

xtpxlib-xdoc

An xtpxlib component for generating documentation

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0 Documentation generation with xtpplib-xdoc

xtpplib-xdoc is a component for generating documentation. It uses [DocBook 5.1](#) + additional markup and has (currently) PDF and XHTML as output formats. It can also generate component documentation sites.

xtpplib-xdoc is part of the **xtpplib** library. **xtpplib** contains software for processing XML, using languages like XSLT and XProc. It consists of several separate components, named **xtpplib-***. Everything can be found on GitHub (<https://github.com/xatapult>). The core component of **xtpplib** is [xtpplib-common](#). Most components will be accompanied by a GitHub pages documentation site ([TBD](#)).

xtpplib-xdoc is created by:



1 Introduction

1.1 Installing and running xtpplib-xdoc

[TBD]

1.2 How does xtpplib-xdoc work?

[TBD] xdoc to docbook to ...

The `xtpplib-xdoc` module uses DocBook 5.1 as its target vocabulary. However, it does not implement the full standard (which is huge!) but only those elements/attributes that were deemed necessary. The `xtpplib-xdoc` component adds several extensions which are tested by running this document through the conversion pipelines. This means it also serves as partial documentation and example.

2 Code documentation

2.1 XProc 1.0 pipeline: xdoc-to-componentdoc-website.xpl (xdoc:xdoc-to-componentdoc-website)

File: xpl/xdoc-to-componentdoc-website.xpl

Creates a documentation website for a component from an xdoc book style document. Relative names are resolved against the base URI of the *source document*.

Port	Tp.	Pr?	Description
source	in	*	The DocBook source with xdoc extensions to create the website from
result	out	*	TBD???

Option	Rq?	Default	Description
component-name	*		The name of the component (e.g. xtpxlib-xdoc) for which the documentation is generated.
global-resources-directory		()	The name of the subdirectory that contains global resources (resources used for documenting a group of components).
href-parameters		()	Reference to an optional document with parameter settings. See the xtpxlib-common parameters.mod.xsl module for details.
href-template	*		TBD
output-directory	*		The name of the output directory for the generated website.
parameter-filters		()	Filter settings for processing the parameters. Format: "name=value name=value ..."
resources-subdirectory		()	The <i>relative</i> name of the subdirectory that contains specific resources (like CSS, images, etc.) for this component.

3 xdoc transforms

[TBD]

4 DocBook dialect

[TBD]