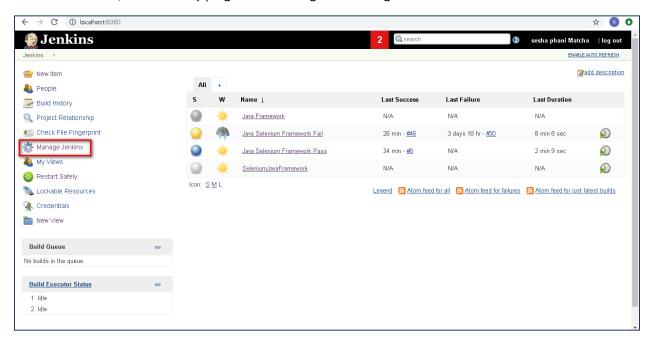
Jenkins Integration with MS Teams and Slack

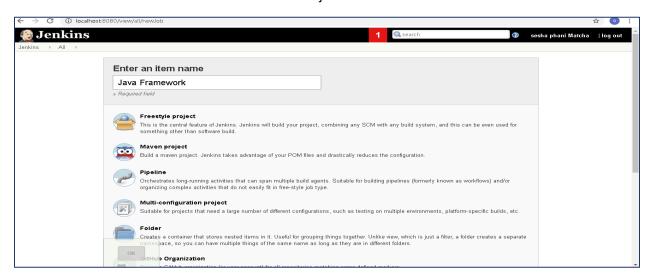
 Download and install Jenkins. Use the following URL to familiarize about the installation process (Only if you are doing this on your local machine. Otherwise, start from step 2, consider the Jenkins hosted over cloud):

https://www.blazemeter.com/blog/how-to-install-jenkins-on-windows

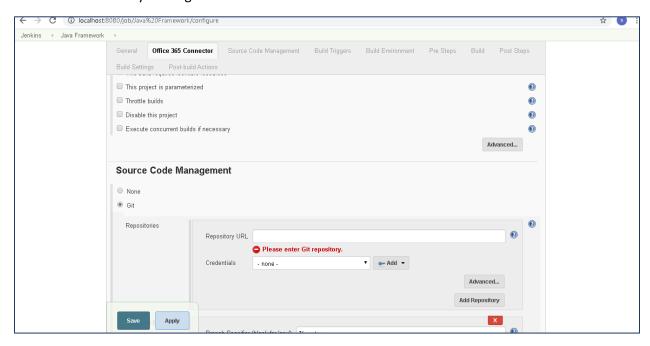
2. In Jenkins, to install any plugin we should go to "Manage Jenkins" tab available left side:



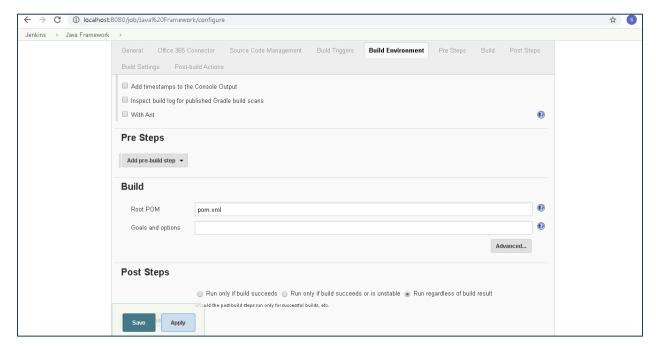
- 3. Click on Create New Job
- 4. Enter the Item Name and Select Maven Project and click on "OK"



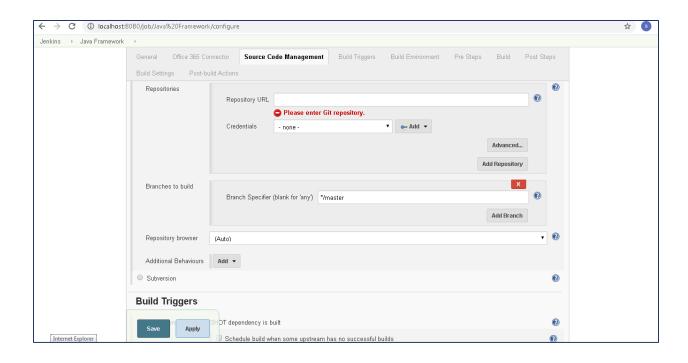
5. Select Git under Source Code Management and enter the Git Repository URL and add Git credentials by clicking on Add and select the added credentials



