
sphinx-revealjs Documentation

Release 1.4.5

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`sphinx-revealjs` is Sphinx extension to generate Reveal.js presentation documents from **standard** reStructuredText.

BASIC FEATURES

- Nested sections
- Speaker note
- Syntax highlight for Reveal.js (not used pygments)
- Customize slides and sections by `conf.py` or source reST

DEMO

- Source: [Sphinx document](#)
- Created: [Reveal.js presentation](#)

```
=====
sphinx-revealjs
=====

.. revealjs_slide::

    {
        controls: true,
        progress: true,
        history: true,
        center: true,
        transition: "slide",
        dependencies: [
            { src: "{{ pathto('_static/revealjs/plugin/notes/notes.js', 1) }}" , async: true },
            { src: "{{ pathto('_static/revealjs/plugin/highlight/highlight.js', 1) }}" , async: true, callback: function()
        ]
    }

:Based version: 0.9.0
:Released: 2019-12-22

Overview
=====

What is this?
-----

Sphinx extension to build Revealjs presentation

Features
-----

.. This is reST comment. Render into speaker note section

* Convert sections from reStructuredText directly
* Select theme from default themes

Convert sections from reStructuredText directly
=====

Adjust section structure
```

sphinx-revealjs

Based version:
0.9.0

Released:
2019-12-22

CONCEPT AND MOTIVATION

Goal of this library is to provide presentation platform for self-branding of engineer using Sphinx. Using static site hosting service, you can show own presentations to anyone.

Core motivation is that I want to play presentation by this library.

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4.1 Setup

4.1.1 Requirements

sphinx-revealjs requires Python 3.6+ and Sphinx.

Current development environment

- Python: 3.9
- Sphinx: 3.5.4

4.1.2 Installation

You can install sphinx-revealjs from PyPI.

```
$ pip install sphinx-revealjs
```

sphinx-revealjs specify Sphinx and docutils expressly as dependencies. You get Sphinx by this command only.

4.1.3 Configuration

sphinx-revealjs does not provide revealjs builder instead of html builder. To use builder, edit your conf.py.

```
extensions = [  
    "sphinx_revealjs",  
]
```

if you want to configure more, edit conf.py with seeing *Configurations*.

4.1.4 Build

Run make command to build presentations. Files are generated to **revealjs** folder.

```
$ make revealjs
```

4.2 Upgrading guide

4.2.1 To 1.x from 0.x

From version 1.x, this bundle Reveal.js 4.x, and implement for it. Due it, documentations for old version does not work to build correctly.

You have to lock version, or migrate source for next version.

revealjs_script_plugins

Reveal.js 4.x has big changes for usage of plugins from 3.x.

sphinx-revealjs is also adjust for this changes, and need update `revealjs_script_plugins`.

```
revealjs_script_plugins = [  
  {  
+    "name": "RevealNotes",  
+    "src": "revealjs4/plugin/notes/notes.js",  
-    "src": "revealjs/plugin/notes/notes.js",  
  },  
  {  
+    "name": "RevealHighlight",  
+    "src": "revealjs4/plugin/highlight/highlight.js",  
-    "src": "revealjs/plugin/highlight/highlight.js",  
-    "options": ""  
-    {async: true, callback: function() { hljs.initHighlightingOnLoad(); } }  
-    ""  
  },  
]
```

- Changed structure from src and options to src and name.
 - For 4.x, to use plugin for core,
add class name of it not source path,
and need to preload source by `script` tag.
 - Class name is defined in plugin source.
You need find from source or ref documents (official plugin only)
 - In adding, does not accept options for plugins.

MORE: See [Using Plugins from Reveal.js document](#)

revealjs_css_files

If you use highlight plugin and specify bundled stylesheet file, change path of stylesheet. Style files is migrated to highlight plugin folder.

- Before: `revealjs/lib/css/zenburn.css`
- After: `revealjs4/plugin/highlight`

4.3 Configurations

sphinx-revealjs can build multiple presentations. You can configure in `conf.py` for all presentations.

