
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/main/readthedocs/doc_builder/templates/
28  # ↪ doc_builder/conf.py.tpl
29  #
30  # Note: this file shouldn't rely on extra dependencies.
```

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```

31 import importlib
32 import sys
33 import os.path
34
35 # Borrowed from six.
36 PY3 = sys.version_info[0] == 3
37 string_types = str if PY3 else basestring
38
39 from sphinx import version_info
40
41 # Get suffix for proper linking to GitHub
42 # This is deprecated in Sphinx 1.3+,
43 # as each page can have its own suffix
44 if globals().get('source_suffix', False):
45     if isinstance(source_suffix, string_types):
46         SUFFIX = source_suffix
47     elif isinstance(source_suffix, (list, tuple)):
48         # Sphinx >= 1.3 supports list/tuple to define multiple suffixes
49         SUFFIX = source_suffix[0]
50     elif isinstance(source_suffix, dict):
51         # Sphinx >= 1.8 supports a mapping dictionary for multiple suffixes
52         SUFFIX = list(source_suffix.keys())[0] # make a ``list()`` for py2/py3
53 ↪ compatibility
54     else:
55         # default to .rst
56         SUFFIX = '.rst'
57 else:
58     SUFFIX = '.rst'
59
60 # Add RTD Static Path. Add to the end because it overwrites previous files.
61 if not 'html_static_path' in globals():
62     html_static_path = []
63 if os.path.exists('_static'):
64     html_static_path.append('_static')
65
66 # Add RTD Theme only if they aren't overriding it already
67 using_rtd_theme = (
68     ('html_theme' in globals() and
69     html_theme in ['default'] and
70     # Allow people to bail with a hack of having an html_style
71     'html_style' not in globals()
72     ) or 'html_theme' not in globals()
73 )
74 if using_rtd_theme:
75     html_theme = 'sphinx_rtd_theme'
76     html_style = None
77     html_theme_options = {}
78
79 # This following legacy behavior will gradually be sliced out until its deprecated and
80 ↪ removed.

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```

81 # Skipped for Sphinx 6+
82 # Skipped by internal Feature flag SKIP_SPHINX_HTML_THEME_PATH
83 # Skipped by all new projects since SKIP_SPHINX_HTML_THEME_PATH's introduction (jan 2023)
84 if (
85     using_rtd_theme
86     and version_info < (6,0)
87     and not False
88 ):
89     theme = importlib.import_module('sphinx_rtd_theme')
90     if 'html_theme_path' in globals():
91         html_theme_path.append(theme.get_html_theme_path())
92     else:
93         html_theme_path = [theme.get_html_theme_path()]
94
95 # Define websupport2_base_url and websupport2_static_url
96 if globals().get('websupport2_base_url', False):
97     websupport2_base_url = 'https://readthedocs.org/websupport'
98     websupport2_static_url = 'https://assets.readthedocs.org/static/'
99
100
101 #Add project information to the template context.
