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# Build CREAM with Maven

# Maven user setup

The user setting file for maven, usually located at `$HOME/.m2/settings.xml` must contain the following definitions:

```
<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.o

<profiles>
  <profile>
    <id>igi-profile</id>
    <activation><activeByDefault>true</activeByDefault></activation>
    <repositories>

      <repository>
        <id>nexus-3p</id>
        <name>Third party</name>
        <url>http://ci-01.cnaf.infn.it:8081/nexus/content/groups/public</url>
      </repository>

      <repository>
        <id>nexus-main</id>
        <name>gLite repository</name>
        <url>http://ci-01.cnaf.infn.it:8081/nexus/content/repositories/releases</url>
      </repository>

    </repositories>

    <properties>
      <cream.wsdl.url>http://italiangrid.github.io/cream-interface/WS/CREAM</cream.wsdl.url>
      <es.wsdl.url>http://italiangrid.github.io/cream-interface/WS/ES</es.wsdl.url>
    </properties>

  </profile>
</profiles>

<activeProfiles>
  <activeProfile>*****</activeProfile>
</activeProfiles>

</settings>
```

The supported active profiles are:

- **SL5\_x86\_64**
- **SL6\_x86\_64**

The external dependencies are selected according to chosen profile.

# RPM from maven

Binary and source RPMs can be created specifying the property **rpm.repackaging** in the command line:

```
mvn -Drpm.repackaging=true install
```

The artifacts are stored in the directory `target/rpmbuild`.

-- PaoloAndretto - 2013-03-22

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This topic: CREAM > MavenBuildCREAM

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