



Publishing with Amusewiki

Oslo, Nordic Perl Workshop 2018

Marco Pessotto (melmothX)

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amusewiki.org

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Contents

About me: Marco Pessotto	5
Main features	5
Overview	5
Sample page	5
Sample imposed PDF (more schemas available)	5
Sample EPUB (on Firefox, Epubreader plugin)	5
Sample Slides	5
Upload a text (with an HTML importer)	7
Editing	7
Ready to publish?	7
Checking	7
Publish (tailing a background daemon)	7
Done	7
Source sample	7
Modules and offline tools	11
Web Frontend	11
Powerful and fast faceted search, powered by Xapian	12
Static but functional mirror	12
Bookbuilder	12
Imposer	12
Fine tuning for formats	12
Any time left? Debian packages	12
Debian packages cons	13
Debian packages pros	13
Questions?	16

AmuseWiki

Archive More Bookbuilder (1)

Edit site configuration / Custom formats for amusewiki.org / plain PDF

Edit format plain PDF

Name: plain PDF

Description: Standard format. Changes to these fields will be ignored: format:pdf imposed:0 twoside:0

PDF Slides EPUB

Please select the desired fonts Keep in mind that some character may be missing in the required font. Missing character will be

Please choose the main font: TeX Gyre Pagella

Please choose the sans font: CMU Sans Serif

Please choose the mono font: CMU Typewriter Text

Please choose the font size: 10 pt

Choose a paper format (if you want to use a custom size, you need to set both width and height): Generic (fits in A4 and Letter)

Width: Standard Height: Standard

Division factor (Higher division factor means narrower margins): 13

- Much smaller installation footprint (mostly because the texlive installation is optimized and shared)
- Improved security
 - code is installed and owned by root, not by the user running the application
 - debian is taking care of the security updates of the dependencies (not only the perl dependencies, but also the libraries used by LaTeX, cgit and other utilities)
- 0 downtime upgrades out of the box
- Predictability of locations and module versions (so gets more live testing)

Questions?

Thanks!

About me: Marco Pessotto

PAUSE id MELMOTHX

IRC melmothX on Libera Chat and irc.perl.org

E-mail melmothx@gmail.com

Homepage <https://amusewiki.org>

IRC channel <irc://irc.libera.chat/#amusewiki>

GitHub <https://github.com/melmothx>

Background Humanities (history and translations)

Main features

- Flat file storage, under Git
- Each text is stored in a single, self-contained, text file
- Rich range of output formats (PDF, Epub, HTML)
- Don't lock the users in: high decoupling (single text / archive / application)
- A comprehensive test suite
- Packaged for Debian: <http://packages.amusewiki.org>

Overview

Sample page

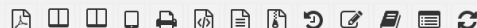
Sample imposed PDF (more schemas available)

Sample EPUB (on Firefox, Epubreader plugin)

Sample Slides

- Amusewiki can be used to produce slides as well
- You are looking at them :-)

Title: The Text::Amuse markup manual
Subtitle: The writer's guide
Authors: John Wiegley, Marco Pessotto, Michael Olson
Date: 2018
Publication date: Jan 28, 2018
Topics: Documentation, How-To



The Text::Amuse markup manual

The writer's guide

The Muse markup

Paragraphs

Centered and right aligned paragraphs and quotations

Source

Literal paragraphs

Line breaks

Page breaks

Levels of headings

Fourth level, a "subsection"

The example of levels

Direction at the beginning of a document

Normal text.

- Level 1, bullet item one
 - 1. Level 2, enum item one
 - 2. Level 2, enum item two
 - Level 1, bullet item two
 - 1. Level 2, enum item one
 - 2. Level 2, enum item two
 - i. Level 3, enum item i
 - ii. Level 3, enum item ii
 - 3. Level 2, enum item three
 - Back to Level 1, third bullet
 - a. Level 2, enum item "a"
 - b. Level 2, enum item "b"
 - 1. Level 3, enum item "T"
- One term description
Another term description
- Back to the bullets

Breaking list items

If you want to break up a line within any list type, just put one blank line between the end of the previous line and the beginning of the next line, using the same amount of initial indentation.

