
Test Builds

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Contents

1	conf.py	3
2	Test Builds	9
2.1	Scenarios	9
2.2	Tags	10
2.3	Addind a new scenario to the repository	10
3	Test a file with spaces	13

All contents of this documentation.

CHAPTER 1

conf.py

```
1  # -*- coding: utf-8 -*-
2
3  # Default settings
4  project = 'Test Builds'
5  extensions = [
6      'sphinx_autorun',
7  ]
8
9  latex_engine = 'xelatex' # allow us to build Unicode chars
10
11
12 # Include all your settings here
13 html_theme = 'sphinx_rtd_theme'
14
15
16
17
18 #####
19 #         auto-created readthedocs.org specific configuration         #
20 #####
21
22
23 #
24 # The following code was added during an automated build on readthedocs.org
25 # It is auto created and injected for every build. The result is based on the
26 # conf.py.tpl file found in the readthedocs.org codebase:
27 # https://github.com/rtfd/readthedocs.org/blob/master/readthedocs/doc\_builder/templates/
28 # ↪ doc_builder/conf.py.tpl
29 #
30
```

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```
31 import importlib
32 import sys
33 import os.path
34 from six import string_types
35
36 from sphinx import version_info
37
38 # Get suffix for proper linking to GitHub
39 # This is deprecated in Sphinx 1.3+,
40 # as each page can have its own suffix
41 if globals().get('source_suffix', False):
42     if isinstance(source_suffix, string_types):
43         SUFFIX = source_suffix
44     elif isinstance(source_suffix, (list, tuple)):
45         # Sphinx >= 1.3 supports list/tuple to define multiple suffixes
46         SUFFIX = source_suffix[0]
47     elif isinstance(source_suffix, dict):
48         # Sphinx >= 1.8 supports a mapping dictionary for multiple suffixes
49         SUFFIX = list(source_suffix.keys())[0] # make a ``list()`` for py2/py3
↳ compatibility
50     else:
51         # default to .rst
52         SUFFIX = '.rst'
53 else:
54     SUFFIX = '.rst'
55
56 # Add RTD Static Path. Add to the end because it overwrites previous files.
57 if not 'html_static_path' in globals():
58     html_static_path = []
59 if os.path.exists('_static'):
60     html_static_path.append('_static')
61
62 # Add RTD Theme only if they aren't overriding it already
63 using_rtd_theme = (
64     (
65         'html_theme' in globals() and
66         html_theme in ['default'] and
67         # Allow people to bail with a hack of having an html_style
68         'html_style' not in globals()
69     ) or 'html_theme' not in globals()
70 )
71 if using_rtd_theme:
72     theme = importlib.import_module('sphinx_rtd_theme')
73     html_theme = 'sphinx_rtd_theme'
74     html_style = None
75     html_theme_options = {}
76     if 'html_theme_path' in globals():
77         html_theme_path.append(theme.get_html_theme_path())
78     else:
79         html_theme_path = [theme.get_html_theme_path()]
80
81 if globals().get('websupport2_base_url', False):
```

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```
82 websupport2_base_url = 'https://readthedocs.org/websupport'
83 websupport2_static_url = 'https://assets.readthedocs.org/static/'
84
85
86 #Add project information to the template context.
87 context = {
88     'using_theme': using_rtd_theme,
89     'html_theme': html_theme,
90     'current_version': "test-paths-with-spaces",
91     'version_slug': "test-paths-with-spaces",
92     'MEDIA_URL': "https://media.readthedocs.org/",
93     'STATIC_URL': "https://assets.readthedocs.org/static/",
94     'PRODUCTION_DOMAIN': "readthedocs.org",
95     'versions': [
96         ("master", "/en/master/"),
97         ("latest", "/en/latest/"),
98         ("stable", "/en/stable/"),
99         ("3.0", "/en/3.0/"),
100        ("2.0", "/en/2.0/"),
101        ("yaml-v2", "/en/yaml-v2/"),
102        ("use-requirements-from-submodule", "/en/use-requirements-from-submodule/"),
103        ("use-py2", "/en/use-py2/"),
104        ("use-image-5.0rc1", "/en/use-image-5.0rc1/"),
105        ("unicode-filename", "/en/unicode-filename/"),
106        ("d--branch", "/en/d--branch/"),
107        ("typlog-theme", "/en/typlog-theme/"),
108        ("timeout", "/en/timeout/"),
109        ("throw-exception", "/en/throw-exception/"),
110        ("test-py-37", "/en/test-py-37/"),
111        ("test-paths-with-spaces", "/en/test-paths-with-spaces/"),
112        ("tag-v2", "/en/tag-v2/"),
113        ("tag-v1", "/en/tag-v1/"),
114        ("submodule-https-scheme", "/en/submodule-https-scheme/"),
115        ("submodule-git-scheme", "/en/submodule-git-scheme/"),
116        ("sphinx2", "/en/sphinx2/"),
117        ("sphinx-es-suggest", "/en/sphinx-es-suggest/"),
118        ("search-with-old-sphinx-and-theme", "/en/search-with-old-sphinx-and-theme/"),
119        ("robots-txt", "/en/robots-txt/"),
120        ("requirements-not-found", "/en/requirements-not-found/"),
121        ("pypy3.5", "/en/pypy3.5/"),
122        ("pygments-custom-lexer-apex", "/en/pygments-custom-lexer-apex/"),
123        ("py3.8", "/en/py3.8/"),
124        ("py3.5", "/en/py3.5/"),
125        ("none-formats", "/en/none-formats/"),
126        ("nbsphinx-3d-plot", "/en/nbsphinx-3d-plot/"),
127        ("multiple-source-suffix", "/en/multiple-source-suffix/"),
128        ("meta-tags", "/en/meta-tags/"),
129        ("japanese-pdf", "/en/japanese-pdf/"),
130        ("invalid-submodules", "/en/invalid-submodules/"),
131        ("install-pytorch", "/en/install-pytorch/"),
132        ("huge-build-output", "/en/huge-build-output/"),
133        ("git-lfs", "/en/git-lfs/"),
```