6. Add the path of "Pom.xml" file in RootPOM field and maven command("clean install") in Goals and options Field under Build Environment

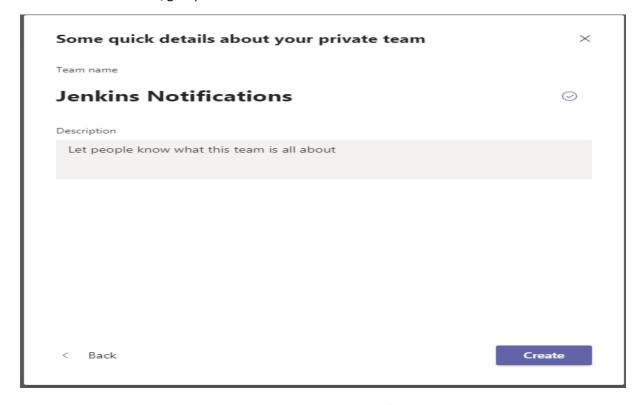


7. Enter the branch name in "Branches to build" field under Source Code Management



Integration of Jenkins with Teams:

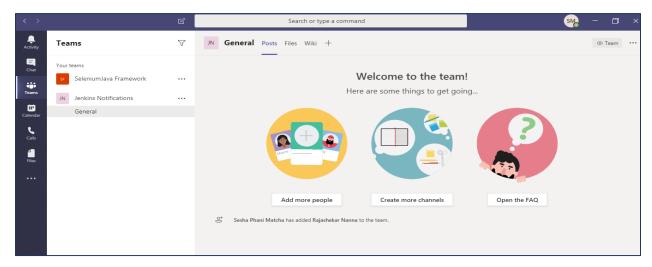
- 1. Create a new team/group in Microsoft Teams:
- 2. Name the team/group and click on Create:



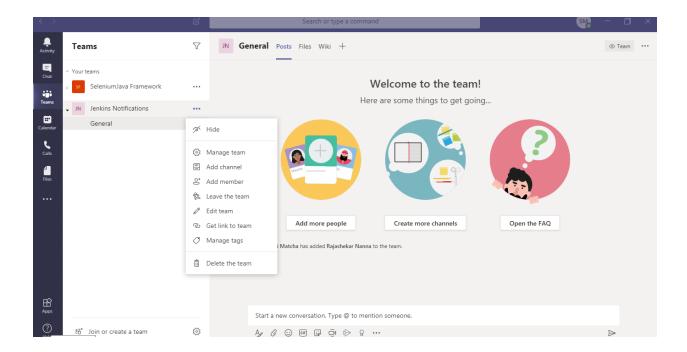
3. Add the members to this group to whom Jenkins Notifications should be sent:



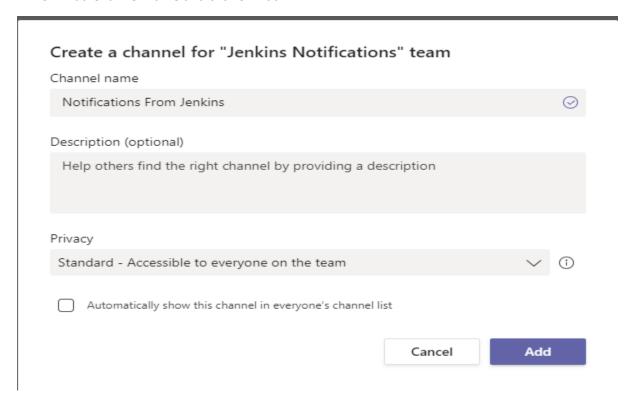
4. After creating Group with required members, we will see the below page:



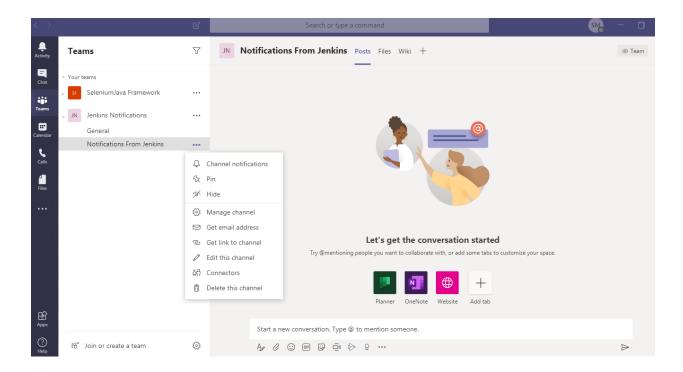
5. Select more options(...) beside the created group in teams and click on "Add Channel":



