




# History of Changes

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



## 1 Introduction and explanation of symbols

Changes are sorted by "type" and then chronologically with the most recent at the top. These symbols denote the various action types: =add, =fix, =update

## 2 Version Trunk (n/a)

### 2.1 Changes to the Code Base

-  Added 60 seconds expiration for invalid URIs in the image cache to recover from temporarily unavailable images. Committed by JM.
-  Added TexturePaint support for PSGraphics2D (PostScript tiling patterns). Committed by JM. Thanks to Ji#í Kunhart. See Issue [46583](#).
-  XMP framework: Added support for the structure property shorthand form and for specifying simple property values as attributes on rdf:Description elements. Committed by JM.
-  Added RefinedImageFlavor to the image loading framework for better refinement of image flavors. Committed by JM.
-  Switched from linear RGB to sRGB for the fallback color model, in order to avoid trouble with some images (CMYK TIFF, for example). Committed by JM.
-  Bugfix: reset graphic state when a page is finished in PostScript. Committed by JM.
-  Bugfix: glyph names starting with 'u' but not in the 'official' glyph list could cause a StringIndexOutOfBoundsException because they were parsed as u1234-like unicode values. Committed by VH.
-  Bugfix: Streams were not closed in Service class. Committed by JM.
-  Catching IllegalArgumentException in XMPSerializer when the Transformer implementation in use doesn't support the INDENT key. Committed by JM.
-  Added the ability to assign a string value for a key in a postscript dictionary. Committed by AC. Thanks to Ji#í Kunhart. See Issue [46292](#).
-  Made loading images via Image I/O more robust: A PNG with a zero resolution should fall back to the default resolution. Committed by JM. See Issue [45789](#).
-  JPEGPreloader: Fixed interpretation of JPEG resolution when "dots per centimeter" is specified. Committed by JM. See Issue [45835](#).
-  Bugfix: Added missing start/endPrefixMapping() calls when serializing XMP packets. Committed by JM.

## 2.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:

Adrian Cumiskey (AC), Jeremias Märki (JM), Vincent Hennebert (VH).

This is a list of other contributors:













Ji#i Kunhart.

## 3 Version 1.3.1 (11 June 2008)

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### 3.1 Changes to the Code Base

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-  Added fallbacks for Type 1 fonts which don't have the normal "one", "two" etc. glyphs, but actually only provide "oneoldstyle", "twooldstyle" etc. Committed by JM.
-  Added an image loader for XML Graphics Commons' internal TIFF codec. Committed by JM.
-  Added image processing hints to ignore an optionally embedded color profile in JPEG images. Committed by JM.
-  Made file URLs with a host (as happens when using UNC paths) work when loading images. Committed by JM. See Issue [44902](#).
-  Bugfix for classpath resources: the code doesn't just check the system class loader anymore. Committed by MB.
-  Bugfix for a potential multi-threading issue concerning the use of the java.text package. Committed by JM.
-  Bugfix for extracting ICC color profiles from JPEG images. Committed by JM.
-  Fixed two cases of unclosed input streams in image loader code. Committed by JM.
-  Bugfix for unhandled NumberFormatException in Glyphs when a unknown glyph name starting with "u" is found. Committed by JM.
-  Bugfix for ImageEncodingHelper which produced false results if an image's sample model used BGR instead of RGB. Committed by JM.
-  Fixed behaviour for the cases where a corrupt PNG image is encountered. Committed by JM.
-  Bugfix for EOFException when pre-loading very small PNG images (file size < 88 bytes). Committed by JM.

### 3.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:














Jeremias Märki (JM), Max Berger (MB).

