

Utroff troff to xml tools

Build xml file from troff document

(Beta version : user interface may change)

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Troffxml readme

Presentation

Troffxml provide a solution to build an xml file from a troff document that rely on *nroff*. A *nroff* macro (for example *ux*, from *utmac*) is used to build a flat text of the document which contain tags that a postprocessor (*postxml*) will convert to xml. A preprocessor (*prexml*) escape these tags if they are present in the source document. A final pipe program (*trxttr*) will translate the xml file to a famous xml format.

Build and install

To build and install, edit the file *config.mk* from the root directory, and run :

```
| make install
```

In some circumstances, you might need utroff tools themselves to build the manual pages. In that case, build and install binaries before manual pages like this :

```
| make installbin  
| make installman
```

You can uninstall files and clean the working directory :

```
| make uninstall  
| make clean
```

For a more complete description of the build process, look at the README in the root directory.

License

Troffxml and its documentation are distributed under a two clause BSD license ¹.

Help and bugs

Don't hesitate to ask questions at help at utroff dot org. Please, send bugs and patches at help at utroff dot org.

¹ See p. 8.

Prexml and postxml manual

Name

prexml postxml – *nroff* processors to build xml files.

Synopsis

```
@BINDIR@/prexml < file.tr | nroff -mux | @BINDIR@/postxml > file.xml
```

Description

Postxml provide a solution to build an xml file from a troff document that rely on *nroff* itself. Since *nroff* build a plain text file from a troff document, it can be used, with an appropriate macro, to produce an intermediate file that *postxml* will translate to xml.

That intermediate file contain tags that *postxml* will transform to xml tags. If these tags are present in the source file, and need to be printed as is, *prexml* simply escape these tags so that *postxml* won't substitute them.

Since the final xml file might contain utf-8 characters, the **-Tlocale** option of *nroff* must be used.

prexml and *postxml* are provided with the **ux** macro that insert tags in an **utmac** document.

So, the command line could be :

```
| prexml < file.tr | nroff -Tlocale \  
| -mux | postxml > file.xml
```

Tags

Postxml

Postxml will substitute the following tags.

```
#[      Replaced by <.
#]      Replaced by >.
#(      Replaced by &.
#)      Replaced by ;.
#`      Replaced by #.
\n#-\n  Removed from stream.
```

So the following text :

```
| Some text  
| #-  
| #[a#]  
| #-  
| note text  
| #[/a#]  
| #(lt#).
```

Will be transform in :

! Some text<a>note text <

Prexml

All these tags will be escaped by *prexml* if they are present in the original file, following these rules :

#[Replaced by #~[.
#] Replaced by #~].
#(Replaced by #~(.
#) Replaced by #~).
#~ Replaced by #~~.
\n#\n Replaced by #~-.

Files

@BINDIR@/prexml @BINDIR@/postxml

See also

nroff(1) , trxtr(1)¹.

License

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Help and bugs

Don't hesitate to ask questions at help at utroff dot org. Please, send bugs and patches at help at utroff dot org.

Author

Written by Pierre-Jean FICHET.

¹ See p. 5.

² See p. 8.

Trxtr manual

Name

trxtr – Troff xml translator.

Synopsis

trxtr *stylesheet* < *infile.xml* > *outfile.xml*

Description

Trxtr is a simple shell script which use *xsltproc* to translate an xml file produced by the *ux* nroff macro and *postxml* to some other xml file. *trxtr* has been made to be used at the end of a nroff pipe :

```
| prexml < f.tr | nroff -Tlocale -mux | \  
| postxml | trxtr fodt > f.fodt
```

Current stylesheets are : *html*, for xhtml document; *fodt*, for flat open document text; and *utroff.org*, which is used to build the website utroff.org¹.

Files

@*BINDIR*@/*trxtr* the shell script; @*XSLDIR*@/Directory containing stylesheets.

See also

nroff(1), postxml(1)², utmac.

License

Trxtr and this man page are distributed under a two clause BSD³ license.

Help and bugs

Don't hesitate to ask questions at help at utroff dot org. Please, send bugs and patches at help at utroff dot org.

Author

Written by Pierre-Jean FICHET.

¹ <<http://utroff.org>>

³ See p. 8.

² See p. 3.

Changes of troffxml

2013/10/30 20 :27 :47 VERSION-0.9

- troff files : fix link to license.

2013/10/30 16 :32 :24 VERSION-0.8

- makefile : FIX : scripts are in BIN variables. Files to strip are in STR variable.

2013/10/30 15 :06 :10 VERSION-0.7

- makefile : Use new build system.
- utroff.org.xsl : Use @PUBURL@ variable instead of @TUXFAM@.

2013/04/07 18 :01 :40 VERSION-0.6

- makefile : s/ROOT/DESTDIR/g (bug report by Seb).
- utofodt.xsl, utohtml.xsl, utroff.org.xsl : Add definition for PB tag (left extended paragraph). PL tag now means left align paragraph.
- utohtml.xsl, utroff.org.xsl : Define xhtml strict doctype (bug report by Seb).

2013/04/05 10 :26 :17 VERSION-0.5

- utroff.org.css, utroff.org.xsl : Use new awesome font, with F and T characters.
- utroff.org.css : small bug and typo fix.

2013/04/04 17 :10 :54 VERSION-0.4

- xsl files : use <UTMAC> as root instead of <HLM>.
- utroff.org.css : Add p.centered.
- utroff.org.css, utroff.org.xsl : Use @TUXFAM@ to define url for tuxfamily download repository.
- utroff.org.xsl : Always define a title, even if DT is not defined.
- utroff.org.xsl : Transform <DI> to <meta Id="...">
- utroff.org.xsl : Various typo fix.
- makefile : chmod 644 xsl and css files.
- utroff.org.css : Add font support for various browsers, including firefox which does not allow cross domain in css.

2013/03/31 19 :26 :57 VERSION-0.3

- xsl files : use <UTMAC> as root instead of <HLM>.
- utroff.org.css : Add p.centered.
- utroff.org.css, utroff.org.xsl : Use @TUXFAM@ to define url for tuxfamily download repository.
- utroff.org.xsl : Always define a title, even if DT is not defined.
- utroff.org.xsl : Transform <DI> to <meta Id="...">
- utroff.org.xsl : Various typo fix.
- makefile : chmod 644 xsl and css files.
- utroff.org.css : Add local font for firefox which does not allow cross domain in css.

2013/03/24 17 :26 :49 VERSION-0.2

- utroff.org.xsl, utroff.org.css : use new website url.
 - utroff.org.xsl : add flattr and twitter links.
-

2013/03/22 16 :43 :47 VERSION-0.1

- Initial revision.
-

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