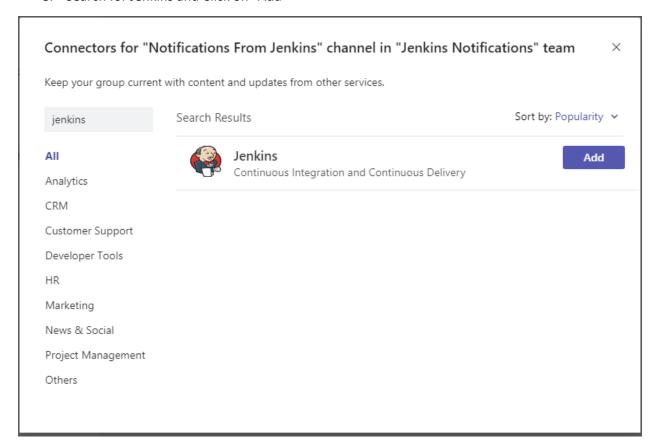
6. Add Channel Name and click on Add:



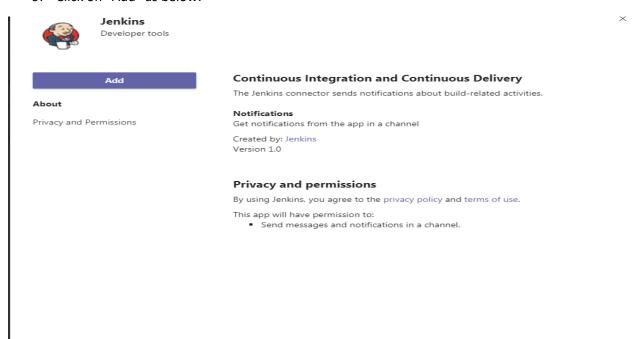
7. By Clicking on more options(...) beside the created channel, click on "Connectors"



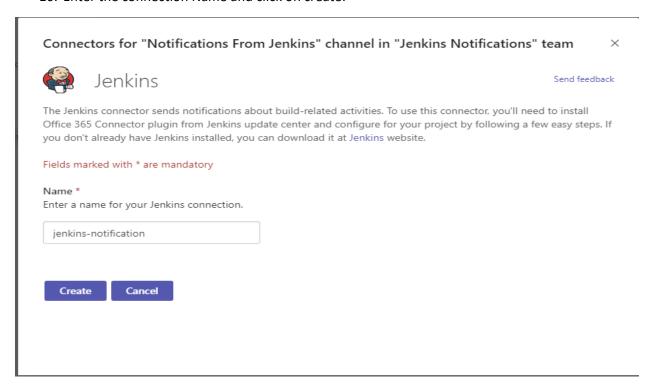
8. Search for Jenkins and Click on "Add"



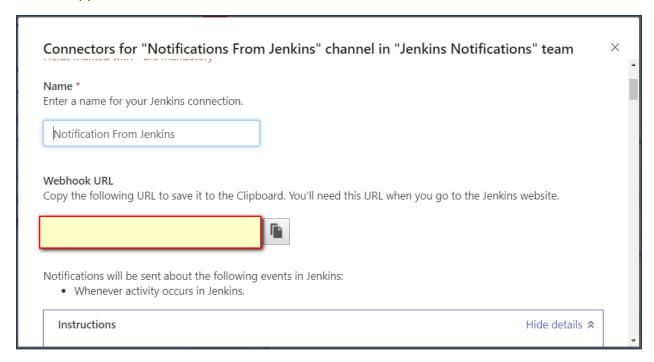
9. Click on "Add" as below:



