How to include custom library into maven local repository?

There are 2 cases that you need to issue Maven’s command to include a jar into the Maven local repository manually.

1. The jar you want to use doesn’t exist in the Maven center repository.
2. You created a custom jar, and need to use for another Maven project.

**P.S Trust me, there are still many jars that doesn’t support Maven.**

Case study

For example, [kaptcha](http://code.google.com/p/kaptcha/" \t "_blank), a popular third party Java library, which is used to generate “captcha” image to stop spam, but it’s not available in the Maven center repository.

In this tutorial, we will show you how to install the “kaptcha” jar into your Maven’s local repository.

## 1. mvn install

Download the “[kaptcha](http://code.google.com/p/kaptcha/downloads/list" \t "_blank)“, extract it and copy the kaptcha-version.jar to somewhere else, for example, c drive. Issue following command :

mvn install:install-file -Dfile=c:\kaptcha-{version}.jar -DgroupId=com.google.code

-DartifactId=kaptcha -Dversion={version} -Dpackaging=jar

Demo.

D:\>mvn install:install-file -Dfile=c:\kaptcha-2.3.jar -DgroupId=com.google.code

-DartifactId=kaptcha -Dversion=2.3 -Dpackaging=jar

[INFO] Scanning for projects...

[INFO] Searching repository for plugin with prefix: 'install'.

[INFO] ------------------------------------------------------------------------

[INFO] Building Maven Default Project

[INFO] task-segment: [install:install-file] (aggregator-style)

[INFO] ------------------------------------------------------------------------

[INFO] [install:install-file]

[INFO] Installing c:\kaptcha-2.3.jar to

D:\maven\_repo\com\google\code\kaptcha\2.3\kaptcha-2.3.jar

[INFO] ------------------------------------------------------------------------

[INFO] BUILD SUCCESSFUL

[INFO] ------------------------------------------------------------------------

[INFO] Total time: < 1 second

[INFO] Finished at: Tue May 12 13:41:42 SGT 2009

[INFO] Final Memory: 3M/6M

[INFO] ------------------------------------------------------------------------

Now, the "**kaptcha**" jar is copied to your Maven local repository.

## 2. pom.xml

After installed, just declares the kaptcha coordinate in pom.xml.

<dependency>

<groupId>com.google.code</groupId>

<artifactId>kaptcha</artifactId>

<version>2.3</version>

</dependency>

## 3. Done

Build it, now the "**kaptcha**" jar is able to retrieve from your Maven local repository.

**Example screen shot for adding ojdbc14.jar to local repository:**

|  |
| --- |
| Microsoft Windows [Version 6.1.7601]  Copyright (c) 2009 Microsoft Corporation. All rights reserved.  C:\Users\adonthu>mvn install:install-file -Dfile=C:\ojdbc14.jar -DgroupId=com.oracle -DartifactId=ojdbc14 -Dversion=11.2.0 -Dpackaging=jar  [INFO] Scanning for projects...  [INFO]  [INFO] ------------------------------------------------------------------------  [INFO] Building Maven Stub Project (No POM) 1  [INFO] ------------------------------------------------------------------------  [INFO]  [INFO] --- maven-install-plugin:2.4:install-file (default-cli) @ standalone-pom ---  [INFO] Installing C:\ojdbc14.jar to C:\Users\adonthu\.m2\repository\com\oracle\ojdbc14\11.2.0\ojdbc14-11.2.0.jar  [INFO] Installing C:\Users\adonthu\AppData\Local\Temp\mvninstall75419238116689297.pom to C:\Users\adonthu\.m2\repository\com\oracle\ojdbc14\11.2.0\ojdbc14-11.2.0.pom  [INFO] ------------------------------------------------------------------------  [INFO] BUILD SUCCESS  [INFO] ------------------------------------------------------------------------  [INFO] Total time: 1.523 s  [INFO] Finished at: 2015-08-25T08:40:50+05:30  [INFO] Final Memory: 7M/245M  [INFO] ------------------------------------------------------------------------  C:\Users\adonthu> |