
sphinxcontrib-testbuild Documentation

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Test builds of Sphinx-based documentations, using Python.

This projects allows integration of Sphinx documentation builds in continuous integration platforms, so that you make sure documentation is ok.

For a live demo, see project's continuous integration reports at <https://travis-ci.org/benoitbryon/sphinxcontrib-testbuild>

RESSOURCES

- online documentation: <http://sphinxcontrib-testbuild.readthedocs.org>
- feedback, questions: <http://sphinxcontrib-testbuild.readthedocs.org/en/latest/about/community.html>
- bugtracker: <https://github.com/benoitbryon/sphinxcontrib-testbuild/issues>
- PyPI page: <http://pypi.python.org/pypi/sphinxcontrib-testbuild>
- code repository: <https://github.com/benoitbryon/sphinxcontrib-testbuild>
- continuous integration: <https://travis-ci.org/benoitbryon/sphinxcontrib-testbuild>

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2.1 Demo

This project uses its own documentation for demo and tests. Have a look at the [project's code repository](#) ¹:

- [docs/ folder](#) ² contains the documentation.
- [Makefile](#) ³ has a “test” target that runs sphinxcontrib-testbuild tests with nose.
- [etc/nose.cfg](#) ⁴ holds nose configuration.

See also [test reports on Travis-CI.org](#) ⁵.

2.1.1 References

2.2 Install

As an example, with pip:

```
pip install sphinxcontrib-testbuild
```

Note: If you want to setup a development environment, see *[Contributing to the project](#)*.

2.3 Usage

Here are guidelines about sphinxcontrib-testbuild usage.

2.3.1 Default: using conventions

sphinxcontrib.testbuild uses these conventions as default configuration:

- There is a Makefile with a “documentation” target in project's root folder.

¹ <https://github.com/benoitbryon/sphinxcontrib-testbuild/tree/master>

² <https://github.com/benoitbryon/sphinxcontrib-testbuild/tree/master/docs/>

³ <https://github.com/benoitbryon/sphinxcontrib-testbuild/tree/master/Makefile>

⁴ <https://github.com/benoitbryon/sphinxcontrib-testbuild/tree/master/etc/nose.cfg>

⁵ <https://travis-ci.org/benoitbryon/sphinxcontrib-testbuild/builds>

- Sphinx-based documentation is located in “docs/” folder relative to project’s root.
- There is a “docs/Makefile”, which contains `sphinx-build` executable location as `SPHINXBUILD` and build directory as `BUILDDIR`.

Run tests with Python’s standard `unittest`:

```
# cd path/to/your/project/, i.e. where there is a Makefile and a docs/
python -m unittest sphinxcontrib.testbuild.tests
```

Using `nosetests`:

```
bin/nosetests sphinxcontrib.testbuild.tests
```

2.3.2 Using a custom `SphinxBuildTestCase`

Extend and customize `sphinxcontrib.testbuild.SphinxBuildTestCase` class in some test suite of yours. Then run your test suite as usual.

2.4 About sphinxcontrib-testbuild

This section provides information about the `sphinxcontrib-testbuild` project itself.

2.4.1 Vision

As a documentation writer, I want to include documentation builds inside my continuous integration test suite, so that I’m aware of documentation build status.

`sphinxcontrib.testbuild` implements such tests for Sphinx, in Python.

WriteTheDocs

<http://docs.writethedocs.org> provides recipes and conventions about documentation. `sphinxcontrib.testbuild` has been created as part of the WriteTheDocs toolkit, as an implementation of “test your documentation builds” recommendation.

2.4.2 Alternatives and related projects

This document presents other projects that provide similar or complementary functionalities. It focuses on differences with `sphinxcontrib-testbuild`.

The authors aren’t aware of alternatives yet. If you know some, please *let us know* :)

2.4.3 Community

Feedback, questions? Let’s get in touch!

- Create issues on [project’s bugtracker](#) ⁶.
- Or contact *Authors and contributors* directly.

⁶ <https://github.com/benoitbryon/sphinxcontrib-testbuild/issues>

References

2.4.4 License

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2.4.5 Authors and contributors

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2.4.6 Changelog

0.2 (unreleased)

- Nothing changed yet.

0.1.3 (2013-06-04)

- Bug #2: improved compatibility with Python 2.6. Fixed ‘DocumentationBuildTestCase’ object has no attribute ‘assertGreater’ error.

0.1.2 (2013-02-14)

- Issue 1, fixed comparison of build times which led to AssertionError such as “AssertionError: ‘Thu Feb 14 20:32:44 2013’ not greater than ‘Wed Feb 13 22:32:17 2013’”.

0.1.1 (2013-02-06)

- Fixed distribution of sphinxcontrib package.

0.1 (2013-02-06)

- Initial release.

2.5 Contributing to the project

This document provides guidelines for people who want to contribute to the project.

2.5.1 Create tickets

Please use the [bugtracker](#) ⁷ **before** starting some work:

- check if the bug or feature request has already been filed. It may have been answered too!
- else create a new ticket.
- if you plan to contribute, tell us, so that we are given an opportunity to give feedback as soon as possible.
- Then, in your commit messages, reference the ticket with some `refs #TICKET-ID` syntax.

2.5.2 Fork and branch

- Work in forks and branches.
- Prefix your branch with the ticket ID corresponding to the issue. As an example, if you are working on ticket #23 which is about contribute documentation, name your branch like `23-contribute-doc`.
- If you work in a development branch and want to refresh it with changes from master, please [rebase](#) ⁸ or [merge-based rebase](#) ⁹, i.e. don't merge master.

2.5.3 Setup a development environment

System requirements:

- [Python](#) ¹⁰ version 2.6 or 2.7, available as `python` command.

Note: You may use [Virtualenv](#) ¹¹ to make sure the active `python` is the right one.

- `make` and `wget` to use the provided `Makefile`.

Execute:

```
git clone git@github.com:benoitbryon/sphinxcontrib-testbuild.git
cd sphinxcontrib-testbuild/
make develop
```

If you cannot execute the `Makefile`, read it and adapt the few commands it contains to your needs.

⁷ <https://github.com/benoitbryon/sphinxcontrib-testbuild/issues>

⁸ <http://git-scm.com/book/en/Git-Branching-Rebasing>

⁹ <http://tech.novapost.fr/psycho-rebasing-en.html>

¹⁰ <http://python.org>

¹¹ <http://virtualenv.org>

2.5.4 The Makefile

A `Makefile` is provided to ease development. Use it to:

- setup the development environment: `make develop`
- update it, as an example, after a pull: `make update`
- run tests: `make test`
- build documentation: `make documentation`

The `Makefile` is intended to be a live reference for the development environment.

2.5.5 Documentation

Follow [style guide for Sphinx-based documentations](#) ¹² when editing the documentation.

2.5.6 Test and build

Use the `Makefile`.

2.5.7 Demo project included

The *Demo* is part of the tests. Maintain it along with code and documentation.

2.5.8 References

¹² <http://documentation-style-guide-sphinx.readthedocs.org/>