10. Enter the connection Name and click on create:



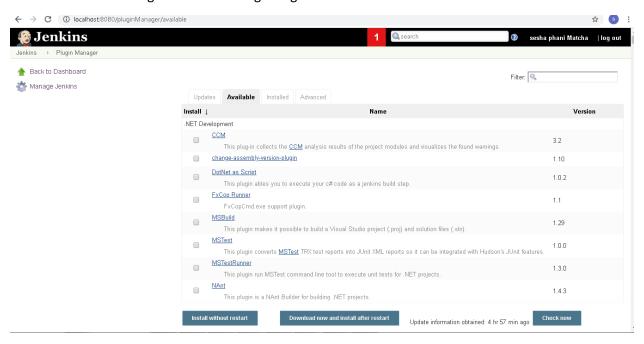
11. Copy the WebHook URL:



12. Scroll Down and Click on Done

Configurations to be done in Jenkins (settings for integrating MS Teams):

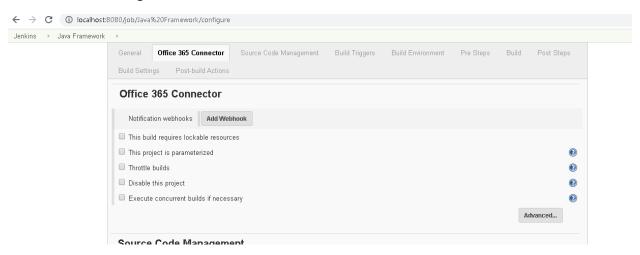
1. Jenkins->Manage Jenkins->Manage Plugins:



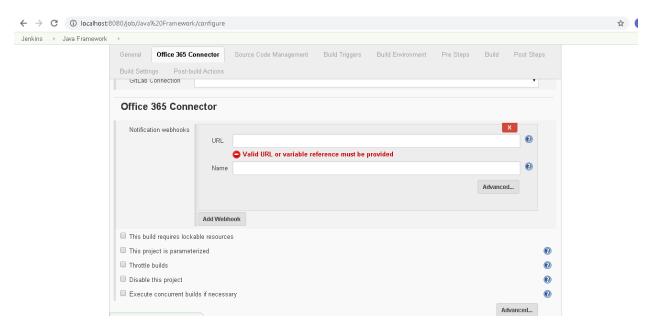
- 2. Go to Available tab -> Search for "Office 365 Connector" and select that and click on "Install without Restart"
- 3. After installation completed, go to the job created:



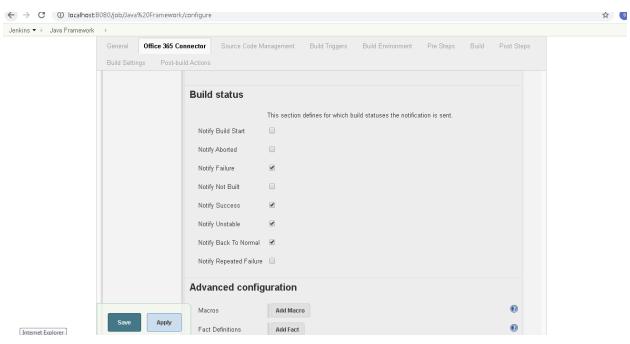
4. Click on Configure and select "Office 365 Connector" tab



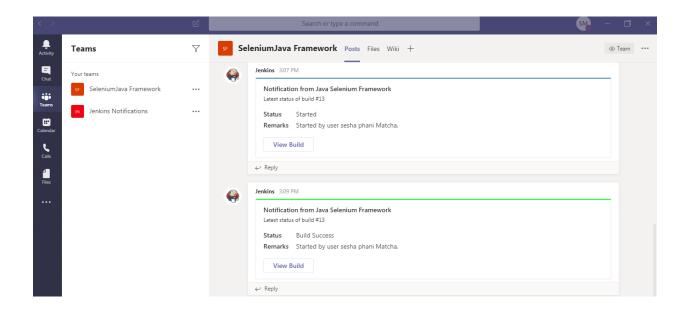
5. Click on "AddWebHook" and paste the copied webhook (Refer to Step 11 in "Integration of Jenkins with Teams") in "URL" field. Click on "Advanced" button



6. Select the required Notifications and click on "Apply" and "Save":

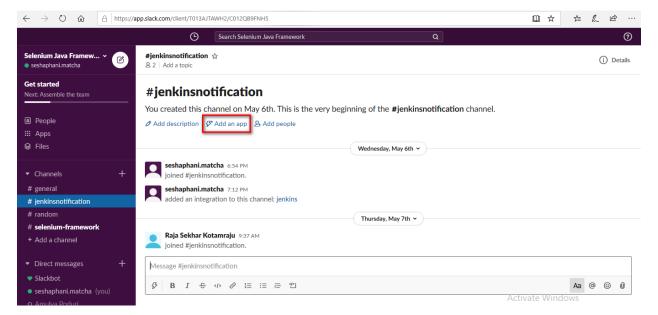


- 7. Trigger the Build now.
- 8. We will get Notifications in Teams as below:

