sphinxcontrib-viewsource

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unknown

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Add an "Edit on GitHub" button to your code examples.

sphinxcontrib-viewsource is a Sphinx extension that enhances the `literalinclude` directive, adding a caption automatically with a link pointing to the source file.

Use it to add an **Edit on GitHub** button to your code source files, or to **show the complete code** when the `literalinclude` directive renders a subset of the file.

Example

Listing 1: Edit on GitHub

```
    print('Hello World!')
```

Add the extension to your project following the *installation instructions*.

CHAPTER

ONE

INSTALLATION

1.1 Getting Started

1. Install sphinxcontrib-viewsource using pip.

```
pip install sphinxcontrib-viewsource
```

2. Add the extension to your Sphinx project `conf.py` file.

```
extensions = ['sphinxcontrib.viewsource']
```

3. Define a caption text and link resolution function at the end of your `conf.py` file:

```
viewsource_title = 'Edit on GitHub'

def viewsource_resolve_link(file_path, language=None):
  base_url = 'https://github.com/dgarcia360/sphinxcontrib-viewsource/blob/master/docs/
↪snippets/'
  # get the name of the file
  path_split = file_path.split('/')
  file = path_split[len(path_split)-1]
  return base_url + file
```

Find here other *link resolution examples*.

4. Use `viewsource` directive instead of `literalinclude` when rendering code:

```
.. viewsource:: snippets/hello.py
    :language: python
    :lines: 2
```

The `viewsource` extends from `literalinclude`, so you can still use all the directive options.

Note: The directive overwrites the `caption` option with the specified link. If you set the caption option, the extension will not render the link.

5. You can apply custom CSS to style the caption:

```
.code-block-caption .caption-text > a {
  float: right;
}
```

6. Build the docs.

CHAPTER

TWO

RESOLVE LINK

The `viewsource_resolve_link` function set in `config.py` is editable to fit your documentation needs.

viewsource_resolve_link (*file_path*, *language=None*)
Defines the link resolution strategy for each code of block.

Parameters

- **file_path** (*string*) – Contains the path of the file included.
- **language** (*string*) – Contains the name of the highlighting language if set.

Returns URL pointing to the file as string

Here there are some popular configurations that you can use to set up the link resolution strategy.

2.1 Point to an internal file

```
viewsource_title = 'Get the Code'
def viewsource_resolve_link(file_path, language=None):
  snippets_folder = '/snippets/'
  # get the name of the file
  path_split = file_path.split('/')
  file = path_split[len(path_split)-1]
  return snippets_folder + file
```

2.2 Point to an external file

```
viewsource_title = 'Edit on Github'

def viewsource_resolve_link(file_path, language=None):
  base_url = 'https://github.com/dgarcia360/sphinxcontrib-viewsource/blob/master/docs/
↪snippets/'
  # get the name of the file
  path_split = file_path.split('/')
  file = path_split[len(path_split)-1]
  return base_url + file
```

2.3 Resolution strategy per language

```
viewsource_title = 'Edit on Github'

def viewsource_resolve_link(file_path, language=None):
  # get the name of the file
  path_split = file_path.split('/')
  file = path_split[len(path_split)-1]

  url = 'https://github.com/dgarcia360/sphinxcontrib-viewsource/blob/master/docs/
↪python/%s' % file
  if language == 'java':
      return 'https://github.com/dgarcia360/sphinxcontrib-viewsource/blob/master/docs/
↪java/src/%s' % file
  return url
```

CHAPTER

THREE

CHANGELOG

All notable changes to this project will be documented in this file.

The format is based on Keep a Changelog, and this project adheres to Semantic Versioning.

3.1 [0.1.3] - 18 April 2019

3.1.1 Added

- Initial code release

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