Apache™ XML Graphics Commons

Table of contents

1 Overview

Apache™ XML Graphics Commons is a library that consists of several reusable components used by Apache Batik and Apache FOP. Many of these components can easily be used separately outside the domains of SVG and XSL-FO. You will find components such as a PDF library, an RTF library, Graphics2D implementations that let you generate PDF & PostScript files, and much more.

The Apache™ XML Graphics Commons project is part of the Apache™ Software Foundation, which is a wider community of users and developers of open source projects.

In the Wiki, we have a Roadmap for Apache XML Graphics Commons. This roadmap is the place to describe new ideas for the project.

2 Features

Components which have been ported from Apache Batik and Apache FOP include:

Description	Package	Provenance
Image codecs for PNG and TIFF	org.apache.xmlgraphics.image.codec	Batik
Bitmap image writer abstraction with implementation for the above codecs and for the Image I/O API.	org.apache.xmlgraphics.image.writer	Batik
Java2D helper classes	org.apache.xmlgraphics.image.rendered and org.apache.xmlgraphics.java2d	Batik
Image loader framework (format detection, conversion and unified handling for bitmap and vector images).	org.apache.xmlgraphics.image.loader	new
Graphics2D implementation that produces PostScript and EPS	org.apache.xmlgraphics.java2d.ps	FOP
Helper classes for PostScript code production	org.apache.xmlgraphics.ps	FOP
Parser/Processor for DSC-compliant PostScript files (DSC = Document Structuring Conventions)	org.apache.xmlgraphics.ps.dsc	new
XMP metadata framework	org.apache.xmlgraphics.xmp	new
Various I/O classes, encoders and decoders for various formats	org.apache.xmlgraphics.util.io	Batik/FOP

3 News

RSS Feed:

3.1 20 Oct 2012: Version 1.5 Released

This release consists primarily of bug fixes, improved code practices, and improved coverage of CCITTFax Group 3 image formats. For details, please see Changes.

3.2 7 Jul 2010: Version 1.4 Released

This release adds the option to generate smaller PostScript files, support for the AdobeStandardCyrillic encoding, RefinedImageFlavor, TexturePaint support for PSGraphics2D (PostScript tiling patterns), improvements to the XMP framework, optimization for PostScript state handling in (E)PSDocumentGraphics2D, and more. In addition it contains a number of bug fixes. For details, please see the Changes page.

We are pleased to note that many new features were contributed from outside the team of committers. Such broader interest ensures the healthy further development of the project.

3.3 11 Jun 2008: Version 1.3.1 Released

This release is mostly a bugfix release for the image loading framework that has been introduced in version 1.3. For details, please see the Changes page.

3.4 7 Mar 2008: Version 1.3 Released

The most important addition in this release is an image loading framework which supports all sorts of different image formats (bitmap and vector) and is highly extensible.

Besides that there were a larger number of smaller additions and bugfixes.

Support for Java 1.3 has been dropped. Java 1.4 or later is required now.

3.5 21 Jul 2007: Version 1.2 Released

This release mainly adds support for CMYK and GRAY color spaces for PSGenerator. For details about other fixes, please see the Changes page.

3.6 22 Dec 2006: Version 1.1 Released

This release adds an XMP metadata framework and brings improvements for the ImageWriter package plus some minor fixes mainly in the PostScript area.

3.7 17 Apr 2006: Version 1.0 Released

This is the first release of Apache XML Graphics Commons. There are currently no known issues with the code.