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```
134 ("file-with-apostrophe", "/en/file-with-apostrophe/"),
135 ("environment-variables", "/en/environment-variables/"),
136 ("datetime", "/en/datetime/"),
137 ("custom-404-page", "/en/custom-404-page/"),
138 ("conda-satisfied-skip-solve", "/en/conda-satisfied-skip-solve/"),
139 ("conda-pin-common-deps", "/en/conda-pin-common-deps/"),
140 ("conda-env-py3.7", "/en/conda-env-py3.7/"),
141 ("conda-env", "/en/conda-env/"),
142 ("c-dependencies", "/en/c-dependencies/"),
143 ("build-internals", "/en/build-internals/"),
144 ("branch-with-slashes", "/en/branch-with-slashes/"),
145 ("auto-wipe", "/en/auto-wipe/"),
146 ("all-formats", "/en/all-formats/"),
147 ("alabaster-theme", "/en/alabaster-theme/"),
148 ("activate-me", "/en/activate-me/"),
149 ],
150 'downloads': [
151 ("pdf", "//readthedocs.org/projects/test-builds/downloads/pdf/test-paths-with-spaces/
↵"),
152 ("html", "//readthedocs.org/projects/test-builds/downloads/htmlzip/test-paths-with-
↵spaces/"),
153 ("epub", "//readthedocs.org/projects/test-builds/downloads/epub/test-paths-with-
↵spaces/"),
154 ],
155 'subprojects': [
156 ("time-test", "https://test-builds.readthedocs.io/projects/time-test/en/latest/
↵"),
157 ],
158 'slug': 'test-builds',
159 'name': u'test-builds',
160 'rtd_language': u'en',
161 'programming_language': u'words',
162 'canonical_url': 'https://test-builds.readthedocs.io/en/latest/',
163 'analytics_code': '',
164 'single_version': False,
165 'conf_py_path': '/docs/',
166 'api_host': 'https://readthedocs.org',
167 'proxied_api_host': 'https://readthedocs.org',
168 'github_user': 'rtdf',
169 'github_repo': 'test-builds',
170 'github_version': 'test-paths-with-spaces',
171 'display_github': True,
172 'bitbucket_user': 'None',
173 'bitbucket_repo': 'None',
174 'bitbucket_version': 'test-paths-with-spaces',
175 'display_bitbucket': False,
176 'gitlab_user': 'None',
177 'gitlab_repo': 'None',
178 'gitlab_version': 'test-paths-with-spaces',
179 'display_gitlab': False,
180 'READTHEDOCS': True,
181 'using_theme': (html_theme == "default"),
```

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```
182     'new_theme': (html_theme == "sphinx_rtd_theme"),
183     'source_suffix': SUFFIX,
184     'ad_free': False,
185     'user_analytics_code': '',
186     'global_analytics_code': 'UA-17997319-1',
187     'commit': 'a3804b95',
188 }
189
190
191
192
193 if 'html_context' in globals():
194     html_context.update(context)
195
196 else:
197     html_context = context
198
199 # Add custom RTD extension
200 if 'extensions' in globals():
201     # Insert at the beginning because it can interfere
202     # with other extensions.
203     # See https://github.com/rtfd/readthedocs.org/pull/4054
204     extensions.insert(0, "readthedocs_ext.readthedocs")
205 else:
206     extensions = ["readthedocs_ext.readthedocs"]
207
208 # Add External version warning banner to the external version documentation
209 if 'branch' == 'external':
210     extensions.insert(1, "readthedocs_ext.external_version_warning")
211
212
213 project_language = 'en'
214
215 # User's Sphinx configurations
216 language_user = globals().get('language', None)
217 latex_engine_user = globals().get('latex_engine', None)
218 latex_elements_user = globals().get('latex_elements', None)
219
220 # Remove this once windy gets installed in Docker image and XINDYOPS
221 # env variable is supported
222 # https://github.com/rtfd/readthedocs-docker-images/pull/98
223 latex_use_xindy = False
224
225 chinese = any([
226     language_user in ('zh_CN', 'zh_TW'),
227     project_language in ('zh_CN', 'zh_TW'),
228 ])
229
230 japanese = any([
231     language_user == 'ja',
232     project_language == 'ja',
233 ])
```

