Release Notes for dblatex

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REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

1   Introduction

This document provides a per-release list of enhancements and changes to the dblatex project. Appendix A dumps the entire change log, since it may contain details omitted in the release sections, like the precise list of the bugs fixed.

For releases prior or equal to version 0.2.9 the changes were listed in the dblatex manual. The full change history is now stored in this release note.

2   Release 0.2.12

Bug fix release.

- Add basic `biblioref` support. Its specific attributes are not handled yet.

- Allow the appendices to be followed by other sections.

- Add the ability to convert on the fly SVG figures to PDF through **inskscape**: apply patch #2821475 from David Necas.

- Improve the ability to format in bold or italic the elements embedded in `programlisting`s or `screen`s.

- Add the parameters:

  - *index.tocdepth*.
  - *index.numbered*.
  - *bibliography.tocdepth*.
  - *bibliography.numbered*.
  - *xref.hypermarkup*.

- A number of bug fixes.

3   Release 0.2.11

Release containing some new features.

- Improve the `set` support: dblatex can build all the PDF files (one per book) and the xr-hyper package is used to make cross-references between books.

- Improve the XeTeX font switch macros (still experimental).

- Add some hook to external error handlers.

- Change the verbatim implementation in order to be able to easily add new elements embeddable in `programlisting`s.

- Add the parameters:

  - *glossary.tocdepth*.
  - *glossary.numbered*.
  - *refclass.suppress*.
  - *use.id.as.filename*.

- Fix some bugs.

4   Release 0.2.10

Bug fix release.

- Use info/title to render `qansaset` headings.

- Use `\ensuremath{}` to make latin1 from UTF8 conversion more robust.

- Add the parameters:

  - `doc.layout` parameter to configure the overall document layout (deciding if it contains a coverpage, a toc, a frontmatter etc.).
  - `variablelist.term.separator` (common with DocBook Project),
  - `refentry.generate.name` (common with DocBook Project),
  - `ulink.show` (mechanism extended with @xrefstyle),
  - `ulink.footnotes` (mechanism extended with @xrefstyle).

- By default, a document subset (i.e. the root element is not an `article` nor a `book`) is no more wrapped with an `article`. No more unexpected cover page and front matter.

- A tex equation in `alt` can be written without latex math mode delimiters (\(\),\[\], $ $) in both `equation` and `inlineequation`.

- Add `texmath` Processing Instruction in `alt` in order to avoid automatic math mode wrapping

- Make XeTeX support more mature (but still experimental).

- Change the documentation structure.

- A number of bug fixes, including:

  - Debian bugs: #525692, and #514932.
  - SourceForge bugs: #2412650, #2393435, #2381306, #2058771, #1987025, and #1975259.

5   Release 0.2.9

Bug fix release.

- Add the parameters `refentry.numbered`, `refentry.tocdepth` to have the `refentry` titles numbered (default) or not.

- Add `partintros` handling. Needed to have a complete TDG compiled with **dblatex**.

- Add linking to `areaset`.

- Add `emphasis` rendering in `programlisting` and `screen`.

- Add some logic to handle the graphics in equations. Add the `alt.use` parameter.

- Add some XeTeX support. One can use `-b xetex` to compile with **xelatex**. The `xetex.font` parameter is added to allow the user to configure the fonts used by XeTeX. This feature may not work for some ranges of unicode characters. This aspect will be improved in a next release.

- A number of bug fixes.

6   Release 0.2.8

Bug fix release.

- Add the parameters *equation.default.position*, *example.default.position*, and *cjk.font*.

- A number of bug fixes.

7   Release 0.2.7

- The XRef implementation is competely refactored to work with the common DocBook Project stylesheets version 1.72. The goal is to support the DocBook Project xreftyle and olink capabilities. In normal use, the changes should be transparent.

- **Dblatex** accepts input data from standard input. Therefore, the result of some pre-processing (like profiling) can be piped to dblatex.

- Several user stylesheets (option -p) can be passed. Note that each stylesheet is imported (not included) which have significant impact on precedence or overriding behaviour.

- Other minor improvements and a number of bug fixes.

8   Release 0.2.6

Bug fix release.

- It is possible to number and/or put the preface, dedication, and colophon sections in the TOC and bookmarks.

- Add a draft watermark when the document is in draft mode. Moreover, the draft mode can be deduced from the document `status` attribute.

- Some other minor improvements and bug fixes.

9   Release 0.2.5

Contains some deep changes even if the list of changes is small.

- Basic support for Chinese, Japanese, and Korean (CJK) languages. The CJK package must be installed, as well as the cyberbit fonts, to have this feature available.

- Support native UTF8 latex compilation, thanks to the `ucs` package.

- Preamble code refactored. The expected benefit is to make dblatex more customizable.

- Some other minor improvements and bug fixes.

10   Release 0.2.4

A bug fix release.

- A step towards DocBook 5 support by reusing the DocBook Project namespace stripping templates.

- More consistent console output (use of logging python module).

- Some bug fixes, including:

  - Fix PostScript output bug introduced in 0.2.3.
  - Use of subprocess to handle correctly the latex compilation.
  - A general parser/encoding mechanism is added, allowing to encode `programlisting` characters to Latin1.

11   Release 0.2.3

This is mainly a bug fix release.

- Experimental `annotation` support (DocBook 5) enabled when the `annotation.support` paramater is set to 1. The annotation support is only for PDF output.

- Some `setup.py` improvements and bug fixes, thanks to Max Horn's feedbacks (Fink packager).

- Some minor improvements (`doc.toc.show` and `draft.mode` parameters added).

- A number of bug fixes.

12   Release 0.2.2

- BibTeX support added. See the section called "Using BibTeX Databases" in *DocBook to LaTeX Publishing* for more details.

- A better bibliography support, and natbib citation styles can be used (see the section called "Natbib Citations" in *DocBook to LaTeX Publishing*).

- Some table improvements:
  - Formal tables accross several pages are possible when setting the `table.in.float` parameter to 0. The limitation is that the caption must be on the top of the table.
  - Automatic table width allowed when setting the `newtbl.autowidth` parameter to default or all.
  - Footnotes in tables are possible.
  - Basic `programlisting`/`screen` support in tables.