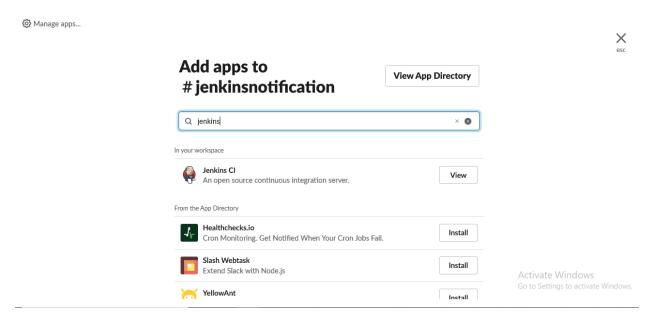


Jenkins Integration with Slack:

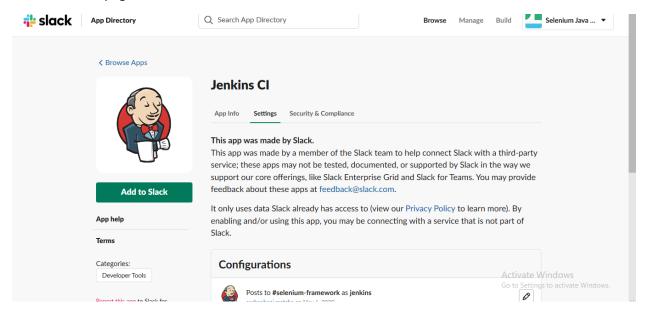
- 1. Create a workspace in Slack
- 2. Create a channel in slack workspace with required members to send Jenkins Notifications
- 3. In that channel, click on "Add an App":



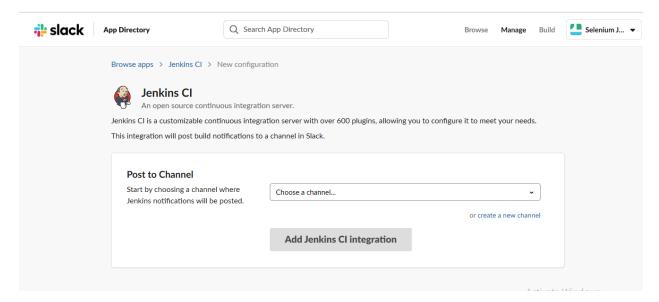
4. Search with "Jenkins" and click on "Install"



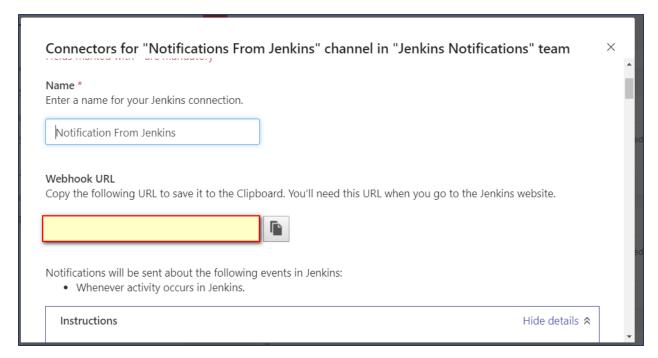
5. In next page Click on "Add To Slack" button



6. Select the Channel to which Jenkins should be integrated and click on "Add Jenkins CI integration" button:

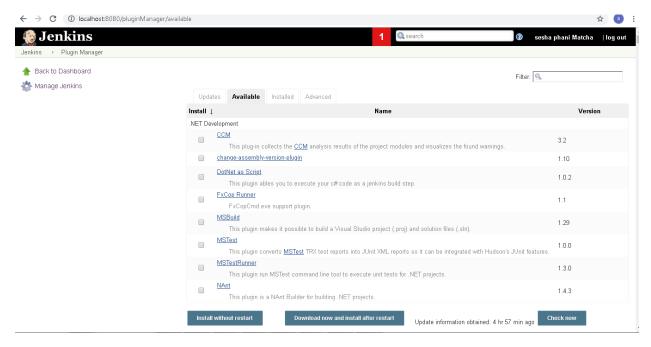


7. Scroll down and copy the Token under Integration Settings and click on "Save Settings" button at the end of page:



Jenkins Configuration to Integrate with Slack:

