https://www.cnblogs.com/zhangxh20/p/6298062.html

**[Maven的几个常用plugin](https://www.cnblogs.com/zhangxh20/p/6298062.html)**

**maven-compiler-plugin**

编译Java源码，一般只需设置编译的jdk版本

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<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.6.0</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

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 或者在properties设置jdk版本

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

**maven-dependency-plugin**

用于复制依赖的jar包到指定的文件夹里

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<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-dependency-plugin</artifactId>

<version>2.10</version>

<executions>

<execution>

<id>copy-dependencies</id>

<phase>package</phase>

<goals>

<goal>copy-dependencies</goal>

</goals>

<configuration>

<outputDirectory>${project.build.directory}/lib</outputDirectory>

</configuration>

</execution>

</executions>

</plugin>

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**maven-jar-plugin**

打成jar时，设定manifest的参数，比如指定运行的Main class，还有依赖的jar包，加入classpath中

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<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-jar-plugin</artifactId>

<version>2.4</version>

<configuration>

<archive>

<manifest>

<addClasspath>true</addClasspath>

<classpathPrefix>/data/lib</classpathPrefix>

<mainClass>com.zhang.spring.App</mainClass>

</manifest>

</archive>

</configuration>

</plugin>

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**maven-antrun-plugin**

在maven中运行Ant任务，比如在打包阶段，对文件进行复制

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<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-antrun-plugin</artifactId>

<version>1.7</version>

<executions>

<execution>

<phase>package</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<target name="copy">

<delete>

<fileset dir="target" includes="\*.properties"></fileset>

</delete>

<copy todir="target">

<fileset dir="files"></fileset>

</copy>

</target>

</configuration>

</execution>

</executions>

</plugin>

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**wagon-maven-plugin**

用于一键部署，把本地打包的jar文件，上传到远程服务器上，并执行服务器上的shell命令

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<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>wagon-maven-plugin</artifactId>

<version>1.0</version>

<configuration>

<serverId>crawler</serverId>

<fromDir>target</fromDir>

<includes>\*.jar,\*.properties,\*.sh</includes>

<url>sftp://59.110.162.178/home/zhangxianhe</url>

<commands>

<command>chmod 755 /home/zhangxianhe/update.sh</command>

<command>/home/zhangxianhe/update.sh</command>

</commands>

<displayCommandOutputs>true</displayCommandOutputs>

</configuration>

</plugin>

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**tomcat7-maven-plugin**

用于远程部署Java Web项目

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<plugin>

<groupId>org.apache.tomcat.maven</groupId>

<artifactId>tomcat7-maven-plugin</artifactId>

<version>2.2</version>

<configuration>

<url>http://59.110.162.178:8080/manager/text</url>

<username>linjinbin</username>

<password>linjinbin</password>

</configuration>

</plugin>

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**maven-shade-plugin**

用于把多个jar包，打成1个jar包

一般Java项目都会依赖其他第三方jar包，最终打包时，希望把其他jar包包含在一个jar包里

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<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-shade-plugin</artifactId>

<version>2.4.3</version>

<executions>

<execution>

<phase>package</phase>

<goals>

<goal>shade</goal>

</goals>

<configuration>

<transformers>

<transformer

implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer">

<manifestEntries>

<Main-Class>com.meiyou.topword.App</Main-Class>

<X-Compile-Source-JDK>${maven.compile.source}</X-Compile-Source-JDK>

<X-Compile-Target-JDK>${maven.compile.target}</X-Compile-Target-JDK>

</manifestEntries>

</transformer>

</transformers>

</configuration>

</execution>

</executions>

</plugin>

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