**Integrating Jenkins with Github**

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

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

**Step 3:** On Command line:

1. Go to folder where Jenkins is installed
2. Run : Java -jar jenkins.war -httpPort=8080 (Try 9090 if port 8080 is already in use)

A screenshot of a computer

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**Step 4:** Open on browser: <http://localhost:8080/> (Try 9090 if port 8080 is already in use)

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**Step 5:** Go to C:\ProgramData\Jenkins\.jenkins\secrets and open initialAdminPassword file

**Step 6:** Copy the key from initialAdminPassword file and paste it on browser.

**Step 7:** Now choose “Install Suggested Plugins”.

Graphical user interface

Description automatically generated with low confidence

**Step 8:** 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”.

Graphical user interface, table

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**Step 9:** Configuration completed and Jenkins is ready and you can start working with it after “click start using Jenkins” button.

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**Step 10:** Now you will be redirected to Jenkins dashboard and show the default Jenkins screen. Jenkins installation and Configuration finished successfully.

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**Step 11:** Now click on Manage Jenkins and In system configurations click on Manage Plugins

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**Step 12:** Click on Available and search Required Plugins.

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**Step 13:** Click on “Download now and install after restart”.

**Step 14:** Now go to Dashboard and click on “New Item”.Graphical user interface, text, application

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**Step 15:** Now enter some name then select maven project an d click on ok button.

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**Step 16:** Enter basic description of the project.**A screenshot of a computer

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**Step 17:** In source code Management select git and give url of repository

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**Step 18:** Enter the branch name.

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**Step 19:** Nowselect build whenever a SNAPSHOT dependency is built from Build Triggers

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**Step 20:** In Root Pom give pom.xml path from github

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**Step 21:**In Post Build Actions select TestNG XML report pattern and click on apply and save .

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**Step 22:** Select project and click on Build Now.

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Graphical user interface, application

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**Step 23:** Click on Test Result andsee the result of test cases.

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