

markdown2: A fast and complete implementation of Markdown in Python

🔄 625 commits

🌿 1 branch

📦 26 releases

👤 39 contributors

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Branch: master ▾


New pull request

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 nicholasserra Merge pull request #326 from MagTun/patch-1 ...

Latest commit 6bd1875 8 days ago

bin	switch to a stub runner script for bin/markdown2	11 years ago
lib	Don't auto link patterns surrounded by ""	3 months ago
perf	change the filename from "README.txt" to "README.md"	4 years ago
sandbox	Some old unfinished work towards Mako template language support that I	11 years ago
test	Add tests for triple quotes feature (from 7b259b9)	3 months ago
tools	Remove build alias fixes #323	a month ago
.gitignore	Ignore egg info	6 months ago
.travis.yml	Add support for Python 3.7	7 months ago
CHANGES.md	Changes and contributors	a month ago
CONTRIBUTORS.txt	Changes and contributors	a month ago
LICENSE.txt	Drop "Makefile.py" (a `mk` thing) and simplify to "Makefile".	7 years ago
MANIFEST.in	Add Wheel package support: Issue #228	7 months ago
Makefile	bump ver to 2.2.0, add 'make versioncheck' to ensure versions in sync	5 years ago
README.md	added the -m of the script usage	9 days ago
TODO.txt	Added markdown-in-html extra to Wiki.	4 years ago
setup.cfg	Remove build alias fixes #323	a month ago
setup.py	Merge pull request #304 from thombashi/wheel_support	6 months ago
tox.ini	Update tox envlist to follow currently supported Python versions	6 months ago

📄 README.md

Markdown is a light text markup format and a processor to convert that to HTML. The originator describes it as follows:

Markdown is a text-to-HTML conversion tool for web writers. Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid XHTML (or HTML).

-- <http://daringfireball.net/projects/markdown/>

This (markdown2) is a fast and complete Python implementation of Markdown. It was written to closely match the behaviour of the original Perl-implemented Markdown.pl. Markdown2 also comes with a number of extensions (called "extras") for things like syntax coloring, tables, header-ids. See the "Extra Syntax" section below. "markdown2" supports all Python versions 2.6+ or 3.3+ (and pypy and jython, though I don't frequently test those).

There is another [Python markdown.py](#). However, at least at the time this project was started, markdown2.py was faster (see the [Performance Notes](#)) and, to my knowledge, more correct (see [Testing Notes](#)). That was a while ago though, so you shouldn't discount Python-markdown from your consideration.

Follow [@trentmick](#) for updates to python-markdown2.

Travis-ci.org test status: build passing

Install

To install it in your Python installation run *one* of the following:

```
pip install markdown2
pypm install markdown2      # if you use ActivePython (activestate.com/activepython)
easy_install markdown2      # if this is the best you have
python setup.py install
```

However, everything you need to run this is in "lib/markdown2.py". If it is easier for you, you can just copy that file to somewhere on your PythonPath (to use as a module) or executable path (to use as a script).

Quick Usage

As a module:

```
>>> import markdown2
>>> markdown2.markdown("*boo!*") # or use `html = markdown_path(PATH)`
u'<p><em>boo!</em></p>\n'

>>> from markdown2 import Markdown
>>> markdowner = Markdown()
>>> markdowner.convert("*boo!*")
u'<p><em>boo!</em></p>\n'
>>> markdowner.convert("**boom!**")
u'<p><strong>boom!</strong></p>\n'
```

As a script (CLI):

```
$ python markdown2.py foo.md > foo.html
```

or

```
$ python -m markdown2 foo.md > foo.html
```

I think pip-based installation will enable this as well:

```
$ markdown2 foo.md > foo.html
```

See the [project wiki](#), [lib/markdown2.py](#) docstrings and/or `python markdown2.py --help` for more details.

Extra Syntax (aka extensions)

Many Markdown processors include support for additional optional syntax (often called "extensions") and markdown2 is no exception. With markdown2 these are called "extras". Using the "footnotes" extra as an example, here is how you use an extra ... as a module:

```
$ python markdown2.py --extras footnotes foo.md > foo.html
```

as a script:

```
>>> import markdown2
>>> markdown2.markdown("*boo!*", extras=["footnotes"])
u'<p><em>boo!</em></p>\n'
```

There are a number of currently implemented extras for tables, footnotes, syntax coloring of `<pre>` -blocks, auto-linking patterns, table of contents, Smarty Pants (for fancy quotes, dashes, etc.) and more. See the [Extras wiki page](#) for full details.

Project

The python-markdown2 project lives at <https://github.com/trentm/python-markdown2/>. (Note: On Mar 6, 2011 this project was moved from [Google Code](#) to here on Github.) See also, [markdown2 on the Python Package Index \(PyPI\)](#).

The change log: <https://github.com/trentm/python-markdown2/blob/master/CHANGES.md>

To report a bug: <https://github.com/trentm/python-markdown2/issues>

Contributing

We welcome pull requests from the community. Please take a look at the [TODO](#) for opportunities to help this project. For those wishing to submit a pull request to `python-markdown2` please ensure it fulfills the following requirements:

- It must pass PEP8.
- It must include relevant test coverage.
- Bug fixes must include a regression test that exercises the bug.
- The entire test suite must pass.
- The README and/or docs are updated accordingly.

Test Suite

This markdown implementation passes a fairly extensive test suite. To run it:

```
make test
```

The crux of the test suite is a number of "cases" directories -- each with a set of matching .text (input) and .html (expected output) files. These are:

tm-cases/	Tests authored for python-markdown2 (tm=="Trent Mick")
markdowntest-cases/	Tests from the 3rd-party MarkdownTest package
php-markdown-cases/	Tests from the 3rd-party MDTTest package
php-markdown-extra-cases/	Tests also from MDTTest package

See the [Testing Notes wiki page](#) for full details.