

# java\_interop

## Apache XML Security for Java Interoperability

### Interoperability issues

As it can be seen on the [working group homepage](#), there are some interoperability reports, namely for [Canonical XML](#) , [Exclusive Canonical XML](#) and [XML Signature](#).

Interoperability depends heavily on test vectors, this means that implementation A has to check whether the signatures from implementation B can be verified. For this purpose, we have a collection of different test vectors in our `data/` directory. The directory includes test vectors from

- Baltimore KeyTools XML
- [IAIK IXSIL](#)
- [RSA Security Cert-J](#)
- The vectors from the [IBM alphaWorks XML Security suite](#) could not be included in this distribution because of licensing issues. For some reasons which I do not understand, they copyrighted their test signatures which they have bundled with xss4j. If you want to include interop testing against IBM in your unit tests, simply do the following: Download `xss4j-20030127.zip` from the [alphaWorks download page](#). Copy all files from the `xss4j-20030127.zip#xss4j/data` directory into the `xml-security/data/com/ibm/xss4j-20030127/` directory. If the Interop class finds these files, the `org.apache.xml.security.test.interop.IBMTest` class is also executed during unit interop tests.