102 context = {
103     'using_theme': using_rtd_theme,
104     'html_theme': html_theme,
105     'current_version': "2.6",
106     'version_slug': "2.6",
107     'MEDIA_URL': "https://media.readthedocs.org/",
108     'STATIC_URL': "https://assets.readthedocs.org/static/",
109     'PRODUCTION_DOMAIN': "readthedocs.org",
110     'proxied_static_path': "/_/static/",
111     'versions': [
112         ("latest", "/en/latest/"),
113         ("stable", "/en/stable/"),
114         ("2.6", "/en/2.6/"),
115         ("2.5", "/en/2.5/"),
116         ("2.4", "/en/2.4/"),
117         ("2.1.0", "/en/2.1.0/"),
118         ("2.1", "/en/2.1/"),
119     ],
120     'downloads': [
121         ("pdf", "//agj-test-automation-rules.readthedocs.io/_/downloads/en/2.6/pdf/"),
122         ("html", "//agj-test-automation-rules.readthedocs.io/_/downloads/en/2.6/htmlzip/"),
123         ("epub", "//agj-test-automation-rules.readthedocs.io/_/downloads/en/2.6/epub/"),
124     ],
125     'subprojects': [
126     ],
127     'slug': 'agj-test-automation-rules',
128     'name': u'agj-test-automation-rules',
129     'rtd_language': u'en',
130     'programming_language': u'words',
131     'canonical_url': 'https://agj-test-automation-rules.readthedocs.io/en/2.6/',
132     'analytics_code': 'None',

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```

133     'single_version': False,
134     'conf_py_path': '/docs/',
135     'api_host': 'https://readthedocs.org',
136     'github_user': 'agjohnson',
137     'proxied_api_host': '/',
138     'github_repo': 'test-builds',
139     'github_version': '2.6',
140     'display_github': True,
141     'bitbucket_user': 'None',
142     'bitbucket_repo': 'None',
143     'bitbucket_version': '2.6',
144     'display_bitbucket': False,
145     'gitlab_user': 'None',
146     'gitlab_repo': 'None',
147     'gitlab_version': '2.6',
148     'display_gitlab': False,
149     'READTHEDOCS': True,
150     'using_theme': (html_theme == "default"),
151     'new_theme': (html_theme == "sphinx_rtd_theme"),
152     'source_suffix': SUFFIX,
153     'ad_free': False,
154     'docsearch_disabled': False,
155     'user_analytics_code': '',
156     'global_analytics_code': 'UA-17997319-1',
157     'commit': 'd39922ff',
158 }
159
160 # For sphinx >=1.8 we can use html_baseurl to set the canonical URL.
161 # https://www.sphinx-doc.org/en/master/usage/configuration.html#confval-html_baseurl
162 if version_info >= (1, 8):
163     if not globals().get('html_baseurl'):
164         html_baseurl = context['canonical_url']
165         context['canonical_url'] = None
166
167
168
169
170
171 if 'html_context' in globals():
172
173     html_context.update(context)
174
175 else:
176     html_context = context
177
178 # Add custom RTD extension
179 if 'extensions' in globals():
180     # Insert at the beginning because it can interfere
181     # with other extensions.
182     # See https://github.com/rtfd/readthedocs.org/pull/4054
183     extensions.insert(0, "readthedocs_ext.readthedocs")
184 else:

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```

185     extensions = ["readthedocs_ext.readthedocs"]
186
187     # Add External version warning banner to the external version documentation
188     if 'tag' == 'external':
189         extensions.insert(1, "readthedocs_ext.external_version_warning")
190         readthedocs_vcs_url = 'None'
191         readthedocs_build_url = 'https://readthedocs.org/projects/agj-test-automation-rules/
↳ builds/19965293/'
192
193     project_language = 'en'
194
195     # User's Sphinx configurations
196     language_user = globals().get('language', None)
197     latex_engine_user = globals().get('latex_engine', None)
198     latex_elements_user = globals().get('latex_elements', None)
199
200     # Remove this once windy gets installed in Docker image and XINDYOPS
201     # env variable is supported
202     # https://github.com/rtfd/readthedocs-docker-images/pull/98
203     latex_use_xindy = False
204
205     chinese = any([
206         language_user in ('zh_CN', 'zh_TW'),
207         project_language in ('zh_CN', 'zh_TW'),
208     ])
209
210     japanese = any([
211         language_user == 'ja',
212         project_language == 'ja',
213     ])
214
215     if chinese:
216         latex_engine = latex_engine_user or 'xelatex'
217
218         latex_elements_rtd = {
219             'preamble': '\\usepackage[UTF8]{ctex}\n',
220         }
221         latex_elements = latex_elements_user or latex_elements_rtd
222     elif japanese:
223         latex_engine = latex_engine_user or 'platex'
224
225     # Make sure our build directory is always excluded
226     exclude_patterns = globals().get('exclude_patterns', [])
227     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 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
- `ũńĩč°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 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
```

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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(2023, 3, 31, 2, 36, 24, 677392)
```