- A number of bug fixes.

13   Release 0.2.1

- Better unicode support. Now the XML output is encoded in UTF-8, and Python uses the codecs to decode to ISO-Latin1 and replace the unsupported characters to some latex equivalent.

- Several XSLT processors can be used. The first port is for 4suite because it is fully written in Python and is quite a good tool. The processors are loaded as plugins, so that it can be easily extended to any other XSLT processor.

  The processor to use is specified from the command line with the `-m` `xslt` option, where `xslt` is the name of the plugin to load (actually the name of the dynamically loaded Python module).

- The XSL code is more conformant. It has been checked by using the 4suite XSLT processor as an alternative to **xsltproc**.

- Possibility to have some configuration files stored under `$HOME/.dblatex` or under `/etc/dblatex` for system-wide configurations. Some extra paths can be specified by using the `DBLATEX_CONFIG_FILES` environment variable.

- The `remarks` and `comments` are rendered as PDF text annotations when pdflatex is used. Otherwise, the comments are suppressed.

- Some other minor improvements:
  - The parameters `pdf.annot.options`, `latex.class.book`, and `latex.class.article` are added.
  - An hexadecimal color like `<?dblatex bgcolor="#cceeff"?>` is supported, and a named color like `<?dblatex bgcolor="blue"?>` is supported too (in the previous release named colors had to be enclosed in curly braces "{}").
  - Some cleaner locale handling is provided, and new latex commands are given to allow the user to customize the babel setup.
  - The cross-references now use `key()` instead of `id()`. It prevents from some bugs and makes writing a document easier, especially in modular parts.

- Some bug fixes.

14 Release 0.2

- Better **osx** integration. The SDATA entities are translated to the equivalent Unicode characters.

- Better Windows compatibility thanks to Nicolas Pernetty for his patches and feedbacks.

- Better table support:

  - Putting some verbatim text (`literallayout`, `address`, `synopsis`, `classsynopsis`) in tables now works.
  - Nesting some `informaltables` is possible.
  - Basic `entrytbl` support.
  - Better `valign` attribute support.
  - The columns, rows and entries can be coloured by using some special Processing Instructions like `<?dblatex bgcolor="..."?>`.
  - The table `floatstyle` attribute can be used to specify the float placement rules (like "[htbp]").

- A few `imageobject` improvements:

  - Like for the official DocBook XSL stylesheets, you can use the `role` attribute in `imageobject` to specify the image to use by **dblatex**. Set role to 'dblatex' to select the image used by **dblatex**.
  - Alternative `imageobjects` can be put in a `mediaobjectco` (DocBook 5).

- Some cleanups and a number of bug fixes.

15 Release 0.2pre

Major release. All the code to transform SGML, call the XSLT, convert the figures and finally compile with LaTeX has been re-written from scratch in Python, removing Perl and GNU make dependencies. The LaTeX compilation relies on a subset of the Rubber package. The new implementation is more robust, more consistent, and gives the possibility to integrates new features. Some other small improvements are included too:

- Some list attributes like `continuation`, `numeration` and `spacing` are now supported.

- The *filename.as.url* parameter is added to avoid forced hyphenation with spurious '-' characters.

- Some bug fixes.

16 Release 0.1.10

Bug fix release.

- Images can now have their default dimension limited to a specified maximum dimension (can be lower than the page bounderies).

- the following parameter is added:

glossterm.auto.link
      Makes glossterms link to their glossary definition.

- A number of bug fixes.

17 Release 0.1.9

Few changes.

- The newtbl implementation now handles some tricky row spanning cells. Moreover it becomes the default table implementation used.

- Equations without title are now latex equations (not formula in a float).

- Xref to `varlistentry` or `term` is possible.

- the following parameters are added:

  make.year.ranges, make.single.year.ranges
  Change the rendering of year ranges in a copyright.

- A number of bug fixes.

18 Release 0.1.8

This is mainly a bug fix release.

- Better `programlisting` and `screen` support: inlinegraphic[@format='linespecific'] is handled.

- Better newtbl support: the case colwidth="1in+5*" is now correctly handled.

- GIF images are converted on the fly to PDF.

- `Bibliolist` support.

- Minor improvements:

  – DBLaTeX does not convert images when output is latex only.
  – `Emphasis` with role="underline" is supported.
  – `Trademark` with class="service" is supported.
  – `Xref` to `refnamediv` is now possible.
  – Automatic `biblioentry` abbreviation used if `abbrev` and @id reference are not defined.

- the following parameters are added:

  titleabbrev.in.toc
  When set to 1 the titleabbrev content is put in the TOC instead of the title. Set to 1 by default.

  set.book.num
  When the document root element is a `set` this parameter can be used to select the book to print. Set to 1 by default.

  doc.lot.show
  It specifies which Lists of Titles should be printed after the Table of Content. The value is a comma separated list of the LoTs to print. The supported LoTs are "figure", "table", "equation", and "example". The list order represents the LoTs order in the output document.

  qandaset.defaultlabel
  It defines the default label to use in a `qandadet` when the defaultlabel attribute is not specified. Set to "number" by default.

  imagedata.file.check
  Set to 1, it checks if the referenced image file exists. If not, the mediaobject alternative (textobject) is used. Set to 1 by default.

  doc.alignment
  It defines the text alignment for the whole document. The valid values are: "left", "center", "right", "justify". By default the parameter is empty, which is equivalent to "justify".

- A number of bug fixes.

19   Release 0.1.7

- Callouts are now supported:

  - Embedded callout markups `cos` are supported.
  - The `coref` markups are supported.
  - Callouts markups defined with `areas` in a `programlistingco` or `screenco` are supported.
  - Callouts on external text files (referenced by `textdata` or `imagedata` elements) are supported.
  - `Mediaobjectcos` is supported.
  - The `calloutlists` are rendered as description lists where the terms are the callout markups.
  - The links between the callout markups (defined via `areas` or `cos`) and the `calloutlist` items (linkends attributes) are handled properly.

- `Programlisting` and `screen` improved: external text files referenced via `textdata` or `imagedata` are now supported.