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```
234
235 if chinese:
236     latex_engine = latex_engine_user or 'xelatex'
237
238     latex_elements_rtd = {
239         'preamble': '\\usepackage[UTF8]{ctex}\n',
240     }
241     latex_elements = latex_elements_user or latex_elements_rtd
242 elif japanese:
243     latex_engine = latex_engine_user or 'platex'
```

This repository is used internally to create different scenarios on build configs and trigger many builds on Read the Docs productions.

Each branch should explain on it's `docs/index.rst` what's about and how the QA process can be considered a success or a failure.

If we need to test a very specific use case, we create a new branch with the issue number and the repository, like: `issue-1234-org`, `issue-4321-ext` or similar.

2.1 Scenarios

Each of these scenarios is a branch that can be built independently from the others.

- `alabaster-theme`: use `alabaster` as theme
- `auto-wipe`: used for auto wipe the environment when a config is changed
- `branch/with/slashes`: used to check that git clones without problem
- `conda-env`: use a simple conda environment to build the docs
- `conda-env-py3.7`: use a simple conda environment to build the docs with Python 3.7
- `datetime`: shows different times (system time, build time, etc)
- `environment-variables`: shows all the environment variables used to build the docs
- `huge-build-output`: generate megabytes of output data for commands
- `none-formats`: use `formats: []` so only HTML is built
- `requirements-not-found`: use `requirements_file: .notfound.txt`
- `robots-txt`: use a custom `robots.txt` for this project
- `search-with-old-sphinx-and-theme`: search box on old Sphinx and RTD theme version
- `timeout`: generate a timeout by sleeping 1000 seconds

- `typlog-theme`: use `typlog` as theme
- `ũńíč°də-branch`: the name of the branch is unicode
- `unicode-filename`: has a page (`rst`) that its filename is unicode
- `use-py2`: use `python: version: 2`
- `yaml-v2`: use a simple YAML for the V2 configuration

Note: There could be more scenarios probably, but this list is not always up to date. Please, check [all the branches](#) to be sure.

2.2 Tags

We also have some tags to have some tests around this.

- `tag-v1`: points to an specific commit
- `tag-v2`: points to the same commit than `tag-v1` (Delete tags with same commit)

2.3 Addind a new scenario to the repository

1. Create a new branch from `master` using an appropriate name
2. Explain what's the use case in its `docs/index.rst` file
 - How to check if the QA can be considered success or failure
 - Add links to the issue tracker where there are more information
3. Add or modify the necessary files
 - Make sure that these files contains the minimum configuration needed:
 - remove auto generated comments
 - configs not used
4. Push your changes
5. Modify the `README.rst` file from `master` to add this new branch in the list

Sphinx configuration file to build this docs (*see full file*),

```
1 # -*- coding: utf-8 -*-
2
3 # Default settings
4 project = 'Test Builds'
5 extensions = [
6     'sphinx_autorun',
7 ]
8
9 latex_engine = 'xelatex' # allow us to build Unicode chars
10
```

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```
11
12 # Include all your settings here
13 html_theme = 'sphinx_rtd_theme'
14
15
16
17
```

```
>>> # Build at
>>> import datetime
>>> datetime.datetime.utcnow() # UTC
datetime.datetime(2019, 11, 12, 19, 6, 1, 99156)
```


CHAPTER 3

Test a file with spaces

Spaaaaaaaaaaaaaaaces!!!