

Release Notes

1. FOP 0.20.5

This is the last planned release in the 0.20.x series (aka maintenance branch).

Important changes since the last release (0.20.4):

- Some hyphenation patterns (cs, da, de, de_DR, el, en, en_US, fr, nl, no, sk, tr) have been removed due to licensing reasons (en_GB hyphenation has been renamed to en). We're still working on this issue (see [Wiki](#) for details).
- Documentation is now built with [Forrest](#) (version 0.4). You need to install Forrest if you want build the docs yourself. (See [Using Forrest](#))
- The following JARs have been updated: Xerces to version 2.2.1, Xalan to version 2.4.1 and Batik to version 1.5beta4.
- FOP has been compiled with Jimi support, but Jimi is not included in the FOP distribution. To use it, first download [Jimi](#), then extract the archive, then copy JimiProClasses.zip to FOP's lib dir and rename it to jimi-1.0.jar.
- FOP has been compiled with JAI support, but JAI is not included in the FOP distribution. To use it, simply install [JAI](#).
- Links in PDF won't generate multiple link rectangles anymore. If this causes a problem you can set the system property "links.merge" to "no".
- FOP has been compiled with cryptography support. See [PDF encryption](#) for details about installation and usage.
- The behaviour of leader has changed. See [bug #19341](#), [bug #19465](#) and `leader.fo` (examples).
- For a more detailed list of changes, see the CHANGES file in the root of the FOP distribution.

2. FOP 0.20.4

Important changes since 0.20.3:

- FOP should now work with any JAXP1.1 compliant parser/transformer. It has been successfully tested with Xerces/Xalan, Saxon and JDK1.4 (which includes Crimson and Xalan).
- The following JARs have been updated: Xerces to version 2.0.1, Xalan to version 2.3.1 and Batik to version 1.5beta2.

- FOP has been compiled with Jimi support this time but you still have to download [Jimi](#) and copy it to lib/ to get PNG support (no need to build FOP yourself though).
- Building FOP with JDK1.2 does not work. Running is ok except support for additional truetype fonts in AWT Viewer.
- Logging has been changed from LogKit to Avalon's Logger Interface. (see [Embedding](#) for details).
- Building under JDK 1.4: You need to add a method in `src/org/apache/fop/svg/PDFGraphics2D.java` (search for jdk1.4 and remove the comments)
- To decrease the size of the distributions, ant, xml-docs, design-docs and the hyphenation sources have been removed from the binary distribution. Javadocs have been removed from the source distribution (use `build javadocs` to generate them).
- Documentaion generation is broken in the maintenance branch at the moment (Stylebook needs xerces1). The docs for this release are generated from the trunk.
- For a more detailed list of changes, see the CHANGES file in the root of the FOP distribution.

3. FOP 0.20.3

Important Information:

- This version supports the [XSL-FO Version 1.0 W3C Recommendation](#) syntax. So don't forget to update your Stylesheets:
Just rename the `master-name` property to `master-reference` on `fo:page-sequence`, `fo:single-page-master-reference`, `fo:repeatable-page-master-reference` and `fo:conditional-page-master-reference`.
- JDK 1.2 (or later) is required
- Jimi has been removed for licensing reasons
If you need PNG support you have to download [Jimi](#), copy it to lib/ and build FOP yourself
- Building under JDK 1.4:
You need to add a method in `src/org/apache/fop/svg/PDFGraphics2D.java` (search for jdk1.4 and remove the comments)
- For a more detailed list of changes, see the CHANGES file in the root of the FOP distribution.