Test Builds

Nov 19, 2019

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CHAPTER 1

conf.py

```
# -*- coding: utf-8 -*-

# Default settings
project = 'Test Builds'
extensions = [
    'sphinx_autorun',
]

latex_engine = 'xelatex'  # allow us to build Unicode chars


# Include all your settings here
html_theme = 'sphinx_rtd_theme'




###########################################################################
#          auto-created readthedocs.org specific configuration            #
###########################################################################


#
# The following code was added during an automated build on readthedocs.org
# It is auto created and injected for every build. The result is based on the
# conf.py.tmpl file found in the readthedocs.org codebase:
# https://github.com/rtfd/readthedocs.org/blob/master/readthedocs/doc_builder/templates/
↪doc_builder/conf.py.tmpl
#


```

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```
import importlib
import sys
import os.path
from six import string_types

from sphinx import version_info

# Get suffix for proper linking to GitHub
# This is deprecated in Sphinx 1.3+,
# as each page can have its own suffix
if globals().get('source_suffix', False):
    if isinstance(source_suffix, string_types):
        SUFFIX = source_suffix
    elif isinstance(source_suffix, (list, tuple)):
        # Sphinx >= 1.3 supports list/tuple to define multiple suffixes
        SUFFIX = source_suffix[0]
    elif isinstance(source_suffix, dict):
        # Sphinx >= 1.8 supports a mapping dictionary for multiple suffixes
        SUFFIX = list(source_suffix.keys())[0]  # make a ``list()`` for py2/py3 compatibility
    else:
        # default to .rst
        SUFFIX = '.rst'
else:
    SUFFIX = '.rst'

# Add RTD Static Path. Add to the end because it overwrites previous files.
if not 'html_static_path' in globals():
    html_static_path = []
if os.path.exists('_static'):
    html_static_path.append('_static')

# Add RTD Theme only if they aren't overriding it already
using_rtd_theme = (
    (
        'html_theme' in globals() and
        html_theme in ['default'] and
        # Allow people to bail with a hack of having an html_style
        'html_style' not in globals()
    ) or 'html_theme' not in globals()
)
if using_rtd_theme:
    theme = importlib.import_module('sphinx_rtd_theme')
    html_theme = 'sphinx_rtd_theme'
    html_style = None
    html_theme_options = {}
    if 'html_theme_path' in globals():
        html_theme_path.append(theme.get_html_theme_path())
    else:
        html_theme_path = [theme.get_html_theme_path()]

if globals().get('websupport2_base_url', False):
```

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```
    websupport2_base_url = 'https://readthedocs.org/websupport'
    websupport2_static_url = 'https://assets.readthedocs.org/static/'


#Add project information to the template context.
context = {
    'using_theme': using_rtd_theme,
    'html_theme': html_theme,
    'current_version': "stable",
    'version_slug': "stable",
    'MEDIA_URL': "https://media.readthedocs.org/",
    'STATIC_URL': "https://assets.readthedocs.org/static/",
    'PRODUCTION_DOMAIN': "readthedocs.org",
    'versions': [
    ("latest", "/en/latest/"),
    ("stable", "/en/stable/"),
    ("2.6", "/en/2.6/"),
    ("2.5", "/en/2.5/"),
    ("2.4", "/en/2.4/"),
    ("2.1.0", "/en/2.1.0/"),
    ("2.1", "/en/2.1/"),
    ],
    'downloads': [
    ("pdf", "//readthedocs.org/projects/agj-test-automation-rules/downloads/pdf/stable/"),
    ("html", "//readthedocs.org/projects/agj-test-automation-rules/downloads/htmlzip/stable/"),
    ("epub", "//readthedocs.org/projects/agj-test-automation-rules/downloads/epub/stable/"),
    ],
    'subprojects': [
    ],
    'slug': 'agj-test-automation-rules',
    'name': u'agj-test-automation-rules',
    'rtd_language': u'en',
    'programming_language': u'words',
    'canonical_url': 'https://agj-test-automation-rules.readthedocs.io/en/2.6/',
    'analytics_code': 'None',
    'single_version': False,
    'conf_py_path': '/docs/',
    'api_host': 'https://readthedocs.org',
    'proxied_api_host': 'https://readthedocs.org',
    'github_user': 'agjohnson',
    'github_repo': 'test-builds',
    'github_version': 'd39922ff32b8bc5c0182e7dd976fd921dba0d873',
    'display_github': True,
    'bitbucket_user': 'None',
    'bitbucket_repo': 'None',
    'bitbucket_version': 'd39922ff32b8bc5c0182e7dd976fd921dba0d873',
    'display_bitbucket': False,
    'gitlab_user': 'None',
    'gitlab_repo': 'None',
```

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```python
    'gitlab_version': 'd39922ff32b8bc5c0182e7dd976fd921dba0d873',
    'display_gitlab': False,
    'READTHEDOCS': True,
    'using_theme': (html_theme == "default"),
    'new_theme': (html_theme == "sphinx_rtd_theme"),
    'source_suffix': SUFFIX,
    'ad_free': False,
    'user_analytics_code': '',
    'global_analytics_code': 'UA-17997319-1',
    'commit': 'd39922ff',
}




if 'html_context' in globals():

    html_context.update(context)

else:
    html_context = context

# Add custom RTD extension
if 'extensions' in globals():
    # Insert at the beginning because it can interfere
    # with other extensions.
    # See https://github.com/rtfd/readthedocs.org/pull/4054
    extensions.insert(0, "readthedocs_ext.readthedocs")
else:
    extensions = ["readthedocs_ext.readthedocs"]

# Add External version warning banner to the external version documentation
if 'tag' == 'external':
    extensions.insert(1, "readthedocs_ext.external_version_warning")

project_language = 'en'

# User's Sphinx configurations
language_user = globals().get('language', None)
latex_engine_user = globals().get('latex_engine', None)
latex_elements_user = globals().get('latex_elements', None)

# Remove this once xindy gets installed in Docker image and XINDYOPS
# env variable is supported
# https://github.com/rtfd/readthedocs-docker-images/pull/98
latex_use_xindy = False

chinese = any([
    language_user in ('zh_CN', 'zh_TW'),
    project_language in ('zh_CN', 'zh_TW'),
])

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```
japanese = any([
    language_user == 'ja',
    project_language == 'ja',
])

if chinese:
    latex_engine = latex_engine_user or 'xelatex'

    latex_elements_rtd = {
        'preamble': '\\usepackage[UTF8]{ctex}\n',
    }
    latex_elements = latex_elements_user or latex_elements_rtd
elif japanese:
    latex_engine = latex_engine_user or 'platex'
```

CHAPTER 2

Test Builds

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 independenly 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
- ŭñíč°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 appropiate 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*),

```python
# -*- coding: utf-8 -*-

# Default settings
project = 'Test Builds'
extensions = [
    'sphinx_autorun',
]

latex_engine = 'xelatex'  # allow us to build Unicode chars

```

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```

# Include all your settings here
html_theme = 'sphinx_rtd_theme'




```

```
>>> # Build at
>>> import datetime
>>> datetime.datetime.utcnow()  # UTC
datetime.datetime(2019, 11, 19, 21, 46, 39, 679922)
```