4.3.1 Basic configurations

revealjs_static_path

Type list

Default [] (empty)

Example ["_static"]

List of static files directory (same as `html_static_path`)

revealjs_js_files

Type list

Default [] (empty)

Example ["custom.js"]

List of using custom css (same as `html_js_files`).

When you want to use JS that does not related revealjs, can use this.

revealjs_css_files

Type list

Default [] (empty)

Example ["custom.css"]

List of using custom css (same as `html_css_files`).

If you want to customize presentation by CSS, write external css and use it.

4.3.2 Style Configurations

revealjs_style_theme

Type str

Default black

Example moon, custom.css

Theme name of stylesheet for Reveal.js.

- If value does not have suffix `.css`, use bundled Reveal.js theme(included `revealjs/css/theme`).

4.3.3 Presentation Configurations

revealjs_use_section_ids

Type boolean

Default False

If this is set True, inject id attribute into section element (parent of headerings). This means that change format of internal links (default is numbering style).

revealjs_script_files

Type List[str]

Default []

Example ["presentation.js"]

List of sources that render as `script` tags.

There is bundled Reveal.js script at `revealjs/js/reveal.js`.

Example:

```
<div>
  <!-- Presentation body -->
</div>
<!-- here!! -->
<script src="_static/revealjs/js/revealjs.js"></script>
<script src="_static/presentation.js"></script>
```

revealjs_script_conf

Type str or dict

Default None

Configuration of Reveal.js presentation. This value is used as options of `Reveal.initialize` in output files.

- If value is string type, handle as raw javascript code.
- If value is dict object, convert to json string at internal.

Example 1: case of str

```
revealjs_script_conf = """
{
    controls: false,
    transition: 'zoom',
}
"""
```

```
<div>
  <!-- Presentation body -->
</div>
<script src="_static/revealjs/js/revealjs.js"></script>
<!-- here!! -->
<script>
  let revealjsConfig = {};
  revealjsConfig = Object.assign(revealjsConfig, {
    controls: false,
    transition: 'zoom',
  });
  revealjs.initialize(revealjsConfig);
</script>
```

Example 2: case of dict

```
revealjs_script_conf = {
    "controls": False,
    "transition": "zoom",
}
```

```
<div>
  <!-- Presentation body -->
</div>
<script src="_static/revealjs/js/revealjs.js"></script>
<!-- here!! -->
<script>
  let revealjsConfig = {};
  revealjsConfig = Object.assign(revealjsConfig, JSON.parse('{"controls": false,
  ↪ "transition": "zoom"}'));
  revealjs.initialize(revealjsConfig);
</script>
```

example 1 and 2 are behaving same.

revealjs_script_plugins

Type List[Dict]

Default []

List of plugin configurations. If this value is set, render script tag after source script tags.

There are bundled Reveal.js plugins at `revealjs/plugin`.

Example:

```
revealjs_script_plugins = [  
    "src": "revealjs/plugin/highlight/highlight.js",  
    "name": "RevealHighlight",  
]
```

```
<div>  
  <!-- Presentation body -->  
</div>  
<script src="_static/revealjs/js/revealjs.js"></script>  
<script src="_static/revealjs/plugin/highlight/highlight.js"></script>  
<!-- here!! -->  
<script>  
  let revealjsConfig = {};  
  revealjsConfig.plugins = [RevealHighlight,];  
  revealjs.initialize(revealjsConfig);  
</script>
```

4.3.4 Font configurations

revealjs_google_fonts

Type dict

Default []

Example []

List of using fonts from [Google Fonts](#). If this value is set, render link and style tags into html.

revealjs_generic_font

Type str

Default sans-serif

Example serif, monospace

If you use `revealjs_google_fonts`, set last of `font-family` style.

4.4 Directives

sphinx-revealjs provides some directives to customize presence and behaviors.

4.4.1 For customize presentation

Sphinx can manage multiple documents, so that `sphinx-revealjs` can build multiple presentation slides.

If you want to configure one presentaion from some, use this directive into your source.

.. revealjs-slide::

Write `revealjs-slide` directive on directly below of title header.