Keep in mind that if you put random indentation you'll get random and probably unexpected results (but it should not crash — if it does, please contact me).

Also, you can be lazy with numbered list. The parser actually doesn't care if you number them properly, or just do something like that.

1. first

28

Named anchors

If you start a line (regardless of the indentation) with a word prefixed by an hash, e.g. #anchor — where anchor can be any (ASCII) word that starts with a letter and contains only ASCII letters, digits and dashes — it defines an anchor at that point into the document. This point can be referenced using "#anchor" as the target in a Muse link.

If you need to start a line with an hash, wrap it in <verbatim> E.g.

```
<verbatim>#hashtag</verbatim> verbatim.  
~#hashtag~ verbatim as code.
```

Yielding:

```
#hashtag verbatim. #hashtag verbatim as code.
```

The support for this feature was introduced in Text::Amuse version 0.70 and improved in 0.82. Compatibility with Emacs Muse was restored in version 1.10, released on April 23, 2018, allowing text material on the same line of the anchor.

Example:

```
#title My text
```

```
#badanchor
```

This is not an anchor, it's part of the header with a dummy name.

```
<br>
```

```
#begin
```

This will work.

```
#an-anchor At the beginning of the line.
```

```
<verbatim>#hashtag</verbatim> verbatim.
```

45

8	5	6	7
---	---	---	---

1x8x2: Fixed 16 pages signatures on a single sheet, with triple folding. [See here for more details.](#)

5	12	6	8	7	10	11	9
4	13	16	1	2	15	14	3

EA-4x4: Fixed 16 pages signatures on 2 sheets, with double individual folding. [See here for more details.](#)

13	4	3	14	6	8	7	10
16	1	2	15	12	5	6	11


1x1: One page per sheet. This is useful only if you want to add the cropmarks








☒ Add crop marks to the PDF


Please select the size of each page including the crop marks, before the imposing (if you want to use a custom size,

A4

Width: Standard Height: Standard






(1)







Add a cover image (PNG or JPG)

Browse...
No file selected.

PDF
EPUB

Please select the desired fonts
Keep in mind that some character may be missing in the required font. Missing character will be reported.

Please choose the main font
Coelacanth

Please choose the sans font
Iwona

Please choose the mono font
Anonymous Pro

Please choose the font size
10 pt

Choose a paper format (if you want to use a custom size, you need to set both width and height)
A5
Width: Standard Height: Standard

Division factor (Higher division factor means narrower margins):
13

Binding correction in millimeters (additional inner margin):
0 mm

Directives at the beginning of a document
Correcting the hyphenation in the PDF output
Bold, italicized and monospace text, non breaking space.
Non-breaking space.
Footnotes
Secondary footnotes (support added in Text:Amuse 0.91, 2017-12-10)
Poetic stanzas
Lists
Breaking lists
Nested lists
Breaking list items
Complete example
List continuation
Generation of data tables
Floating tables
Hyperlinks with or without description (and images)
Images
Floating images and adjusting width
Examples
Inserting a horizontal line
Named anchors
Lines to omit from published output
Plays and bibliographies
Preventing the markup to be interpreted (verbatim)
Differences between Text:Amuse and Emacs

List continuation

If you need to start a list from an index different than 1, starting with Text:Amuse 0.90 (released on August 30, 2017), you can do so simply using it in the list. Indexes provided are so respected, unless they are the number 1. So the rule is: **if you need automatic numbering, just use 1. or a. or A. or i. or I., otherwise use your custom numbering.** Any other solution will be confusing and you can expect undefined behaviour.

b. This list with start with b
d. This will be "d" as well
3. This starts at 3
2. This is 2 as well.
iv. Roman iv.
1. Roman v. as 1. acts as automatic numbering
a. This will be e. because it's index 1 and continues the list (interrupted at d.)
a. This will be f. because it's incrementing the previous item.
1. Normal numeric
1. Normal numeric 2.
1. Normal numeric 3.
V. Roman V.
X. Roman X.

