

maven一键部署tomcat war包 - 一米阳光 - 博客园

1、环境如下

eclipse、apache-maven-3.0.5、apache-tomcat-7.0.39

2、配置如下

apache-tomcat-7.0.39配置C:\Program Files\apache-tomcat-7.0.39\conf\tomcat-users.xml，因为tomcat7默认情况下没有配置manager访问权限，所以这里需要在tomcat-users.xml加入用户以及权限



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```
<tomcat-users><role rolename="admin-gui"/><role rolename="admin-script"/><role rolename="manager-gui"/>
<role rolename="manager-script"/><role rolename="manager-jmx"/><role rolename="manager-status"/><user
username="admin" password="admin" roles="manager-gui,manager-script,manager-jmx,manager-status,admin-
script,admin-gui"/></tomcat-users>
```



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apache-maven-3.0.5配置C:\Program Files\apache-maven-3.0.5\conf\settings.xml，为了让maven可以访问tomcat的权限，所以需要把如上创建的用户添加到settings.xml中，如下



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```
<servers><server><id>tomcatid<<username>adminusername<<password>adminpassword<</server></servers>
```



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工程目录下的pom.xml文件，加入build，并配置tomcat7的maven插件，如下配置



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```
<build><finalName>myAppfinalName<<plugins><plugin><groupId>org.apache.tomcat.maven<groupId>
<artifactId>tomcat7-maven-plugin<artifactId><version>2.2<version><configuration>
<url>http://localhost:8080/manager/text<url><server>tomcatserver<<username>adminusername>
<password>adminpassword<<path>/${project.build.finalName}<path><configuration><plugin></plugins></build>
```



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\${project.build.finalName}这个是根据xml的路径来标记的

3、命令部署

在部署之前，必须先启动tomcat7服务，C:\Program Files\apache-tomcat-7.0.39\bin\startup.bat

找到要部署的工程文件根目录下，执行如下maven命令

> mvn clean:install //clean是清理输出文件，install编译打包，在每次打包之前必须执行

clean，才能保证发布为最新文件

> mvn tomcat7:redeploy //第一次发布 tomcat7:deploy，再次发布 tomcat7:redeploy

4、问题

Cannot invoke Tomcat manager: Server returned HTTP response code: 403 for URL:
http://localhost:8080/manager/deploy?path=%2FmyApp&war=

```
管理员: C:\Windows\system32\cmd.exe
[INFO] <<< tomcat-maven-plugin:1.1:redeploy <default-cli> @ myApp <<<
[INFO]
[INFO] --- tomcat-maven-plugin:1.1:redeploy <default-cli> @ myApp ---
[INFO] Deploying war to http://localhost:8080/myApp
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 2.204s
[INFO] Finished at: Fri Jun 13 13:50:44 CST 2014
[INFO] Final Memory: 11M/210M
[INFO] -----
[ERROR] Failed to execute goal org.codehaus.mojo:tomcat-maven-plugin:1.1:redeploy <default-cli> on project myApp: Cannot invoke Tomcat manager: Server returned HTTP response code: 403 for URL: http://localhost:8080/manager/deploy?path=%2FmyApp&war=&update=true -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoExecutionException
D:\workspace\myApp>
```

如上问题，有如下两个原因：

A、由于maven没有权限访问http://localhost:8080/manager/text，所以需要在apache-tomcat下的tomcat-users.xml增加用户权限，并配置于maven的setting文件中

B、由于maven-tomcat插件问题，通过<http://search.maven.org/>搜索tomcat-maven-plugin，发现最新版本之后，最后执行> mvn tomcat:redeploy，一直都会显示上面这个报错，这里如果是tomcat7，建议直接通过<http://search.maven.org/>搜索tomcat7-maven-plugin插件，执行> mvn tomcat7:redeploy，这样就部署成功了；如果tomcat6就直接通过<http://search.maven.org/>搜索tomcat6-maven-plugin

所以这里需要注意tomcat7-maven-plugin插件的引入，正确引入将解决以上问题

```
<groupId>org.apache.tomcat.maven<groupId><artifactId>tomcat7-maven-plugin<artifactId>
<version>2.2<version>
```

```
> mvn tomcat7:redeploy
```

即可完成部署