

ExtensibleMetadataPlatform

This page contains notes about a framework for handling XMP metadata.

Goal

In order to satisfy the PDF/A-1 specification Apache FOP needs a small XMP metadata framework. A generalized framework for XMP could be used inside the whole XML Graphics project and in other projects such as [PDFBox](#).

Existing Efforts

So far, there are no major open source XMP toolkits in Java around. [iText](#) has some code and Ben Litchfield's [JempBox](#) is another effort. Ben offered to work with us on this.

Requirements

Mandatory

- compatible with JDK 1.3 and higher
- parsing XMP (both from a SAX stream as well as XMP packets loaded from arbitrary files)
- writing XMP (both as XMP snippets and XMP packets)
- a suitable in-memory representation of XMP
- user-friendly read/write access to XMP values through XMP schemas
- Merging of two XMP documents
 - Use case: The main XMP document is contained in an XSL-FO file but the user agent (FOP) has additional values that need to be merged in (FOP's values overriding the ones from the FO file).

Optional/Future

- extension schema support as required by PDF/A-1
- validation

Code

Source Code:

<http://svn.apache.org/viewvc/xmlgraphics/commons/trunk/src/java/org/apache/xmlgraphics/xmp/>

Example Code:

<http://svn.apache.org/viewvc/xmlgraphics/commons/trunk/examples/java/xmp/>

Links

- [The initial mail on general.at.xmlgraphics.apache.org](#)
- [Adobe's XMP website](#)
- [XMP specification](#)
- [Link Building](#)