- An `abstract` in an article is now printed.

- The `legalnotices` are now printed in the native docbook style.

- Better `xref` support. You can now make a cross-reference to an `itemizedlist` with title, and to a `refentry`.

- Hyphenation is forced for text using a typewriter font, and the font is smaller.

- Running **dblatex** on a root element different from a book or article does not fail anymore, except for `set`. The root element is now wrapped into a `book` or an `article`.

- Minor improvements:

  - A DBLaTeX logo can be put on the cover page.
  - The PDF information section can tell that the creator of the document is dblatex.

- the following parameters are added:

  co.linkends.show
  Next to a callout markup the links to the corresponding calloutlist items are shown if the parameter is set to 1. Set by default to 1.

  callout.markup.circled
  The callouts referenced in the callout list have the same rendering than the markups in the listing (or graphic), that is, white numbers in black circles. Set to 0 the references are simple numbers. Set to 1 by default.

  callout.linkends.hot
  The callouts referenced in the callout list are hot links if the parameter is set to 1. Then, the references are in red such like any other cross-reference link in the document. Set to 1 by default.

  term.breakline
  Set to 1, the item following a term in a variable list is put on the next line. Set to 0 by default.

  doc.pdfcreator.show
  Set to 1, the creator field of the PDF information section says that dblatex is the creator. Set to 1 by default.

  doc.publisher.show
  Set to 1, the dblatex logo is printed on the cover page of the native docbook style. Set to 0 by default.

  literal.lines.showall
  Set to 1, all the lines in a verbatim environment like programlisting or screen are printed, even if they are empty. Set to 0, the last empty lines are not printed. It is set to 1 by default.

- Some bug fixes.

20 Release 0.1.6

- Better `figure` and `informalfigure` rendering:

  - Caption and title are printed separately, in a consistent way.
  - Default image scaling is possible.

- Better `programlisting` and `screen` rendering:

  - All the attributes are supported
  - A default verbatim layout is provided. The text is put in a framed box with a yellow background color.
  - Long lines are wrapped.

- Minor improvements:

  - A breakline is forced after a `term` when it is immediately followed by a list.

- the following parameters are added:

  imagedata.default.scale
  It defines the default scaling rule to apply on every `imagedata` that contains no scaling attribute.

  By default the parameter is set to 'pagebound', that is the images keep their natural size up to the page boundaries.

  figure.title.top
  Set to 1 it specifies to put the title above the image. By default it is set to 0 (title below).

  > **Note**
  > This parameter has no effect if an explicit float style is used for the figures (e.g. ruled style), since the title position is then fixed by the chosen style.

  mediaobject.caption.style
  Font style applied to the caption text. Default is slanted.

  literal.width.ignore
  Set to 1 the programlisting and screen width attribute is ignored.

  literal.layout.options
  Overwrite the default verbatim layout options.

  seg.item.separator
  Defines the separator to use between several `segitems`.

- Some bug fixes.

21 Release 0.1.5

- **dblatex** supports the new option `-T` *`target_style`*. It specifies which latex style to use for formatting the output. See the section called "Output Formatting Style" in *DocBook to LaTeX Publishing* for more details.

- The configure script can select the default latex style to use with the option `--target`. Example:

```
./configure --prefix=/where/to/install --target=db2latex
```

- The use of **make** instead of **gmake** is now detected by configure.

- Any document language should be well supported, since babel is now included for the related language.

- New table support, completely re-written by David Hedley. It is very good and no Perl parsing is needed. One can use this new XSL table code by setting the parameter newtbl.use=1.

- The following XSL parameters are added:

  latex.babel.use
  > Set to 1 the babel package corresponding to the document language is included. Set to 0 no babel package is included whatever the document language is. Default is 1.

  latex.babel.language
  > Empty by default, this parameter forces the use of the specified babel language whatever the document language is.

  newtbl.use
  > Set to 1, use the David Hedley table support. By default it is set to 0.

  figure.note
  > Figure to use to render a `note` block. This parameter is added to allow new latex styles to use their own figures in admonitions.

  figure.tip
  > Figure to use to render a `tip` block. This parameter is added to allow new latex styles to use their own figures in admonitions.

  figure.important
  > Figure to use to render a `important` block. This parameter is added to allow new latex styles to use their own figures in admonitions.

  figure.warning
  > Figure to use to render a `warning` block. This parameter is added to allow new latex styles to use their own figures in admonitions.

  figure.caution
  > Figure to use to render a `caution` block. This parameter is added to allow new latex styles to use their own figures in admonitions.

- XML source files with any extension are correctly handled. Previously one needed to give XML files with extension .xml.

- Better `footnote` support: it can be used in section titles and in `terms`.

- Some latex rendering aspects are removed from the XSL stylesheets (they should never have been in these stylesheets): \parindent value, \parskip value, \thispagestyle{fancy} for pages containing chapters.

- Bug fixes.

22   Release 0.1.4.1

- Significant `imagedata` improvement: almost all the attributes (align, valign, depth, width, scale, scalefit, contentdepth, contentwidth) are correctly managed. However percentage used for both contentdepth and contentwidth is not managed (only contentwidth percentage is then applied).

- Dblatex tries to automatically detect the image file formats of the included graphics, and convert them if necessary (and if possible) to be compatible with the TeX backend driver. It is usefull when several image formats are used within the same document, in which case the `-f` `fig_format` cannot be used.

- The dblatex option `-P` `param=value` is added. One can then set XSL parameter values directly from the command line. This is an alternative to the `-p` `custom.xsl` option.

- The `align` attribute is now managed for table cells spanned on several columns (i.e. row entries with `nameend` or `spanname` attributes).

23   Release 0.1.4

- Deep code cleanup.

- Better table support

- Multicolumn support (use of the attributes `namest`, `nameend`, `spanname`).
- Better `frame`, `rowsep`, `colsep` attributes inheritance.

- Better bibliography support

  - `Bibliography` can be nested under any section.
  - `Biblioset` support.
  - Basic `bibliomixed` support.

- `Indexterm` `sortas` and `class` attributes support added.

- `Imagedata` `width`, `depth`, `scale` attributes support improved. In previous releases, `scale` was used instead of `width`. Now, you should use `width` or `scale` properly.

