

# AmuseWiki, yet another wiki engine

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# About me: Marco Pessotto

**PAUSE id** MELMOTHX

**IRC** melmothX on Freenode and [irc.perl.org](http://irc.perl.org)

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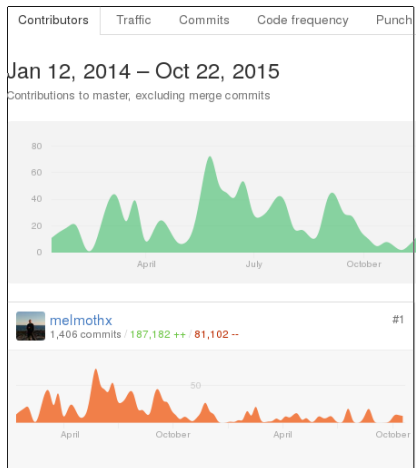
**Homepage** <http://amusewiki.org>

**IRC channel** <irc://chat.freenode.net/#amusewiki>

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

**Background** Humanities (history and translations)

# One man project



# Why?

Long term storage of texts in a clean form

Publishing texts providing the best possible reading experience.

# Yet another wiki engine

Flat file storage, one text maps to one file with all the metadata

Git backend

High-quality output: LaTeX

PDF imposing for printing

EPUB for e-reader and mobile

Bookbuilder to customize the output and create collections

HTML importer (supporting copy and paste from Word via ckeeditor)

Upcoming: slides and POD importer

## Source (Emacs Muse markup)

```
#title My title
#subtitle Another boring essay
#author John Doe
#topics boring things, another topic
#date October 22, 2015
#notes This was just a test
```

```
** Chapter one
```

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

# Text view

*AmuseWiki*



**Title:** The Text::Amuse markup manual  
**Subtitle:** The writer's guide  
**Authors:** John Wiegley, Marco Pessotto, Michael Olson  
**Date:** 2012  
**Topics:** Documentation, How-To



## The Text::Amuse markup manual

### The writer's guide

**The Muse markup**  
**Paragraphs**

Centered and right aligned paragraphs and quotations

# Bookbuilder

*A MuseWiki*



URI	Action
<a href="#">manual</a>	<input type="button" value="Move up"/> <input type="button" value="Move down"/> <input type="button" value="Delete"/>
<a href="#">remote-syncing</a>	<input type="button" value="Move up"/> <input type="button" value="Move down"/> <input type="button" value="Delete"/>
Total pages: 28	<input type="button" value="Clear the book list"/>

Please give a name to the collection. The name is always required, but used only if there are multiple texts.

Produce an EPUB instead of a PDF

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

Linux Libertine @ 10 pt

Choose a paper format

Generic (fits in A4 and Letter)

**Division factor** (Higher division factor means narrower margins)





## Home-brewed modules (available on CPAN)

`Text::Amuse` the parser

`EBook::EPUB::Lite` port to Moo of `EBook::EPUB`

`Text::Amuse::Preprocessor` the cleaner

`PDF::Imposition` prepare PDF for printing

`Text::Amuse::Compile` glues all together (CLI script provided)

# Web Frontend

**Framework** Catalyst

**Layout** Bootstrap

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

**Database** DBIx::Class

**Search** Xapian

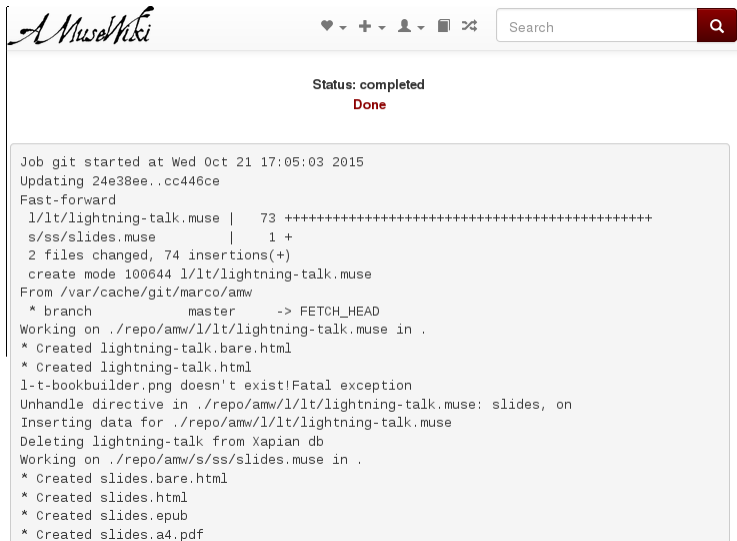
**Templating** Template Toolkit

**Localization** English, Italian, Croatian, Macedonian, Russian,  
Finnish, Swedish, German, Spanish.

**Users** peer-based.

# Git for the win

A daemon takes care of all the git-related operations where concurrency may be a problem.