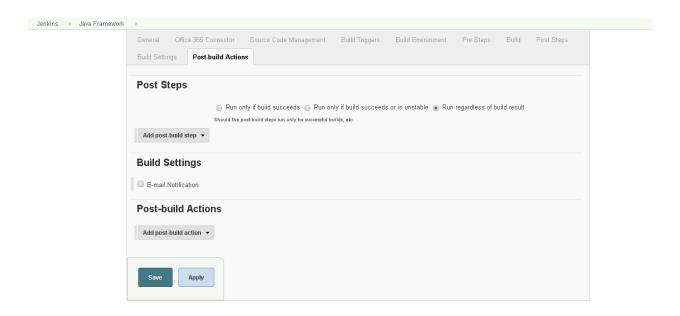
1. Jenkins->Manage Jenkins->Manage Plugins:



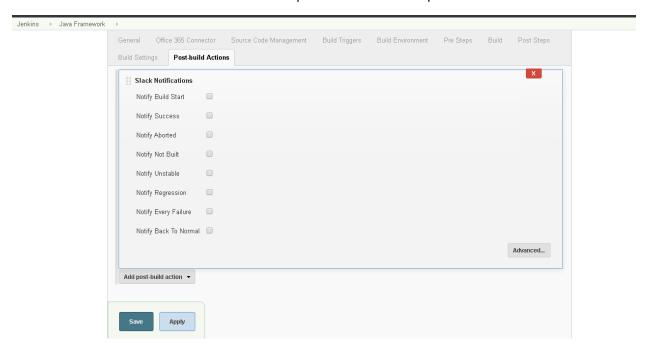
- 2. Go to Available tab -> Search for "Slack Notification" and select that and click on "Install without Restart"
- 3. After installation completed, go to the job created:



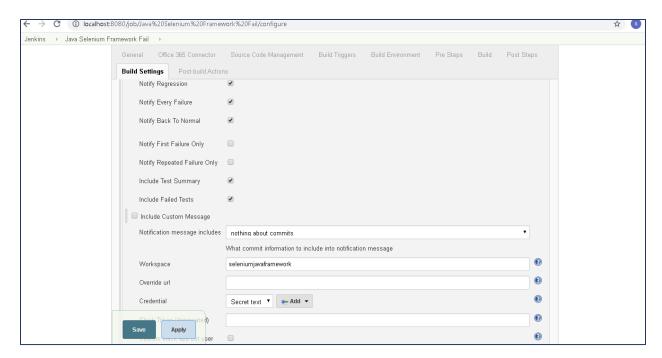
4. Click on Configure and Select the "Post-Build Actions":



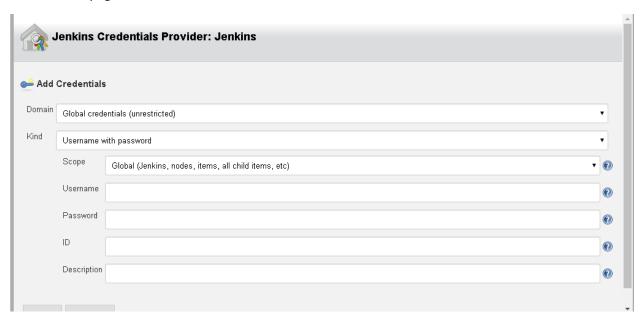
5. Select "Slack Notifications" under "Add post-build action" dropdown



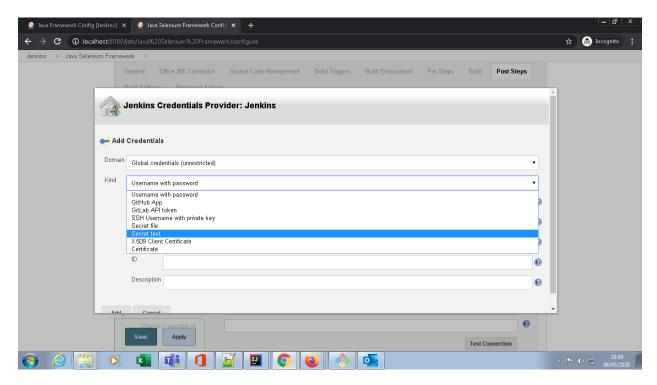
- 6. Select required Notifications checkboxes and click on Advanced and fill the Slack workspace name in "Workspace" field and click on "Add" dropdown and select "Jenkins":
- 7. See that "Notification Message Includes" dropdown should contain "nothing about commits" option selected With this configuration "No Changes." Message will not appear in slack notification