- `Programlisting` `linenumbering` attribute support added.

- Basic `glossary` support added.

- Better `reference` support. `Refnamediv` title is no more hard-coded (use of $refnamediv.title if not empty, or name automatically generated according to the lang).

- `Qandaset` improved. `Qandadiv` can be nested under any section.

- Better `xref` support. Now `xreflabel` and `endterm` work.

- The latex hyperref package is now automatically included in the dbk_core package. A customized LaTeX style package shouldn't include hyperref anymore.

- `Link` now works.

- `Trademark` `class` attribute managed (except class='service').

- A `keyword` is not displayed but is inserted in the index entries.

- Some bug fixes.

A   Change Log

The listing below contains all the raw data used to write each release change section. It is provided since it may contain additional details.

```
Release 0.2.12:
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- Add support for feature #2836168 with the xref.hypermarkup parameter that
  wraps the whole xref markup with an hyperlink.
- The <index> section can be unnumbered when the new parameter index.numbered
  is set to 0.
- <bibliography> sections can be unnumbered when the new parameter
  bibliography.numbered is set to 0. The parameter
  bibliography.tocdepth is also given.
- Basic <biblioref> support added. The specific attributes are not handled.
- Allow the appendices to be followed by other sections.
- Fix indexterm bug in titles.
- Apply patch #2821475: add a converter to transform SVG graphics with
  Inkscape (thanks to David Necas)
- Fix bug #2821901: <reference> headings to the right level
- Fix bug #2818215: square brackets must be protected in <member>s
- Fix bug #2819592: references working with xml:id (DocBook 5 compatibility)
- Fix Debian bug #533332: wrong page numeration in PDF viewers with XeTeX
  backend
```

```
- Fix Debian bug #528964: linebreaks preserved in formatted verbatim
  environment


Release 0.2.11:
---------------

- Improve the <set> support: dblatex can build all the PDF files (one per
  book) and the package xr is used to make cross-references between the books.
- Improve the xetex font switch macros (experimental fontconfig support)
- Format the elements contained in <ulink>s (not only text)
- Add some hook to external error handlers +
  Add the Debian error handler in the repository (the maintainer is still
  A. Hoenen)
- Change verbatim implementation in order to be able to easily add new
  elements embeddable in <programlisting>s
- Optimize the pdftex backend by supporting the -draftmode option
  (experimental)
- Fix documentation bug #1997998.
- Fix bug #1831383: use \ref*{} to display <xref> in a TOC or LOT
- Fix Debian bug #528849 about the <refclass> rendering, add the
  refclass.suppress parameter, and fix the <refpurpose> dash separator
  (use of &mdash; instead of &ndash;)
- Fix the bug where \nolinkurl{} strips the spaces
- Fix a bug annotation
- Glossary headings are now rendered like refentry headings
  (add glossary.numbered and glossary.tocdepth parameters)
- Add and modify scripts to synch SF CVS and Mercurial repositories


Release 0.2.10:
---------------

- Fix Debian bug #525692: remove babel shorthand for russian
- Fix Debian bug #514932: apply XSLT options when building listing
  (thanks to W. Borgert's patch).
- Fix Debian bug #499500: apply the A. Hoenen patch
- Fix bug #2412650: make curly braces more robust in <indexterm>s.
- Fix bug #2393435: handle <table> @pgwide for two column mode.
- Fix bug #2381306: make <ulink>s more robust in <term>
- Fix bug #2058771: use \ensuremath{} to make equations robust.
- Fix bug #1987025: use @xml:id when provided to make labels.
- Fix bug #1975259: apply general title template to handle escaped chars in
  qandaset titles.
- Fix bug in handling @xreflabel in <xref>
- Fix annotation bug: add a correct font setup to each annotation tex file
- Fix some character translations: backtick ('), degree symbol
- Fix SGML to XML conversion through osx
- Use Info/title to render qansaset headings
- Use \ensuremath{} to make latin1 from UTF8 conversion more robust
- Add the parameters:
  * doc.layout: configure the overall document layout
    (deciding if it contains a coverpage, a toc, a frontmatter etc.)
  * variablelist.term.separator,
  * refentry.generate.name,
  * ulink.show (mechanism extended with @xrefstyle),
  * ulink.footnotes.
- Remove useless parameters (rely on localized gentext instead):
  * refnamediv.title,
  * refsynopsis.title,
- Move the 'qandaset.defaultlabel' parameter to 'qanda.defaultlabel' in
  order to be common with the DocBook Project XSL parameter.
```

- By default, a document subset (i.e. no <article> or <book> root element
  is no more wrapped with an <article>. No more unexpected cover page and
  front matter.
- Allow a tex equation in <alt> without latex math mode delimiters in both
  <equation> and <inlineequation>.
- Add texmath PI in <alt> in order to avoid automatic math mode wrapping
- Make XeTeX support more mature (but still experimental).
- Change the documentation structure.

Release 0.2.9:

- Fix bug #1838293: <dedication> and <colophon> support where <title>s
  are optional.
- Fix bug #1833581 (biblio elements).
- Fix bug #1832623 (<userinput> rendering in normal mode).
- Fix bug #1769020 (date in <biblioentry>).
- Fix bug #1745318 with a minipage in \author{}.
  Fix the similar debian bug #465221.
- Fix bug #1642442 (missing unicode characters).
- Fix debian bug #466162 (German localization).
- Fix debian bug #461919 (rendering abstract titles).
- Fix debian bug #459474 (simplesect in appendix).
- Fix unicode character encoding in TeX equations in <alt>.
- Fix bug that transforms "<<" to french quotation marks.
- Fix spurious spaces in inline graphics.
- Fix to have frenchb 2.x support (option macros changed).
- Add refentry.numbered and refentry.tocdepth parameters to have the
  refentry titles numbered (default) or not.
- Add <partintro>s handling.
- Add linking to <areaset>.
- Add <emphasis> rendering in <programlisting> and <screen>.
- Add some logic to handle the graphics in equations.
  Add the alt.use parameter.
- Add some XeTeX support. One can use -b xetex to compile with
  xelatex. Add the xetex.font parameter too.
- Add the "angle" attribute to the dblatex Processing Instruction.
  When set in an <imageobject>, you can rotate the image to the
  required angle.