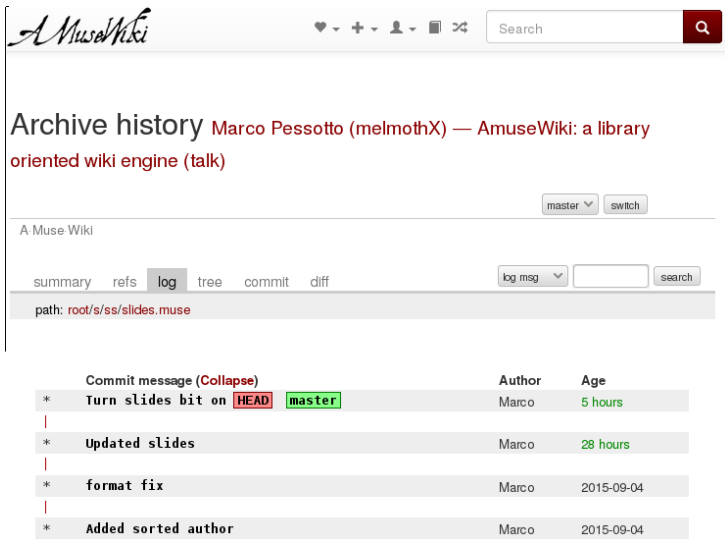


The screenshot shows a terminal window with a header bar containing the logo 'A MuseWiki', navigation icons, and a search box. The main content area displays the output of a git commit command, indicating a successful fast-forward merge. The commit message and file changes are as follows:

```
Status: completed
Done

Job git started at Wed Oct 21 17:05:03 2015
Updating 24e38ee..cc446ce
Fast-forward
 l/lt/lightning-talk.muse | 73 ++++++
 s/ss/slides.muse        |  1 +
 2 files changed, 74 insertions(+)
 create mode 100644 l/lt/lightning-talk.muse
From /var/cache/git/marco/amw
 * branch      master      -> FETCH_HEAD
Working on ./repo/amw/l/lt/lightning-talk.muse in .
 * Created lightning-talk.bare.html
 * Created lightning-talk.html
l-t-bookbuilder.png doesn't exist!Fatal exception
Unhandle directive in ./repo/amw/l/lt/lightning-talk.muse: slides, on
Inserting data for ./repo/amw/l/lt/lightning-talk.muse
Deleting lightning-talk from Xapian db
Working on ./repo/amw/s/ss/slides.muse in .
 * Created slides.bare.html
 * Created slides.html
 * Created slides.epub
 * Created slides.a4.pdf
```

# Cgit for recent changes



The screenshot shows the AmuseWiki Cgit interface. At the top left is the AmuseWiki logo. To its right are navigation icons: a heart, a plus sign, a person icon, a folder icon, and a refresh icon. Further right is a search bar with a magnifying glass icon. Below this is the page title "Archive history" followed by the repository name "Marco Pessotto (melmothX) — AmuseWiki: a library oriented wiki engine (talk)". Below the title are two buttons: "master" with a dropdown arrow and "switch". Below that is the text "A Muse Wiki". Below that are navigation tabs: "summary", "refs", "log" (which is active), "tree", "commit", and "diff". To the right of these tabs are a "log msg" dropdown, an input field, and a "search" button. Below the tabs is a path bar showing "path: root/s/ss/slides.muse". The main content area displays a list of commits with columns for "Commit message (Collapse)", "Author", and "Age".

	Commit message (Collapse)	Author	Age
*	Turn slides bit on <b>HEAD</b> <b>master</b>	Marco	5 hours
*	Updated slides	Marco	28 hours
*	format fix	Marco	2015-09-04
*	Added sorted author	Marco	2015-09-04

# Modes

private

blog

moderated wiki

open wiki

# Hey, tests!

[...]

t/zz-finish-tests.t ..... ok

All tests successful.

Files=73, Tests=2555, 646 wallclock secs

( 1.00 usr 0.16 sys + 368.93 cusr 17.74 csys = 387.8)

Result: PASS

# Questions?

Thanks!

<https://amusewiki.org>