

Jenkins

Jenkins – Maven Integration

Lesson Objectives

➤ In this lesson, you will learn about:

- How to integrate Maven with Jenkin
- How to create Maven Build Job
- How to execute Maven goals in Jenkin



Steps to Use Maven in Jenkins

➤ Step 0. Prerequisites

- Install Maven on your Machine. When you type MVN command in console window it should recognize the command.

➤ Step 1. Install Jenkins plugin

- All Jenkins releases have the Maven plugin included. When you select initially option to install recommended plugins.

➤ Step 2. Configure Maven in Jenkins

- Go to the system configuration screen (Manage Jenkins-> Configure System). In the “Maven Installations” section, 1) click the Add button, 2) give it a name such as “Maven 3.0.3” and then 3) choose the version from the drop down. Now, Jenkins will automatically install this version any time it's needed (on any new build machines, for example) by downloading it from Apache and unzipping it.

Steps to Use Maven in Jenkins

- Step 3. Create a Maven Project using Eclipse and push it to Git repository
- Step 4. Create Maven Job in Jenkin
 - Next, create a new Maven job by 1) clicking “New Job” on the left hand menu, 2) give it a name, and 3) choose the “Build a Maven 2/3 project”.



Steps to Use Maven in Jenkins

➤ Step 5. Maven Job Configuration

- You will then be presented with the job configuration screen. On this page, you need to provide 1) the SCM and 2) the Maven goals to call. That's it!
- Choose the SCM you want to use (use Git), and then specify what Maven targets to call. Call the “clean test” goals so that it will run clean goal and then test goal.

➤ Step 6.

- Now, just click build now, and click on the progress bar in the left hand “Build Executor Status” to watch Jenkins install Maven, checkout your project, and build it using Maven.
- The build output should show the result of test goal execution result.

Summary

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- How to integrate Maven with Jenkin
- How to create Maven Build Job
- How Execute Maven goals in Jenkin