Release 0.2.8:

- Fix <userinput> in <programlisting> (#1832623)
- Fix <literal> in <example> title (#1831391)
- Fix <foreignphrase> in <example> title (#1831385)
- Fix <indexterm> in <programlisting> (#1831374)
- Fix UTF-8 encoding in olink target.db data (like <ttl>)
- Fix <colophon> after the index. (Debian bug #447607)
- Fix <title> in <sidebar>s. (Debian bug #447616)
- Fix stuck <holder>s in <copyright> (Debian bug #446871)
- Fix <question> italic bug. (#1800469)
- Fix an <xref> bug to a biblioentry.
- Fix setup.py to allow the --skip-build option. (#1790229)
- Fix the portugese babel loading. (#1797774)
- Fix <xref> to a <part>.
- Fix some missing parameters used by gentext.xsl.
- Fix a weird behaviour with \nolinkurl{} used in a table cell.
- Fix the page.citation mode shown when $insert.xref.page.number = 'yes'.
- Fix missing punct.honorific parameter.

```
- Fix the <refentry> sections to the right nested level. (#1792996)
- A list preamble (before the list items) is now processed. (#1783455)
- Add lastpage.sty under latex/misc, for MikTeX distribs.
- Add some table <entry> consistency check.
- Add the parameters: equation.default.position and example.default.position.
- Add the parameter: cjk.font.
- Add pdftitle and pdfauthor in PDF document infos.


Release 0.2.7:
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* Improvements:
  - Xref completely refactored to work with the common
    DocBook Project XSL stylesheets version 1.72.
  - Olink and xrefstyle support added.


* Minor changes:
  - dblatex accepts input data from stdin.
  - newtbl.bgcolor.thead added, to change the default table header color.
  - Italian translation added.
  - Several user stylesheets (option -p) can be passed.
  - In the docbook styles, the front matter page numbers are now in roman.
  - <biblioid> can be used instead of <pubsnumber> in the doc info,
    mostly for docbook 5 files.
  - monoseq.small parameter added (Michael Smith's patch)


* Bug fixes:
  - Fix bug with german babel (e.g '"S' becomes 'SS').
  - Fix Author listing bug.
  - Fix <screen> in <footnote>s, in simple cases.
  - Fix footmisc package inclusion bug (must be loaded before hyperref).
  - Fix bibliomixed/bibliomset text bug (tex characters must be escaped).
  - Fix xref to a callout.
  - Fix the use of <alt> in equations: when <alt> is used, the other
    elements must not be processed. Parameter tex.math.in.alt added
    to choose if <alt> should be used by default.
  - Fix empty MathML equation case.
  - Fix bug #1778655: added anchors in <para> having an id
  - Fix bug #1777645: footnotes with id handled correctly
  - Fix bug #1777575: an <indexterm> between paragraphs don't stick the
    paragraphs anymore.
  - Fix bug #1777364: <thead> no more duplicated in nested tables.
  - Fix bug #1745309: <author>s under docinfo are not concatenated.
  - Fix the last page bug shown with a recent texlive
  - Fix bug about changebars for consecutive paragraphs
  - Ulinks shown as hot links in biblio enties.
  - Fix index bug to front matter pages (when front page numbers are in
    roman).


Release 0.2.6:
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* Minor improvements:
  - Headings code refactored.
  - Unnumbered sections (e.g. preface) can be put in TOC. Add the parameters:
    * preface.tocdepth
    * dedication.tocdepth
    * colophon.tocdepth
  - Basic <itermset> support
  - Basic <beginpage> support (start a new page only at the current page)
```

  – Parameter monoseq.hyphenation added to handle SF bug #1727482
  – Add draft.watermark={0|1} and draft.mode=maybe, allowing to deduce the
    draft mode from the @status='draft' attribute, and allowing to print
    the "DRAFT" text as a watermark on every page. (thanks to Colin Marquardt's
    patch)

* Bug fixes:
  – Fix display of several <glossseealso>s in <glossentry>
  – Fix <para> output in list items (<listitem>, <step>)
  – Fix unicode bug in <step>/<title>s
  – Fix <footnoteref> bug in <table>s (thanks to Colin Marquardt's patch)
  – Fix setup.py to make bdist_rpm work (thanks to Tim Fuehner's patch)
  – Fix some missing characters (euro, etc.) by using the pifont and textcomp
    packages.
  – Fix unicode bug in some verbatim environment.
  – Fix bug #1727472 (glossentry without acronym has no line break).
  – Fix URL bug under Windows. (dbtex.py)
  – Add some missing greek symbols in unicode mapping. (unient.py)

Release 0.2.5:
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* Improvements:
  – Basic support for CJK languages. Use the CJK package and the cyberbit fonts.
    The HLatex package is not supported yet.
  – Support native UTF-8 latex compilation, thanks to the ucs package.
  – Add the -s, --texstyle option.
  – Preamble handling refactored. The expected benefit is to make dblatex more
    customizable.
  – Drop the docbook style 'article' or 'report' option. It is up to the style
    to find out if it is an article or not (if needed).
  – Support @valign combined with @morerow.
  – Better URL handling in tables (special characters like '%').
  – Better dblatex package precedence, to ensure that the dblatex specific
    packages have always precedence over the system wide package.
  – Figure captions take into account the inline docbook elements.

* Bug fixes:
  – Restore the -r, --texpost option.
  – Fix use of compact itemizes in french.
  – Fix --tmpdir bug for relative paths.
  – Fix a small synopsis bug.
  – Fix SF bug #1672862. Change the parsing separators to some non-human
    writable pattern.
  – Fix the block display of MathML equations put in an <informalequation>.
  – Fix <programlisting> latex translation bug.
  – Remove unexpected space strippings in <title>s.
  – Fix bug about locale formatting (in l10n.xsl).