And results in:

b. This list with start with b
d. This will be "d" as well
3. This starts at 3
2. This is 2 as well.
iv. Roman iv.

Upload a text (with an HTML importer)

Editing

Ready to publish?

Checking

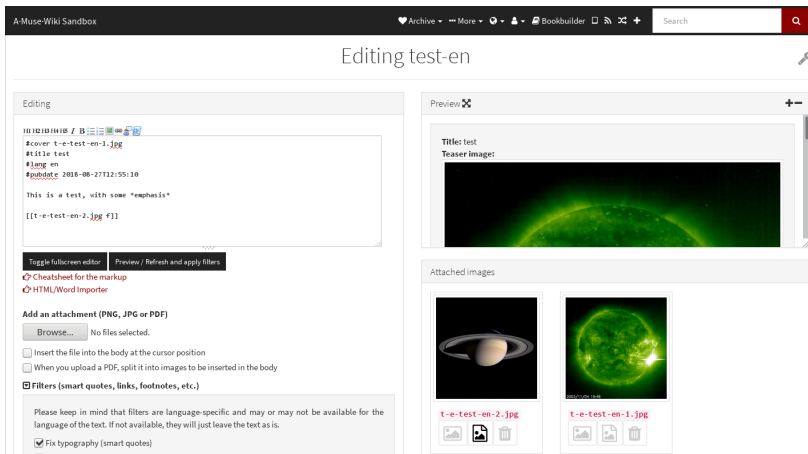
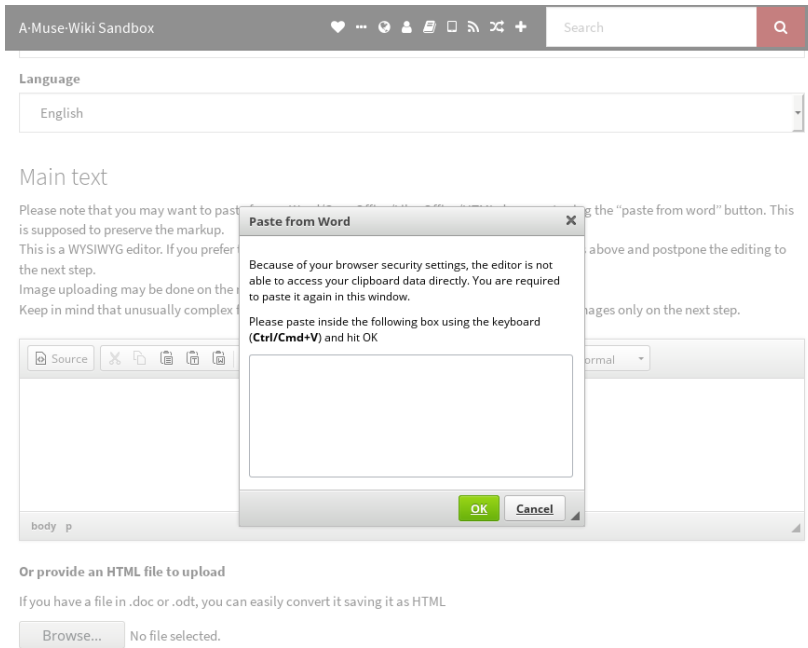
Publish (tailing a background daemon)

Done

Source sample

- Borrowed from Emacs Muse <https://www.gnu.org/software/emacs-muse/>
- Supported (read/write) by Pandoc <https://pandoc.org/>

```
#title My title
#author John Doe
#lang en
```



A-Muse-Wiki Titles Authors Topics

Titles (37)

Sorting: 12 11 Publication date Publication date

Version 2.2 [en] Topics: Releases		Aug 15, 2018 9 pp.
Mirroring a site running AmuseWiki [en] Topics: How-To		May 5, 2018 6 pp.
Migrations [en] Topics: How-To		Feb 18, 2018 2 pp.
Version 2.1 [en] Topics: Releases		Feb 18, 2018 9 pp.
The Text:Amuse markup manual [en] Authors: John Wiegley Marco Pessotto Michael Olson Topics: Documentation How-To		Jan 27, 2018 56 pp.
Offline tools [en] Topics: Documentation How-To		Dec 28, 2017 4 pp.
Commenting system [en] Topics: How-To		Dec 27, 2017 1 pp.
Site customization [en] Topics: Documentation How-To		Nov 26, 2017 2 pp.

you can visit <http://packages.amusewiki.org/> and follow the instructions there (import the key, add the repository, and install the package).

