pankyll-pandoc README

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1 Abstract

This document briefly describes the aim and contents of **pankyll-pandoc**. The goal of **pankyll-pandoc** is to add functionality to pankyll by providing Lua filters, LaTeX and Markdown templates for pandoc and configuration that can be used by pankyll to create e.g. PDFs or to count the words of a Markdown document.

As you can see below, running pandoc can involve a plethora of command line options. Even though parts of this repository are designed for and can be used without pankyll, like the LaTeX template, once pankyll is set up, it is usually more convenient to use pankyll to generate PDFs.

license GPL-3.0   issues 0 open   code size 4.11 kB

repo size 140 kB   last commit today

2 Introduction

The goal of **pankyll-pandoc** is to add functionality to **Pankyll** by providing configuration, filters and templates to **Pandoc**. The template `toc.markdown` filters a table of contents for a given markdown file. The `pankyll.latex` template is used to convert a Markdown page into a PDF. The word count function is implemented by the **Pandoc** filter `word-count.lua`, which is usually more accurate than the self parsing of Markdown files. The `links-md-to-html.lua` filter replaces inline Markdown links with links to HTML pages. And the `replace_verbatim_with_lstlisting.lua` dispatches two different verbatim environments. All filters require a newer Pandoc version to work and have been successfully tested with **Pandoc** `v2.2.1` and `v2.10.1` and **texlive** 2017, 2020 and 2022. Pandoc `v2.18` seem not to work.

3 Usage

3.1 Filters

```
pandoc -t html5 -o out.html --lua-filter=links-md-to-html.lua in.md
pandoc -o out.pdf --lua-filter=replace_verbatim_with_lstlisting.lua in md
pandoc -t gfm --lua-filter=word-count.lua in.md
```

3.2 Templates

This command creates the file `README.pdf` from the Markdown source `README.md` using 2 filters and the `pankyll-pandoc` template.

```
pandoc -f 'markdown+implicit_header_references+blank_before_blockquote\
+fenced_code_blocks+backtick_code_blocks+fenced_code_attributes\
+line_blocks+definition_lists+simple_tables+table_captions\
+multiline_tables+pipe_tables+yaml_metadata_block+strikeout+superscript\
+subscript+shortcut_reference_links+implicit_figures+link_attributes\
+footnotes+inline_notes+emoji+autolink_bare_uris' --verbose --toc \
--number-sections --from 'markdown+implicit_header_references\
+blank_before_blockquote+fenced_code_blocks+backtick_code_blocks\
+fenced_code_attributes+line_blocks+definition_lists+simple_tables\
```

```
+table_captions+multiline_tables+pipe_tables+yaml_metadata_block\
+strikeout+superscript+subscript+shortcut_reference_links\
+implicit_figures+link_attributes+footnotes+inline_notes+emoji\
+autolink_bare_uris' --to latex --standalone --highlight-style zenburn \
-V 'lang:en-US' -V 'papersize=a4' -V 'fontsize=12pt' \
-V 'documentclass=article' -V 'mainfont=Noto Sans CJK JP' \
-V 'sansfont=Noto Sans CJK JP' -V 'monofont=WenQuanYi Micro Hei Mono' \
-V 'monofontoptions=BoldFont={Noto Sans Mono CJK JP Bold}' \
-V 'linkcolor=Violet' -V 'citecolor=Green' -V 'urlcolor=MidnightBlue' \
-V 'toccolor=Gray' -V 'pagestyle=headings' \
--template=templates/pankyll.latex --pdf-engine=xelatex \
--fail-if-warnings \
--lua-filter=filters/replace_verbatim_with_lstlisting.lua \
--lua-filter=filters/links-md-to-html.lua -o README.pdf README.md
```

For some reason the long list of backslashes (\) does not work, remove them and run this command in one line or use the Makefile via `rm README.pdf;make README.pdf` It was tested with pandoc 2.10.1 and texlive 2017, 2020 and 2022.

4   Known Bugs

4.1   Pandoc v2.18

Pandoc v2.18 will fail with the `lua` error:

```
1  Error running filter filters/replace_verbatim_with_lstlisting.lua:
2  filters/replace_verbatim_with_lstlisting.lua:25: attempt to index a nil \
3  value (field 'c')
```

5   History

Version	Date	Notes
0.1.3	2023-03-15	Improve writing, mv History, Copyright year, Bugs
0.1.2	2022-05-30	History, -changes, introduction, rm dupl. license, +usage sec., +PDF, links, +Makefile
0.1.1	2020-05-13	Fix TOC feature
0.1.0	2020-03-22	Initial release

6 Author

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7 License And Copyright

```
1  Copyright (C) 2020, 2022 - 2023 by Christian Külker, see LICENSE file.
```