

History of Changes

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1. Version FOP Trunk ()

2. Version 0.91beta (23 Dec 2005)

2.1. Code

- Added checks that warn about tables and block-containers that are wider than the available content area. (JM)
- First attempt at SVG support in RTF output. SVG images are converted to 300dpi JPEG images internally. (JM)
- The command-line now automatically sets two parameters for any XSLT transformation: "fop-output-format" contains the MIME type of the currently selected output format, "fop-version" contains FOP's version number. (JM)
- Added an alternative set of rules for calculating text indents which tries to mimic the behaviour of many commercial FO implementations that chose to break the rules in the FO specification in order to better meet the natural expectations of inexperienced FO users. (JM)
- font-family list still not fully supported but a comma-separated list is now properly tokenized. FOP will now go through all fonts in the list to find one that is available, but it doesn't do so per character, yet. (JM)
- Implemented "Overconstrained Geometry" rules (5.3.4, XSL 1.0) for the most important cases. (JM)
- Support for leader painting in PostScript output. (JM)
- Support for hyphenation-ladder-count. (LF, MM)
- Fixed a bug where the linefeed-treatment property value "preserve" was not honoured when used in conjunction with text-align="center". (MM)
- Bugfix: hard breaks with even-page or odd-page were not handled correctly when spaces were surrounding the break. (JM) Fixes [37964](#).
- Fixed a bug where SVG content could be clipped when rendered to PostScript. (JM)
- Changed the way resolutions are handled. The single resolution in the user agent got split up into source and target resolutions. For more info, see the updated documentation. Note: backwards-incompatible change! (JM)
- Bugfix: Some content inside a table-header may not have been rendered on pages $n > 1$ in certain conditions. (JM) Fixes [37875](#).
- Fixed a bug where an empty line, i.e. a block containing only a , was not rendered at all. (MM)
- Fixed a bug where the area for a finished cell that is broken over pages was created once for each row it was spanned over instead of only once. (JM)

- Bugfix: Footnotes were lost if the footnote appeared in centered text. (JM) Fixes [37880](#).
- Fix to correct image sizes in RTF output. (JM)
- The output file is now deleted when an exception occurs when calling FOP from the command-line. (JM)
- Bugfix: Areas for table-cells that are broken over more than one page are now generated even if all its content is already painted on a previous page. This fixes strange effects like a table grid that is not completely painted. (JM)
- Bugfix: Column balancing produced strange break decisions in certain multi-column documents with large amounts of text. (JM) Fixes [37828](#).
- Bugfix: The combination of content-width="scale-to-fit" and content-height="100%" did not work as expected due to a datatype conversion bug. (JM) Thanks to Tom Craddock. Fixes [37815](#).
- Bugfix: A span="all" on the first block cause a subsequent page break and the first block didn't span all columns. (JM) Fixes [37813](#).
- Bugfix: Self-created OutputStreams in PNG Renderer were not properly closed. (JM)
- Bugfix: Relatively positioned BlockViewports (from block-containers) caused the paint cursor not be properly advanced when space-before or space-after were present. (JM)
- Bugfix: Space resolution was incomplete for content in table-cells. Conditional elements didn't get removed. (JM)
- The validation check for non-zero borders and padding on a region-* and for empty static-content elements is now turned off when relaxed validation is active to improve compatibility with FO documents written for other FO implementations. (JM)
- Bugfix for "/" by zero" ArithmeticExceptions when an URL to a non-existing image is used and content-width and/or content-height is used. (JM)
- Bugfix for a multi-threading problem: propertyListTable initialization moved from the constructor to a static block in FONode. This fixes NullPointerExceptions in PropertyList. (JM)
- Bugfix for placement of text inside a text area when borders are present in PostScript output. (JM)
- Deprecated Fop constructors that use integer constants to select the output format have been removed in favor of the constructors that use MIME types. (JM)
- Changed the XMLHandler interface so it doesn't report the MIME type it supports but instead can report whether it supports a particular Renderer implementation. XMLHandlers are now configurable. (JM)
- Improved log and error messages in a number of places by adding additional context information that should make it easier to find the location in the source files. (JM)
- Additional checks to detect text overflows. The overflow property is now properly handled where applicable. (JM)
- Source location information improved. If location information is not available, the context information is provided based on text content. (JM)

- The border-collapse property on fo:table is now forced to the value "separate" until the collapsing border has been implemented. (JM)
- Improvements on leader painting in PDF output. (JM)

3. Version 0.90alpha1 (22 Nov 2005)

3.1. Code

- **Complete redesign of the FOP codebase** in the period between Dec 2001 and Nov 2005. There are just too many changes to list here. If you like to know details, run `"svn log --verbose http://svn.apache.org/repos/asf/xmlgraphics/fop/trunk/"`. (all)

4. Version 0.20.5 (18 July 2003)

4.1. Code

- For the change log for the maintenance branch (where FOP 0.20.5 came from), please see the "CHANGES" file in the distribution, or the CHANGES file in the SVN repository. (all)