

Apache CXF 2.1 Release Notes

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OVERVIEW

Apache CXF 2.1 delivers the second major version of the Celtix project (<http://celtix.objectweb.org>) and the XFire project (<http://xfire.codehaus.org>) merge. This release is a major update from the 2.0.x series. The major new addition is JAX-WS 2.1 support. However, there are a lot of other improvements like CORBA support, javascript generation, preliminary JAX-RS 0.6 support, xmlbeans databinding runtime, etc...

INSTALLATION PREREQUISITES

Before installing Apache CXF, make sure the following products, with the specified versions, are installed on your system:

- Java 5 Development Kit
- Apache ant 1.6

Java 5 Development Kit

You must install the J2SE Development Kit (JDK) 5.0, which can be downloaded from:

<http://java.sun.com/j2se/1.5.0/download.jsp>

After installing the JDK, set or modify the following environment variables:

- JAVA_HOME – set this environment variable to point at the root directory of the JDK 5.0 installation.
- PATH – make sure that your PATH includes:
%JAVA_HOME%\bin (Windows)
\$JAVA_HOME/bin (UNIX)

Apache Ant 1.6.5 (or newer, 1.7.0 should work as well)

To run samples included in the binary distribution of Apache CXF, you must install the Apache Ant 1.6.5 build utility, which can be downloaded from:

<http://ant.apache.org/bindownload.cgi>

After installing Apache Ant, add the <AntInstallDir>/bin directory to your PATH.

For more details, see the Installation Guide.

Bouncy Castle/JCE and Xalan requirement for WS-Security

To use the WS-Security features of CXF, you need to obtain a JCE crypto provider that implements the algorithms that you plan to use. One option is to download the Bouncy Castle jar from: <http://bouncycastle.org/download/bcprov-jdk14-136.jar> and add that to the lib directory or classpath.

You also need to have xalan available as the xmlsec code has direct dependencies on xalan. However, all recent versions of xalan (2.5.0 - 2.7.1) have bugs in them that prevent the JAX-WS TCK from passing if it's on the classpath. Specifically, reading an EndpointReference via EndpointReference.readFrom(Source) may not result in an EndpointReference that is completely usable as namespace declarations may be lost.

BUILDING THE SAMPLES

Building the samples included in the binary distribution is easy. Change to the samples directory and follow the build instructions in the README.txt file included with each sample.

ERRATA

WS-Security

The WS-Security configuration mechanisms may change between this release and the next one as we add in support for WS-SecurityPolicy and WS-Trust.

REPORTING PROBLEMS

If you have any problems or want to send feedback of any kind, please e-mail the cxf dev list, cxf-dev@incubator.apache.org. You can also file issues in JIRA at:

<http://issues.apache.org/jira/browse/CXF>