



Coping with Sun JARs

Often users are confronted with the need to build against JARs provide by Sun like the JavaMail (<http://java.sun.com/products/javamail/>) JAR, or the Activation (<http://java.sun.com/products/javabeans/jaf/downloads/index.html>) JAR and users have found these JARs not present in central repository resulting in a broken build. Unfortunately most of these artifacts fall under Sun's Binary License which disallows us from distributing them from Ibiblio.

Another problem is that Sun's appears not to have any sort of convention for naming their own JARs so we have taken steps in suggesting some common names for Sun's artifacts. You can find a list of our suggestions here:

Product artifact	Group ID	Artifact ID
Java Activation Framework	javax.activation	activation
J2EE	javax.j2ee	j2ee
Java Data Object (JDO)	javax.jdo	jdo
Java Message Service (JMS)	javax.jms	jms
JavaMail	javax.mail	mail
Java Persistence API (JPA) / EJB 3	javax.persistence	persistence-api
J2EE Connector Architecture	javax.resource	connector
J2EE Connector Architecture API	javax.resource	connector-api
Java Authentication and Authorization Service (JAAS)	javax.security	jaas
Java Authorization Contract for Containers	javax.security	jacc
Servlet API	javax.servlet	servlet-api
Servlet JavaServer Pages (JSP)	javax.servlet	jsp-api
Servlet JavaServer Pages Standard Tag Library (JSTL)	javax.servlet	jstl

JDBC 2.0 Optional Package	javax.sql	jdbc-stdext
Java Transaction API (JTA)	javax.transaction	jta
Java XML RPC	javax.xml	jaxrpc
Portlet	javax.portlet	portlet-api
Java Naming and Directory Interface (JNDI)	javax.naming	jndi

If you use our suggestions as noted above when adding a Sun dependency to your POM, Maven 2.x can help you locate the JARs by providing the site where they can be retrieved. It is important that you follow the suggested naming conventions as we cannot store the JARs at the central repository. We can only store metadata about those JARs and it is the metadata that contains location and retrieval information.

Once you have downloaded a particular Sun JAR to your system you can install the JAR in your local repository. Please refer to our [Guide to installing 3rd party JARs \(/guide-3rd-party-jars-local.html\)](#) for instructions on how to accomplish this.

Note: Java.net provides a [Maven 2 repository \(http://download.java.net/maven/2/\)](http://download.java.net/maven/2/). You could specify it directly in your POM or in your settings.xml between the tags <repositories>:

```
...
  <repositories>
    <repository>
      <id>maven2-repository.dev.java.net</id>
      <name>Java.net Repository for Maven</name>
      <url>http://download.java.net/maven/2/</url>
      <layout>default</layout>
    </repository>
  </repositories>
...
```