

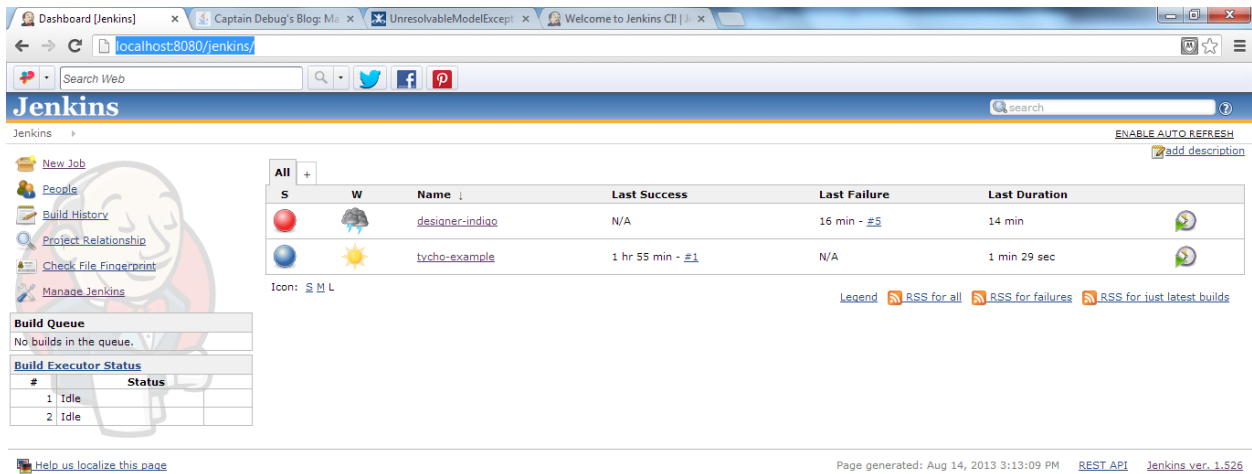
13 Steps to Building Plugin from Jenkins

Having learnt how to build a HelloWorld Plugin using Maven Tycho from Eclipse, the next step is to learn to Automate the Build thru Continuous Build Integration System Jenkins.

Step 1. Install Jenkins. It is a war file. Download the same from <http://jenkins-ci.org/>

Step 2. Deploy the same in tomcat or any Java Container App Server that you have installed by copying into the relevant folder. For tomcat you need to copy it into the webapps folder.

Step 3. Start your Server and on your browser connect to <http://localhost:8080/jenkins>



The screenshot shows the Jenkins web interface in a browser. The main content area displays a table of jobs with columns for status, name, last success, last failure, and last duration. There are two jobs listed: 'designer-indigo' and 'tycho-example'. The 'tycho-example' job has a last success of '1 hr 55 min - #1' and a last duration of '1 min 29 sec'. The left sidebar contains navigation links like 'New Job', 'People', 'Build History', and 'Manage Jenkins'. The bottom of the page shows the page generation date and version information.

S	W	Name ↓	Last Success	Last Failure	Last Duration
		designer-indigo	N/A	16 min - #5	14 min
		tycho-example	1 hr 55 min - #1	N/A	1 min 29 sec

It should open a browser content as shown above.

Step 4. Click on Manage Jenkins in the left hand side menu.

Step 5. Click on Configure System > Maven > Add Maven Installer and Select Required Version.

Step 6. Click on Jenkins on top left corner > Create a New Job

Step 7. Provide Job Name

Job name

Build a free-style software project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Build a maven2/3 project
Build a maven 2/3 project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

Build multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Monitor an external job
This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system. See [the documentation for more details](#).

Copy existing Job
Copy from

OK

Page generated: Aug 14, 2013 3:20:04 PM [REST API](#) [Jenkins ver. 1.526](#)

Step 8. Select Build a Maven2/3 Project and Finish

Step 9. Project Configuration Page would open. Scroll down to find Pre Step section

Pre Steps

Add pre-build step

Build

Root POM

Goals and options

Advanced...

Step 10. Configure the parent pom.xml location and commands that you want to run thru mvn.

Step 11. Save and Apply the Changes. Click on Build Now.

Step 12. Click on the Build Link > Console Output to visualise the Build in Progress.

Step 13. Build should be Successful > Target folder of the Project would contain your plugin.jar.