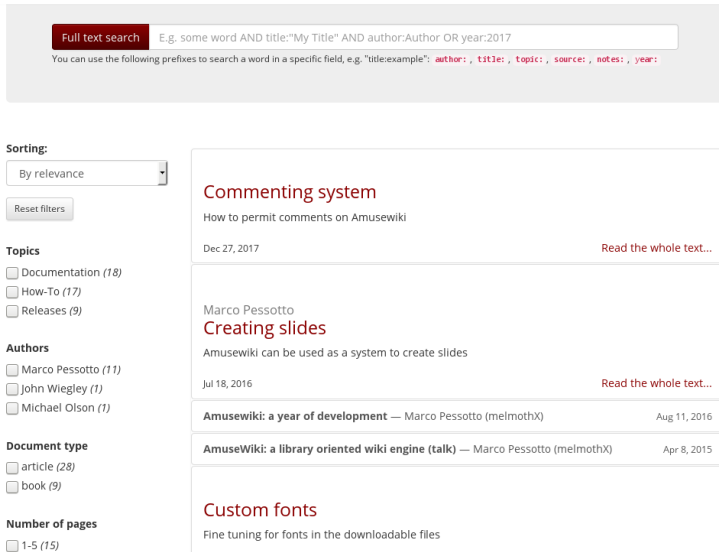
Minimum requirement: Debian Jessie and Ubuntu 16.04 LTS.
<https://github.com/melmothx/amusewiki-debian-packages>

Debian packages cons

- More burden on the developer
- Trivial changes require a package rebuild
- Needs to ship about 25 new packages (fonts and perl modules)
- Can't use fresh code from the module used without being too invasive.
- Debian people usually don't like private repositories

Debian packages pros

- Installation is straightforward
- Maintenance for the administrator is integrated in the regular apt-get routine



Powerful and fast faceted search, powered by Xapian

Static but functional mirror

```
wget -q -O - https://amusewiki.org/mirror.txt | \
  wget -x -N -q -i -
```

Bookbuilder

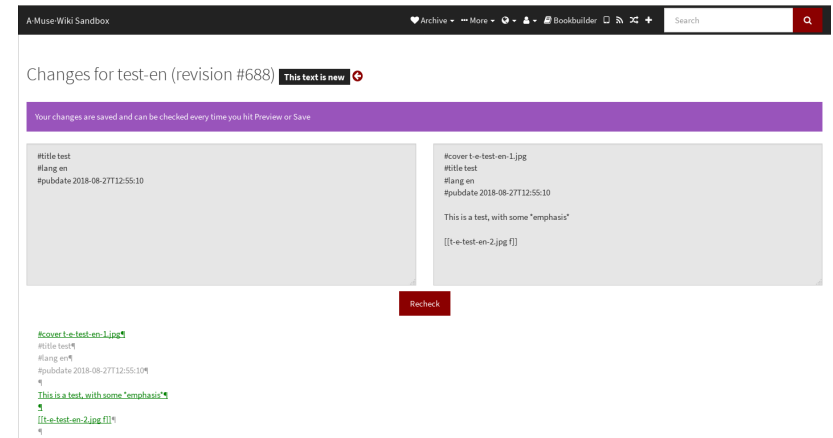
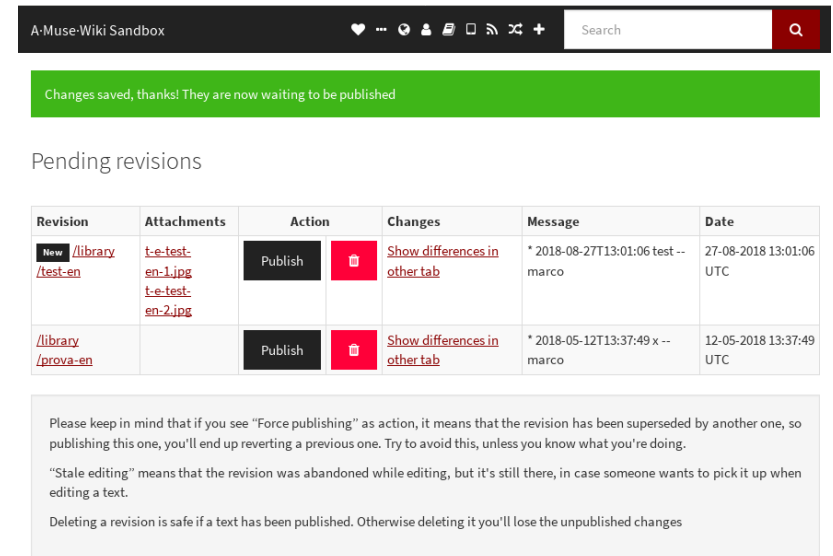
Tutorial available at <https://amusewiki.org/library/bookbuilder-tu>

