**Integrate Jenkins with Github**

**Steps 1:** Download Jenkins.war file from : <https://www.jenkins.io/download/>

**Steps 2:** Download - Generic java package (.war)

**Steps3:** On Command line:

**Steps4:** Go to folder where Jenkins is installed

**Steps5:** Run : Java -jar jenkins.war -httpPort=8080 (Try 9090 if port 8080 is already in use)

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**Steps6:** Open on browser: <http://localhost:8080/> (Try 9090 if port 8080 is already in use)

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**Steps7:** Go to C:\ProgramData\Jenkins\.jenkins\secrets and open initialAdminPassword file

**Steps8:** Copy the key from initialAdminPassword file and paste it on browser.

**Step9:** Now choose “Install Suggested Plugins”.

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**Step10:** After plugin installation we have to create new admin account. Type in your admin username and password, email,etc, and Click on “Save and Finish”.

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**Step11:** Configuration completed and Jenkins is ready and you can start working with it after “click start using Jenkins” button.

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**Step12:** Now you will be redirected to Jenkins dashboard and show the default Jenkins screen. Jenkins installation and Configuration finished successfully.

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**Step13:** Now click on Manage Jenkins and In system configurations click on Manage Plugins

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**Step14:** Click on Available and search Required Plugins.

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**Step15:** Click on “Download now and install after restart”.

**Step16:** Now go to Dashboard and click on “New Item”.

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**Step17:** Now enter some name then select maven project an d click on ok button.

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**Step18:** Enter basic description of the project.

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**Step19:** In source code Management select git and give url of repository

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**Step20:** Enter the branch name.

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**Step21:** Nowselect build whenever a SNAPSHOT dependency is built from Build Triggers

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**Step22:** In Root Pom give pom.xml path from github

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**Step23:** In Post Build Actions select TestNG XML report pattern and click on apply and save .

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**Step24:** Select project and click on Build Now.

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**Step25:** Click on Test Result andsee the result of test cases.

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