
Test Builds

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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': "master",
91     'version_slug': "master",
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         ("4.0", "/en/4.0/"),
99         ("2.0", "/en/2.0/"),
100        ("yaml-v2", "/en/yaml-v2/"),
101        ("use-requirements-from-submodule", "/en/use-requirements-from-submodule/"),
102        ("use-py2", "/en/use-py2/"),
103        ("use-image-5.0rc1", "/en/use-image-5.0rc1/"),
104        ("unicode-filename", "/en/unicode-filename/"),
105        ("d--branch", "/en/d--branch/"),
106        ("typlog-theme", "/en/typlog-theme/"),
107        ("timetestlarge", "/en/timetestlarge/"),
108        ("timetest", "/en/timetest/"),
109        ("timeout", "/en/timeout/"),
110        ("throw-exception", "/en/throw-exception/"),
111        ("testing-image", "/en/testing-image/"),
112        ("testing-activate-version", "/en/testing-activate-version/"),
113        ("test-py-37", "/en/test-py-37/"),
114        ("test-paths-with-spaces", "/en/test-paths-with-spaces/"),
115        ("tag-v2", "/en/tag-v2/"),
116        ("tag-v1", "/en/tag-v1/"),
117        ("submodule-https-scheme", "/en/submodule-https-scheme/"),
118        ("submodule-git-scheme", "/en/submodule-git-scheme/"),
119        ("sphinx2", "/en/sphinx2/"),
120        ("sphinx-es-suggest", "/en/sphinx-es-suggest/"),
121        ("sphinx-3.x", "/en/sphinx-3.x/"),
122        ("search-with-old-sphinx-and-theme", "/en/search-with-old-sphinx-and-theme/"),
123        ("run-rust", "/en/run-rust/"),
124        ("robots-txt", "/en/robots-txt/"),
125        ("requirements-not-found", "/en/requirements-not-found/"),
126        ("pypy3.5", "/en/pypy3.5/"),
127        ("pygments-custom-lexer-apex", "/en/pygments-custom-lexer-apex/"),
128        ("py3.9", "/en/py3.9/"),
129        ("py3.8", "/en/py3.8/"),
130        ("py3.5", "/en/py3.5/"),
131        ("path-with-plus", "/en/path-with-plus/"),
132        ("none-formats", "/en/none-formats/"),
133        ("nbsphinx-3d-plot", "/en/nbsphinx-3d-plot/"),
```

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```
134 ("multiple-source-suffix", "/en/multiple-source-suffix/"),
135 ("meta-tags", "/en/meta-tags/"),
136 ("match-me_a", "/en/match-me_a/"),
137 ("japanese-pdf", "/en/japanese-pdf/"),
138 ("invalid-submodules", "/en/invalid-submodules/"),
139 ("install-pytorch", "/en/install-pytorch/"),
140 ("install-aiohttp", "/en/install-aiohttp/"),
141 ("huge-build-output", "/en/huge-build-output/"),
142 ("hide-me", "/en/hide-me/"),
143 ("git-lfs", "/en/git-lfs/"),
144 ("file-with-apostrophe", "/en/file-with-apostrophe/"),
145 ("environment-variables", "/en/environment-variables/"),
146 ("datetime", "/en/datetime/"),
147 ("custom-404-page", "/en/custom-404-page/"),
148 ("conda-satisfied-skip-solve", "/en/conda-satisfied-skip-solve/"),
149 ("conda-pin-common-deps", "/en/conda-pin-common-deps/"),
150 ("conda-env-py3.7", "/en/conda-env-py3.7/"),
151 ("conda-env", "/en/conda-env/"),
152 ("c-dependencies", "/en/c-dependencies/"),
153 ("build-internals", "/en/build-internals/"),
154 ("another-matching-branch", "/en/another-matching-branch/"),
155 ("all-formats", "/en/all-formats/"),
156 ("alabaster-theme", "/en/alabaster-theme/"),
157 ],
158 'downloads': [
159 ("pdf", "///test-builds.readthedocs.io/_/downloads/en/master/pdf/"),
160 ("html", "///test-builds.readthedocs.io/_/downloads/en/master/htmlzip/"),
161 ("epub", "///test-builds.readthedocs.io/_/downloads/en/master/epub/"),
162 ],
163 'subprojects': [
164 ],
165 'slug': 'test-builds',
166 'name': u'test-builds',
167 'rtd_language': u'en',
168 'programming_language': u'words',
169 'canonical_url': 'https://test-builds.readthedocs.io/en/latest/',
170 'analytics_code': 'UA-12341234-1',
171 'single_version': False,
172 'conf_py_path': '/docs/',
173 'api_host': 'https://readthedocs.org',
174 'github_user': 'rtdf',
175 'proxied_api_host': '/_',
176 'github_repo': 'test-builds',
177 'github_version': 'master',
178 'display_github': True,
179 'bitbucket_user': 'None',
180 'bitbucket_repo': 'None',
181 'bitbucket_version': 'master',
182 'display_bitbucket': False,
183 'gitlab_user': 'None',
184 'gitlab_repo': 'None',
185 'gitlab_version': 'master',
```

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```
186     'display_gitlab': False,
187     'READTHEDOCS': True,
188     'using_theme': (html_theme == "default"),
189     'new_theme': (html_theme == "sphinx_rtd_theme"),
190     'source_suffix': SUFFIX,
191     'ad_free': False,
192     'docsearch_disabled': False,
193     'user_analytics_code': 'UA-12341234-1',
194     'global_analytics_code': 'UA-17997319-1',
195     'commit': '09cae390',
196 }
197
198
199
200
201 if 'html_context' in globals():
202     html_context.update(context)
203
204 else:
205     html_context = context
206
207 # Add custom RTD extension
208 if 'extensions' in globals():
209     # Insert at the beginning because it can interfere
210     # with other extensions.
211     # See https://github.com/rtfd/readthedocs.org/pull/4054
212     extensions.insert(0, "readthedocs_ext.readthedocs")
213 else:
214     extensions = ["readthedocs_ext.readthedocs"]
215
216 # Add External version warning banner to the external version documentation
217 if 'branch' == 'external':
218     extensions.insert(1, "readthedocs_ext.external_version_warning")
219
220
221 project_language = 'en'
222
223 # User's Sphinx configurations
224 language_user = globals().get('language', None)
225 latex_engine_user = globals().get('latex_engine', None)
226 latex_elements_user = globals().get('latex_elements', None)
227
228 # Remove this once windy gets installed in Docker image and XINDYOPS
229 # env variable is supported
230 # https://github.com/rtfd/readthedocs-docker-images/pull/98
231 latex_use_xindy = False
232
233 chinese = any([
234     language_user in ('zh_CN', 'zh_TW'),
235     project_language in ('zh_CN', 'zh_TW'),
236 ])
237
```

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```
238 japanese = any([
239     language_user == 'ja',
240     project_language == 'ja',
241 ])
242
243 if chinese:
244     latex_engine = latex_engine_user or 'xelatex'
245
246     latex_elements_rtd = {
247         'preamble': '\\usepackage[UTF8]{ctex}\n',
248     }
249     latex_elements = latex_elements_user or latex_elements_rtd
250 elif japanese:
251     latex_engine = latex_engine_user or 'platex'
252
253 # Make sure our build directory is always excluded
254 exclude_patterns = globals().get('exclude_patterns', [])
255 exclude_patterns.extend(['_build'])
```

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 its `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.

Please, check [all the branches](#) and [all the tags](#) to be sure.

2.2 Adding 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

Sphinx configuration file used 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
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(2020, 11, 10, 16, 52, 22, 24203)
```