Release 0.2.4:
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* Minor improvements:
  – Basic DocBook 5 support (namespace stripping)
  – More consistent console output (use of logging)
  – Add general parser/encoding mechanism (to fix <programlisting> encoding
    troubles)
  – Better <calloulist> item indentation. The calloutlist.style parameter is
    provided to change the rendering.

```
* Bug fixes:
  - <releaseinfo> displayed in a biblioentry.
  - draft.mode parameter more consistent.
  - <biblioid> support in biblioentry.
  - Fix regression bug (introduced in 0.2.3): ps building possible again
  - Fix bug about image conversion combined with -bdvips
  - Indexterm taken into account when in <refmeta>
  - Use of subprocess instead of os.system() to have a portable latex
    compilation.
  - Add -R0 to dvips to work with 5.95b (thanks to Andreas Hoenen)
  - Fix URL UTF-8 to Latin1 encoding
  - Fix bug in dumping latex errors when latex fails
  - <programlisting> characters now encoded to Latin1
  - Basic <highlights> support


Release 0.2.3:
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* Improvements:
  - Experimental annotation support (enabled when annotation.support=1)
  - Add imageobjectco.hide={0|1} to hide the callout numbers on the image.

* Setup changes and fixes:
  - Check the available XSLTs (xsltproc is not required if 4Suite
    is available) (SF Bug #1617458).
  - Avoid optional package dependency (unicode.sty)
  - Add the --use-python-path to use the path of the python interpreter that
    runs setup.py, instead of relying on env to locate python
    (thanks to Max Horn, the Fink packager)
  - Fix the wrapper script building when --root is used
    (thanks to Max Horn, the Fink packager)

* Minor changes:
  - When <releaseinfo> is set, but empty, the box in the header is removed.
  - Add doc.toc.show={0|1} to let user skip the TOC.
  - Add draft.mode={'yes'|'no'} to print or not the <releaseinfo> content in the
    header of each page (SF Request #1600886).

* Bug fixes:
  - Some locale elements translated to iso-latin1.
  - Locale mappings updated for 'de' and 'es'.
  - Spanish babel setup added, to workaround some of the bugs introduced by
    spanish.
  - Load babel before the docbook style, to work around the babel/3875 bug.
  - Xref to a term containing empty lines.
  - String-replace origin detailed in COPYRIGHT.
  - <abstract> duplication fixed (SF Bug #1560164).
  - Spurious space fix.
  - Make the -B option actually work.


Release 0.2.2:
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* BibTeX support.
  - Some bibliography databases can be specified in <?bibtex?>
  - A bibliography style can be specified in <?bibtex?>
  - A global style can be defined with the latex.biblio.style parameter
  - Options -L bib_path and -l bst_path added
  - Bibtex is automatically called when the file is compiled
```

* Table changes:
  - Longtables can be used to have formal tables across several pages. Use
    table.in.float=0 for this (Bug SF #1463054).
  - Automatic table width allowed with newtbl.autowidth={default|all}
  - Footnotes in tables are possible.
  - Basic programlisting/screen support in table.

* Other changes:
  - Better cited bibliography support.
  - Possible use of natbib citation styles (belgabor patch)
  - Better MathML entity mapping.
  - Footnote in programlisting possible.

* Bug fixes:
  - Fix about tilde translation.
  - Check if a title is numbered or not for TOC filtering.
  - Bug SF #1587091: link to formalpara (and refsection)
  - Bug SF #1600124: correct URI from pathname in XSL parameter file
  - Bug SF #1600441: handle image files with spaces in the path
  - Bug SF #1606166: verbatim in legalnotice
  - Catch a 'Rerun' asked by bibtopic or changebar packages
  - Xref to a formal table fixed
  - Escape characters in some biblio elements.
  - Glossary title fix.
  - Better MathML entity mapping.
  - Added calloutlist title.
  - Handles UTF-8 indexterms
  - Fix anchor in glossterms
  - Extends unicode support (with passivetex packages). It is activated with
    latex.unicode.use=1
  - Handles callout list titles
  - Handles xref to a glossentry

Release 0.2.1:
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* Python code improvements:
  - Use of codecs for better and systematic unicode support.
  - Extensible XSLT engines, loaded as plugins.
  - Option -m added to select the XSLT to use.
  - XSLT module using 4Suite (http://4suite.org) added.
  - Possibility to have user and/or system-wide configuration files.

* XSL improvements:
  - UTF-8 XML output.
  - Hexadecimal color like <?dblatex bgcolor="#cceeff"?> supported.
  - Named color like <?dblatex bgcolor="blue"?> supported.
  - lang.xsl: contains all lang stuff and calls the babel setup hook.
  - newtbl.xsl: @cellpadding used for horizontal padding.
  - pdf.annot.options parameter added to customize the PDF text annotation
    rendering (width, height, depth, title).
  - latex.class.book and latex.class.article parameters added to let user
    choose an alternative document class.

* Latex improvements:
  - Cleaner locale handling.
  - New latex commands to customize the babel setup.
  - Default babel setup for french.
  - Remark/comment rendered as PDF text annotations. Fixes Bug #374210 and
    allows remark in boxes/minipages like a note.

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* Bug fixes:
  - Cross-references use of key() instead of id().
  - newtbl.xsl, xref.xsl: more conformant XSL code.
  - dbk_core.sty: use enumitem instead of enumerate (simple style).
  - biblio.xsl: bibliographic title fixed for an article (use of \refname).
  - dbtex.py: bug fix when both -Tstyle -Pparam are used.
  - legalnotice.xsl: bug shown by xsltproc-1.1.18 fixed.
  - graphic.xsl: escape graphic filenames.


Release 0.2:
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* Better osx(1) integration. The SDATA entities are translated to the equivalent
  Unicode characters.

* Better windows compatibility thanks to the Nicolas Pernetty's patches:
  - Use of a portable 'which' during the install dependency check.
  - Use of shutil instead of unix equivalent commands.
  - Portable TEXINPUTS variable setup.
  - Compatible figure path setup.
  - Compatible package paths.
  - Correct URI put in the customized XSL stylesheets.