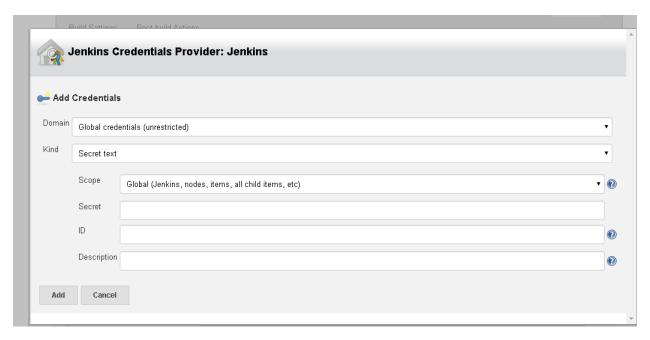
8. Next page is as below:



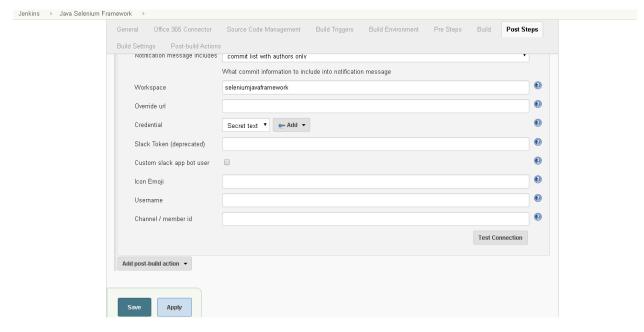
9. From "Kind" Dropdown, select "Secret text" option:



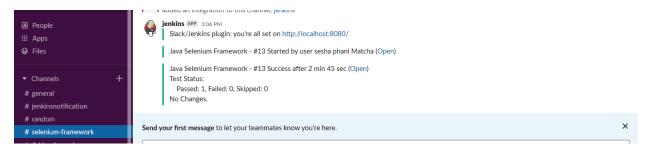
10. Paste the copied Token (Refer Step 7 in "Jenkins Integration with Slack") from Slack in "Secret" field and click on "OK":



11. Test the connection by clicking on "Test Connection" and click on "Apply" and "Save":

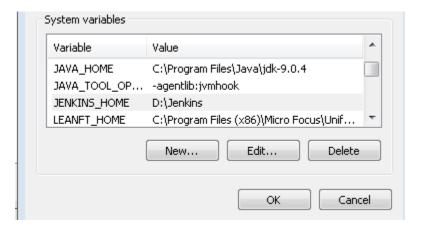


12. Trigger the build and we can see the build details in Slack:

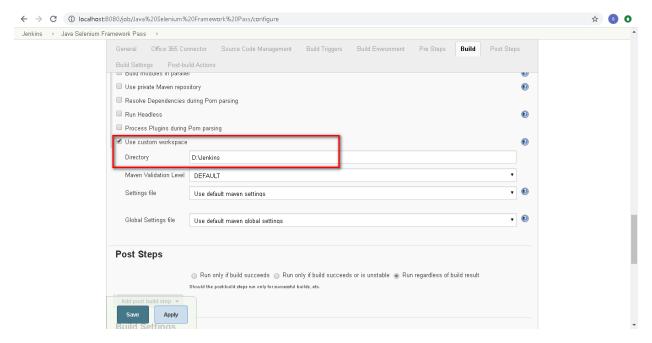


To modify the Jenkins Workspace from One folder to another (Only if you are doing this on your local machine):

- 1. Move the Jenkins folder from "C" to "D" folder.
- 2. Set the Environment Variable for Jenkins:



3. Go to Jenkins -> Select the Job -> Configure -> Click on Build Tab -> Select Advanced :



- 4. Check for "Use custom workspace" and fill the "Directory" field with the Jenkins path
- 5. Trigger the build and we can find the reports in the specified Jenkins Folder