

Using CXF with maven

Maven POM Information

To use CXF within Maven, you'll need to declare the CXF dependencies in your POM. The CXF groupId is "org.apache.cxf". Here is a small example:

```
<properties>
  <cxf.version>2.2.3</cxf.version>
</properties>

<dependencies>
  <dependency>
    <groupId>org.apache.cxf</groupId>
    <artifactId>cxf-rt-frontend-jaxws</artifactId>
    <version>${cxf.version}</version>
  </dependency>
  <dependency>
    <groupId>org.apache.cxf</groupId>
    <artifactId>cxf-rt-transports-http</artifactId>
    <version>${cxf.version}</version>
  </dependency>
  <!-- Jetty is needed if you're are not using the CXFServlet -->
  <dependency>
    <groupId>org.apache.cxf</groupId>
    <artifactId>cxf-rt-transports-http-jetty</artifactId>
    <version>${cxf.version}</version>
  </dependency>
</dependencies>
```

For information on using Maven with CXF and Tomcat, this [blog entry](#) may be helpful.

Additional Dependencies

Depending on your usage of CXF, you may need to bring in additional dependencies--the mvn install process will usually make clear what you are missing. Here's a non-exhaustive list of additional CXF artifacts that may be needed:

```
<!-- Use dependency blocks for these CXF artifact Ids just as above -->
cxf-rt-core
cxf-rt-frontend-simple
cxf-rt-frontend-jaxws
cxf-rt-databinding-aegis
cxf-rt-transports-local
cxf-rt-transports-http
cxf-rt-transports-http-jetty
cxf-rt-transports-jms
cxf-rt-management
cxf-common-utilities
```

Maven Snapshot Repository

To work with the latest non-release versions of CXF (not recommended for production use), [updated nightly](#), change the CXF version to the -SNAPSHOT version desired and add the Apache snapshot repository to both the repositories and pluginRepositories sections:

```
<repositories>
  ...other repos...
  <repository>
    <id>apache-snapshots</id>
    <name>Apache SNAPSHOT Repository</name>
    <url>http://repository.apache.org/snapshots/</url>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </repository>
</repositories>

<pluginRepositories>
  ...other repos...
  <pluginRepository>
    ...same repo as above...
  </pluginRepository>
</pluginRepositories>
```

The addition to the plugin repositories section is needed because the cxf-codegen-plugin, used for the WSDL2Java, Java2WS, etc. tasks, is downloaded using that entry.