* Better table support:
  - Verbatim (litterallayout, address, synopsis, classsynopsis) in tables
    now work.
  - Informaltable nesting is possible.
  - Basic <entrytbl> support.
  - Better @valign support.
  - Column, row and entry can be coloured in tables by using
    <?dblatex bgcolor="..."?>. The alternative hhline package can be used to
    have row lines properly printed (newtbl.use.hhline='1')
  - Basic support of @float and @floatstyle in <table>.

* Minor imageobject/figure improvements:
  - Basic support of @float and @floatstyle in <figure>.
  - Possibility to use imageobject/@role='dblatex' to select the image to
    process.
  - Alternative <imageobject>s in a <mediaobjectco> are supported (DocBook 5).

* Some cleanups and bug fixes.
  - latex compilation cycle bug fix.
  - logparser bug fix (rerun for table)
  - dbk_fonts.sty now contains the font setup
  - coref/@linkend fix.
  - user manual documentation reorganized
  - PDF manual installed in a proper way
  - Debian manpage added to the package and used in the dblatex manual
  - latex.figure.boxed parameter changed to imagedata.boxed
  - latex.figure.position parameter changed to figure.default.position
  - table.default.position added
  - table counter bug fix
  - <filename> in section title bug fix
  - mklistings.xsl: URI fix when the path contains some spaces
  - imagedata.py: robust to paths containing spaces
  - \vdots supported in MathML


Release 0.2pre:
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* Major change: publishing code (except XSL) is re-written in Python. Perl,
  GNU make and shell scripts are no more used.

* Minor improvements:
  - list @continuation, @numeration, @spacing attributes now handled.
  - filename.as.url parameter added to avoid forced hyphenation with spurious
    '-' characters.

* Bug fixes:
  - <alt> not printed in verbatim mode, and only in <*equation> elements.
  - Entities &#8217; and &#8230; correctly mapped.
  - db2latex.sty, docbook.sty: uses \examplename (locale).
  - <uri>, <tag> defined.


Release 0.1.10:
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* Minor improvements:
  - Special 'maxwidth' and 'maxheight' imagedata.default.scale setup added.
  - glossterm.auto.link={0|1} parameter added.
  - Add bookinfo spanish locale.

* Bug fixes:
  - Scripts handle correctly spaces in file paths (Debian bug [1]).
  - Itemize fix, to be compatible with french babel (Debian bug [2]).
  - Multiple copyrights correctly handled (Debian bug [3])
  - Latex files cleanup (remove pslatex, epsfig, etc. Debian bug [4]).
  - Several paragraphs correctly handled in table cells.
  - Cross-references, like <xref> or <link>, correctly handled in table cells.
  - <ulink> with URL containing the character '#' correctly handled in table
    cells.


[1] http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=366721
[2] http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=374215
[3] http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=374212
[4] http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=376418


Release 0.1.9:
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* Minor improvements:
  - make.year.ranges and the make.single.year.ranges parameters added.
  - equations without title are now latex equations (not formula in a float).
  - xref to <varlistentry> or <term> now works.
  - newtbl is updated and becomes the default table implementation used.
    It now handles some tricky cell spanning cases.

* Bug fix:
  - en.xml: chapter en appendix xref labelling fix.
  - de.xml: nested quotes fix.
  - dbk_hyper.sty: PDF compilation test fix (use of the package ifpdf).
  - texclean: <xt> parsing recoded to make it safer.
  - texclean: handle entities in table cells.
  - texclean: \pm added.
  - db2latex.sty: equation counter level fix (set to chapter instead of article)
  - bug fix about the text of a link to a <term> containing <ulink> or <link>
  - qandaset.xsl: wrong test to close a list
  - verbatimco.xsl, mklistings.xsl: correct identifier to listing
  - xref.xsl: escape characters of refname cross-reference
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Release 0.1.8:
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* Minor improvements:
  - doc.alignment parameter added. It defines the text alignment for the whole
    document.
  - Better programlisting, screen support:
    inlinegraphic[@format='linespecific'] is handled.
  - The book or article wrapper inherits from the root element information.
  - Better newtbl table support: the case colwidth="1em+5*" is correctly handled.
  - xref to refnamediv is now possible.
  - imagedata.file.check parameter added. It checks if the referenced image file
    exists. If not, the mediaobject alternative (textobject) is used. Set to 1
    by default. (equation.[001-004])
  - titleabbrev.in.toc parameter added. When set to 1 the titleabbrev content
    is put in the TOC instead of the title. Set to 1 by default. (article.[004-005])
  - dblatex does not convert images when output is latex only.
  - GIF images are converted on the fly to PDF.
  - <emphasis role="underline"> is supported.
  - <trademark class="service"> is supported.
  - set.book.num parameter added. When the root element is a set, this
    parameter can be used to select the book to print. Set to 1 by default.
  - doc.lot.show parameter added, to ask for printing some LoTs. The value is
    a comma separated list that can contain "figure", "table", "equation",
    "example". The order of the names is the order of the LoTs.
    Example:
    doc.lot.show=figure,table asks for printing only the List of Figures and the
    List of Tables, in this order.
  - qandaset.defaultlabel parameter added to define a default label when the
    attribute is not defined. Default is 'number'.
  - <bibliolist> support.
  - Automatic biblioentry abbreviation used if <abbrev> and @id are not defined.
  - date removed from the native style cover page

* Bug fix:
  - COPYRIGHT: contains LGPL text to respect the Debian constraints
  - db2latex.sty: to have \RaggedRight working
  - dbk_graphic.sty: wrong \imgheight setting
  - sections.xsl: section level is now correct under an appendix within an
    article
  - mediaobject.xsl: imageobjectco is now handled when embedded in a
    mediaobject.
  - mediaobject.xsl: having both contentwidth="x%" and contentdepth="y%" is
    now possible. @entityref used before @fileref.
  - mediaobject.xsl: having @width or @depth and @scalefit=1 is now considered
    as if the image with its natural size is in a viewport defined by width
    and/or depth.
  - runlatex: compile twice to have the correct number of pages when there is an
    index.
  - docbook.sty: an index in an article is correctly handled.
  - lists.xsl: simplelist[@inline] bug fix. Weird vertical space removed
  - lists.xsl: list nesting depth is now checked, to prevent latex compilation
    crash. (orderedlist.004, orderedlist.005)
  - dbk_item.sty: include enumerate package to handle orderedlist/@numeration.
  - sgml2xml.pl: empty anchor element supported.
  - biblio.xsl: a default title bibliography is provided (part.001)
  - xref.xsl, labelid.xsl: the titles can now contain things like xref, link,
    anchor, inlinegraphic or inlinemediaobject.
  - common/<lang>.xml: replace some unicode values by latex equivalent.
  - qandaset.xsl: the list environment used for numbered <qandaentry>s was
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      not properly used.
    - db2latex.sty, dbsimple.sty, docbook.sty: sidebar changed to an environment
      that can contain verbatim stuff. (lot.001)
    - xref.xsl: xref to a biblioentry is now the same as a citation


Release 0.1.7:
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* Callout support:
    - <programlistingco> and <screenco> supported, even for external files.
    - <mediaobjectco> supported.