## 4 Version 1.3 (07 Feb 2008)

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### 4.1 Changes to the Code Base

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-  Image Loading: Support for passing in SAXSource instance. Committed by JM. Thanks to Adam Strzelecki. See Issue [44466](#).
-  The package org.apache.xmlgraphics.image.loader was added. It contains a general image loading framework for various image formats (bitmap & vector). Committed by JM.
-  XMP: Added support for structured properties. Committed by JM.
-  PostScript: Added classes for "BoundingBox" DSC comments. Committed by JM.
-  Added support for classpath resources (find files in JAR files in the classpath using their MIME type) Committed by JM. Thanks to Max Berger. See Issue [42980](#).
-  Application of the patch in Bugzilla 43069: New Macro safe-set-page-device which guards against the possibility of invalid/unsupported postscript key/values being issued to the implementing postscript page device Committed by CB. Thanks to Adrian Cumiskey. See Issue [43069](#).
-  Bugfix for ISO 8601 date formatting with negative time zones in the XMP package. Committed by JM.
-  Bugfix for XMP serialization: arrays with only one entry were serialized as simple property which could lead to information loss for merge operations. Committed by JM.
-  PostScript: Fixed %%EOF checking for nested documents. Committed by JM.
-  PostScript: Improved robustness of DSC parsing (multi-line comments with no value on the first line don't cause crashes anymore, fallback for unparsable DSC comments). Committed by JM.
-  Fixed a possible NPE in the TIFF codec (in the TIFFImage constructor). Committed by JM. Thanks to Sergey Orlov. See Issue [43120](#).
-  Support for Java 1.3 has been dropped. Java 1.4 or later is required now. Committed by JM.
-  PostScript: Improved PSImageUtils by introducing the ImageEncoder interface and allowing for streams instead of byte arrays for data transfer which can lower memory consumption. Committed by JM.

### 4.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:

Chris Bowditch (CB), Jeremias Märki (JM).

This is a list of other contributors:




Adam Strzelecki, Adrian Cumiskey, Max Berger, Sergey Orlov.

## 5 Version 1.2 (21 July 2007)

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### 5.1 Changes to the Code Base

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-  Added support for CMYK and GRAY color spaces for PSGenerator (moved there from PSGraphics2D). Committed by JM. Thanks to Adrian Cumiskey. See Issue [42507](#).
-  Fixed literal text string escaping in PSGenerator. Some characters were not properly escaped. Committed by JM.
-  Fixed the PDF/A namespace according to ISO-19005-1:2005/Cor.1:2007 and deprecated the use of the draft PDF/A namespace used by Adobe Acrobat 7.x. Committed by JM.

### 5.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:

Jeremias Märki (JM).

This is a list of other contributors:







Adrian Cumiskey.

## 6 Version 1.1 (22 Dec 2006)

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### 6.1 Changes to the Code Base

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-  Added the start of an XMP metadata framework. Committed by JM.
-  ImageWriter abstraction now supports writing multi-page formats like TIFF. Committed by JM.
-  ImageWriter implementation for TIFF output using Image I/O API. Committed by JM.
-  Default implementation for AbstractGraphics2D.drawText(ACI, float, float) so PSGraphics2D supports painting text using the AttributedCharacterIterator. Committed by JM. Thanks to Max Berger.
-  Various fixes and improvements in the ImageWriter abstraction. Committed by JM.
-  Bugfix: The generation of the PostScript setdash command was assuming that only integer values can be used but that isn't the case. Committed by JM.

### 6.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:

Jeremias Märki (JM).

This is a list of other contributors:


Max Berger.

## 7 Version 1.0 (17 Apr 2006)

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### 7.1 Changes to the Code Base

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-  Initial release with several components from Batik and FOP: Image codecs, Image writer abstraction, I/O classes, Java2D helpers, PostScript library with Graphics2D implementation. Committed by JM.

### 7.2 Contributors to this release

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We thank the following people for their contributions to this release.

This is a list of all people who participated as committers:

Jeremias Märki (JM).

## 8 All Committers

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This is a list of all people who have ever participated as committers on this project.

- Max Berger (MB)
- Chris Bowditch (CB)
- Adrian Cumiskey (AC)
- Christian Geisert (CG)
- Vincent Hennebert (VH)
- Clay Leeds (CL)
- Jeremias Märki (JM)
- Cameron McCormack (CM)
- Simon Pepping (SP)
- Volunteer needed (open)