Java Interoperability

1. Problems

In Version v1.0.4, there is one test case which fails (interop test for exclusive c14n). This is related to very esoteric node sets (The Y4 test vector from the interop matrix).

2. 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 been 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.