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## How to deploy WAR with Maven to Tomcat?

I use the Maven with Eclipse. Is possible build the project and then deploy built WAR file to Tomcat server?

I use Windows. I can build `WAR` file, and also deploy it on the server manually. But I want to deploy the `WAR` file automatically after build action and it doesn't work. I am novice in Maven.

Should I set something in my run configuration? I have set goals to `install` value.

*pom.xml*

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-
4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>HelloWorld</groupId>
<artifactId>HelloWorld</artifactId>
<version>0.0.1-SNAPSHOT</version>
<packaging>war</packaging>
<name>HelloWorld</name>

<properties>
<spring.version>3.2.2.RELEASE</spring.version>
</properties>

<dependencies>

<!-- Java Server Pages Standard Tag Library -->
<dependency>
<groupId>jstl</groupId>
<artifactId>jstl</artifactId>
<version>1.2</version>
</dependency>
```

```
<!-- Spring 3 dependencies -->
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>
  <version>${spring.version}</version>
</dependency>

<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-beans</artifactId>
  <version>${spring.version}</version>
</dependency>

<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>${spring.version}</version>
</dependency>

<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-web</artifactId>
  <version>${spring.version}</version>
</dependency>

<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>${spring.version}</version>
</dependency>
</dependencies>

<build>
  <directory>${project.basedir}/target</directory>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>2.3.2</version>
      <configuration>
        <source>${java.version}</source>
        <target>${java.version}</target>
      </configuration>
    </plugin>
    <plugin>
```

```
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-dependency-plugin</artifactId>
<executions>
  <execution>
    <id>install</id>
    <phase>install</phase>
    <goals>
      <goal>sources</goal>
    </goals>
  </execution>
</executions>
</plugin>
<!-- Maven Tomcat Plugin -->
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>tomcat-maven-plugin</artifactId>
  <configuration>
    <server>Apache_Tomcat_7_x86</server>
    <warFile>${project.build.directory}/HelloWorld-0.0.1-
SNAPSHOT.war</warFile>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-war-plugin</artifactId>
  <version>2.3</version>
  <configuration>
    <packagingExcludes>WEB-INF/web.xml</packagingExcludes>
  </configuration>
</plugin>
</plugins>
</build>
```

Furthermore I changed `settings.xml` file in path `~/m2/settings.xml` .

*settings.xml*

```
<servers>
  <server>
    <id>Apache_Tomcat_7_x86</id>
    <username>admin</username>
    <password>admin</password>
  </server>
</servers>
```

maven

tomcat

asked Apr 5 '13 at 0:39



misco

709 ● 1 ● 13 ● 34

## 1 Answer

Meanwhile I resolved it. There were a few issues.

Firstly I set **Goal** in the Eclipse **run configuration** to `tomcat:deploy`.

And I changed `pom.xml` following

```
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>tomcat-maven-plugin</artifactId>
  <configuration>
    <url>http://localhost:8080/manager/text</url>
    <server>Apache_Tomcat_7_x86</server>
    <path>/HelloWorld</path>
  </configuration>
</plugin>
```

URL in configuration depends on Tomcat version. For me works `text`, for others works `html` on end of URL. And of course, in `tomcat-users.xml` must be set role `manager-script` or `manager-gui`.

Maybe it helps to others.

edited Aug 11 '13 at 1:39



Chechus

1,110 ● 9 ● 24

answered Apr 5 '13 at 2:17



misco

709 ● 1 ● 13 ● 34

more details [here](#) – [gkiko](#) Oct 6 '14 at 9:02