Imposer

Fine tuning for formats

Any time left? Debian packages

Instead of running the app from the git tree on a dedicated home, with a `local::lib` tree or with a perl installed in the home, now





Status: completed
Changes applied

```
Job publish started at Mon Aug 27 15:03:11 2018
Inserting data for attachment ./repo/sandbox/t/te/t-e-test-en-2.jpg and generating thumbnails
Inserting data for attachment ./repo/sandbox/t/te/t-e-test-en-1.jpg and generating thumbnails
Working on test-en.muse file in ./repo/sandbox/t/te
* Created test-en.bare.html
* Created test-en.html
* Created test-en.epub
* Created test-en.tex
* Created test-en.zip
Inserting data for ./repo/sandbox/t/te/test-en.muse
Changing test-en status from editing to published
Updating test-en in Xapian db
Scheduled generation of /library/test-en.a4.pdf (A4 imposed PDF) as task number #149952
Scheduled generation of /library/test-en.lt.pdf (Letter imposed PDF) as task number #149953
Scheduled generation of /library/test-en.pdf (plain PDF) as task number #149954
Updating title and category sorting
Updated 14 records in 0 seconds
Scheduled static indexes generation
Job publish finished at Mon Aug 27 15:03:12 2018
```

Changes applied
Static page without javascript

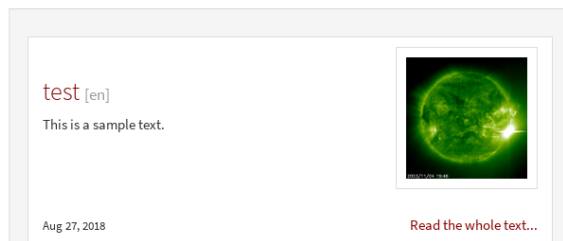


A·Muse·Wiki Sandbox

This is a sandbox and is meant to show the feature of this wiki engine.

You are free to try to edit, upload and publish texts. >>

Latest entries



** Chapter one

And **here** the **text** starts

1. Foo
2. Bar

Modules and offline tools

Text::Amuse The parser

Text::Amuse::Preprocessor Typographical filters (`muse-preprocessor.pl`) and HTML importer (`html-to-muse.pl`)

Text::Amuse::Compiler The compiler (`muse-compile.pl`)

PDF::Imposition The PDF imposer (`pdf-imposer.pl`)

PDF::Cropmarks Add cropmarks to the PDF (`pdf-cropmarks.pl`)

Web Frontend

Framework Catalyst

Layout Bootstrap

Multisite on one instance you can run as many sites you want

Database DBIx::Class (SQLite, MySQL, PostgreSQL) and DBIx::Class::DeploymentHandler for automatic upgrades

Templating Template Toolkit

Localization Danish, German, English, Spanish, Finnish, French, Serbo-Croatian, Italian, Macedonian, Dutch, Russian, Albanian, Swedish