* Better <programlisting> or <screen> support:
    - External files (eg, in <textdata>) are handled.
    - literal.lines.showall parameter added, to remove the empty last
      lines, when set to 0. Set by default to 1.


* Legalnotices are printed in the native docbook style.


* An abstract in an article is printed.


* Better <xref> support:
    - <xref> to a list with a title is possible.
    - <xref> to a refentry is possible.


* Other improvements:
    - term.breakline parameter added to have the <listitem> on a new line below
      the <term>.
    - Hyphenation forced for text using a typewriter font. Moreover the font is
      smaller.
    - doc.publisher.show parameter added, to print the dblatex logo on the cover
      page.
    - doc.pdfcreator.show parameter added, to have the fill the Creator field in
      PDF information section.
    - Running dblatex on a root element different from article or book does not
      fail anymore, except for <set>.


* Bug fixes:
    - dbk_table.sty: make \@xmultirow long.
    - sgml2xml.pl: empty textdata element handled.


Release 0.1.6:
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* Better <figure> and <informalfigure> rendering:
    - consistent behaviour, where captions and title are printed separately.
    - possibility to ask for title below or above the image (parameter
      figure.title.top).
    - possibility to change the caption style (parameter
      mediaobject.caption.style).
    - imagedata.default.scale parameter added to have a default scaling rule
      applied on every imagedata that contains no scaling attribute. In particular
      when set to 'pagebound' the images keep their natural size up to the page
      boundaries.


* Better <programlisting> and <screen> rendering, thanks to the listings.sty
  package possibilities:
    - all the attributes are supported.
    - a default rendering layout is proposed.
    - long lines are wrapped.
    - literal.width.ignore parameter added.
    - literal.layout.options parameter added to overwrite the default verbatim
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      style.

* Minor improvements:
  – seg.item.separator parameter added to let the user choose the separator
    between several <segitem>s.
  – a breakline is forced after a <term> when it is followed by a list.
  – caption position can be choosed for tables (parameter table.title.top).
  – \nopagebreak put after list titles.
  – a FAQ section (quite small for the moment) added to the manual.
  – bibtopic.sty provided for convenience.

* Bug fixes:
  – texclean: caret ('^') handled correctly
  – texclean: bug in removing extra breaklines
  – texclean: table header parsed correctly
  – dblatex: compilation with some parameters (option -P) on a doc using MathML
    fails.
  – biblio.xsl: biblioentry/edition escaping done.
  – inlined.xsl: <errortext> added.
  – inlined.xsl: the arrow separating <guimenu> and <guimenuitem> is changed
    to a real LaTeX arrow.
  – misc.xsl: removing unexpected latex package inclusion (a4wide).
  – dbk_biblio.sty: removing unexpected latex package inclusion (fancyhdr).
  – lists.xsl: <term> is more robust, with the <term> content enclosed by { }.

Release 0.1.5:
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* dblatex supports the new option -T <target_style>. It specifies which
  latex style is to be used for format the output. The default available
  latex styles are:
  – simple: the rendering is very close to original latex rendering
  – native: the rendering is the original rendering used to produce the
    manual (default one)
  – db2latex: the rendering tries to be as close as possible to the
    DB2LaTeX formatting.

* The configure script can select the default latex style to use with the
  option --target:
  Example:
  ./configure --prefix=/where/to/install --target=simple

* The use of make instead of gmake is now detected by configure.

* Other changes:
  – possibility to define the figures to use in admonitions,
  – \textregistered and \copyright robustness improved,
  – <legalnotice> support,
  – <footnote> support improved: it can be used in <term>s and in <title>s,
  – better <subscript> and <superscript> support,
  – <caption> in <mediaobject> is displayed (when <figure> not used)
  – <pubdate> and <copyright> mapped to latex macros
  – <xref> works in <term>s
  – parameter latex.class.options added
  – texclean optimisation, to convert a figure only once
  – bug fix in specread (XslParam parsing)
  – native table improvement (support any size units)

Release 0.1.5pre:
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* Any document language should be well supported, since babel is now included
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  for the related language.

* Some latex rendering aspects are removed from the XSL stylesheets (they should
  never have been in these stylesheets): \parindent value, \parskip value,
  \thispagestyle{fancy} for pages containing chapters.

* The following XSL parameters are added:
  - latex.babel.use={0|1(default)}: set to 0 the babel package is not included
    whatever the document language is.
  - latex.babel.language: empty by default, this parameter forces the use of
    the specified babel language whatever the document language is.
  - newtbl.use={0(default)|1}: set to one use the David Hedley table support
    (very good and no Perl parsing needed).

* New table support, completely re-written by David Hedley. One can use this
  new XSL table code by setting the parameter newtbl.use=1.

* XML source files with any extension are correctly handled. Previously one
  needed to give XML files with extension .xml.

* &ndash; and &mdash; entities support (texclean).

* Bug fixes:
  - <indexterm> were not put under their alphabetical letter.
  - <indexterm> special characters '@', '!', '|' correctly handled.
  - <personname> is now supported.
  - <ulink> URL hyphenation is now correctly handled.
  - <ulink> without text is correctly handled (use of @url content).
  - template "scape" was defined twice (it fails with recent xsltproc).
  - <refentrytitle> and <refname> correctly handled.
  - patch for colortbl package bug (latex/3797)
```