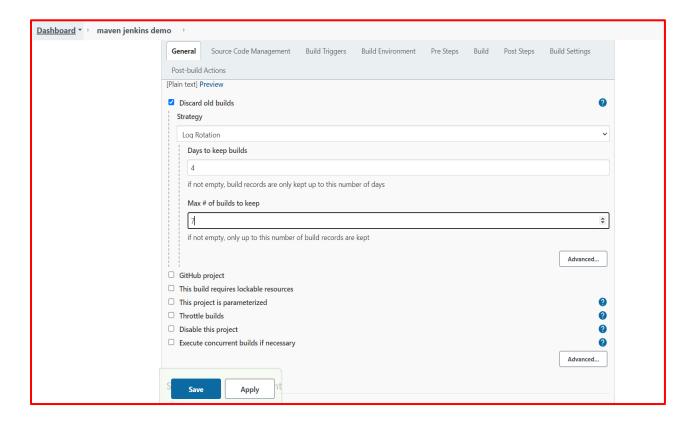
8. Now click on 'New Item' to create Jenkins job.



9. Now provide the Jenkins job name under the 'item name' and select 'Maven project'. Once done click on OK button.

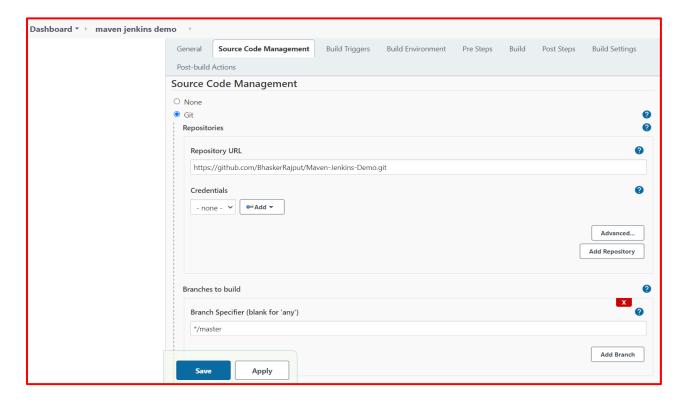


10. Under 'General' tab select '**Discard old build'** option and enter the values as mentioned in the below screenshot.



11. Under **'Source Code Management'** select **'GIT'** radio button and add below mentioned 'Repository URL' which contains Java Maven build demo project.

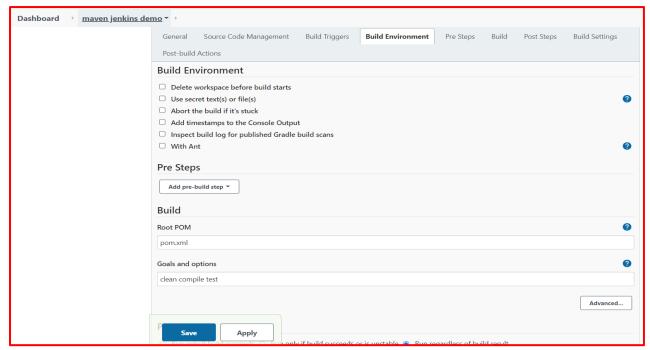
GITHUB URL - https://github.com/BhaskerRajput/Maven-Jenkins-Demo.git



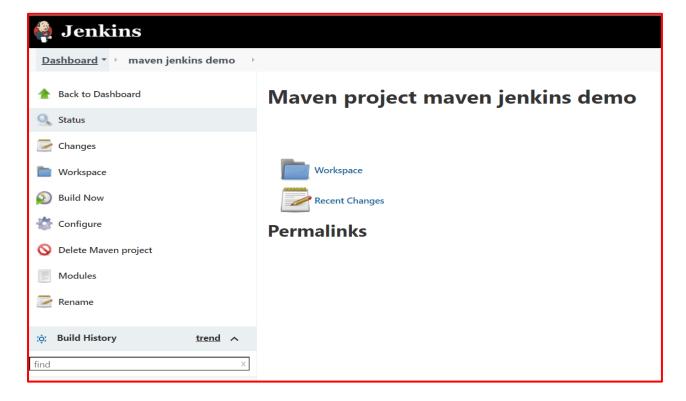
Note - If unable to clone from the master, set the branch name to main

12. Now navigate to **'Build Environment'** section and under **'Goals and Options'** mention the Maven steps and click on APPLY and SAVE.

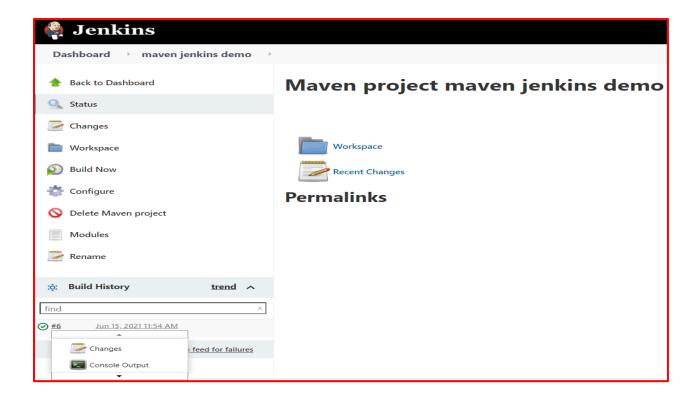
Maven Steps: clean compile test



13. Now from the left side menu click on **'Build Now'** to build the Jenkins pipeline. It will take few minutes to build the JAVA MAVEN project.



14. Now click on **'build number'** that is generated under Build History and further click on **'Console Output'** to check the logs.



15. You can read the logs step by step and once you will scroll down the console logs there you will find the **SUCCEESS** message. This means our JAVA MAVEN project complied and tested successfully.