Note: Directive based customize has options less than `conf` based because implementation restrict.

:theme: (string)

Override `revealjs_style_theme`.

:google_font: (string)

Override `revealjs_google_fonts`, but it can specify only one.

:conf: (JSON-string or no-value)

Override `revealjs_script_conf`, but single line only.

Usage:

Presentation title

=====

.. revealjs-slide::

:theme: moon

Section

Content

4.4.2 For customize sections

If you want to change behavior of sections, use these directives.

.. revealjs-section::

To change behavior per section, write directive per section.

:data-XXX:

This directive can accept attribute as same as Reveal.js `section` tags.

Usage:

Write `revealjs-slide` directive on directly below of section title header.

Title

=====

Section

.. revealjs-section::

:data-background-color: #009900

.. revealjs_section::

Alias of `revealjs-section` for backward compatibility.

.. revealjs-break::

If you want to transition section with keeping title, `revealjs-break` can use.

Usage:

Write `revealjs-break` to point of want to split section.

Title

=====

Section

Content 1

.. revealjs-break::

Content 2(next slide)

:data-XXX:

It accepts attributes as same as `revealjs-section`.

:notitle:

If it is set in directive, next section page does not display title.

.. revealjs_break::

Alias of `revealjs-breaK` For backward compatibility.

4.4.3 For interactive contents

.. revealjs-code-block::

This is extends of `code-block` directive for presentation.

If you want to use `data-line-number` attributes in `code-block`.

:data-line-numbers: (string or no value)

Code highlighting pattern. See [Reveal.js document](#)

Example:

```
.. revealjs-code-block:: python
   :data-line-numbers: 1

   def hello():
       print("world")
```

.. revealjs-fragments::

Note: There are cases not working regular.

Inject `fragment` attribute into objects. Referer to “[Fragments](#)” from [Reveal.js](#)

Example:

Write block as directive that you want to present as fragments.

```
.. revealjs-fragments::
```

```
    * First
    * Second
    * Third
```

See [demo](#)

```
.. revealjs_fragments::
```

Alias of `revealjs-fragments` for backward compatibility.

4.5 Using examples

4.5.1 List

Customizing design simply

When using bundled theme, you can customize design by adding custom CSS.

Example: Disable transform style in header text

Some of reveal.js bundled themes (ex: `black`) set uppercase in `text-transform` of heading texts. You can add extra custom CSS to use other settings.

Source

Listing 1: `conf.py`

```
revealjs_css_files = [
    "revealjs4/plugin/highlight/zenburn.css",
    "custom.css",
]
```

Listing 2: custom.css

```
.reveal h1, .reveal h2, .reveal h3, .reveal h4, .reveal h5, .reveal h6 {  
  text-transform: none;  
}
```

4.6 Changelog

4.6.1 ver 1.4.5

date 2022-3-06

base Reveal.js 4.3.0 (updated)

(Only update reveal.js)

4.6.2 ver 1.4.4

date 2021-12-12

base Reveal.js 4.2.1 (updated)

(Only update reveal.js)

4.6.3 ver 1.4.3

Date 2021-11-20

Reveal.js v4.2.0

(None updates for features)

Extra

- Update classifiers of PyPI
 - Fix key of license
 - Add other keys

4.6.4 ver 1.4.2

Date 2021-11-20

Reveal.js v4.2.0

(None updates for features)

Extra

- Update test matrix of GitHub Actions to confirm that this supports python 3.10
- Update classifiers of PyPI because test cases passed under Python 3.10 and Sphinx 4.x

4.6.5 ver 1.4.1

Date 2021-11-16

Reveal.js v4.2.0 (**updated**)

Fixes

- Replace reveal.js to use right bundle version.

4.6.6 ver 1.4.0

Date 2021-11-13

Reveal.js v4.2.0 (**updated**)

New features

- Add `revealjs_js_files` for `conf.py` to set JS file. (#77)
- `revealjs_script_conf` accepts dict types (#56)

Extra

- Change test codes from nose to py.test

4.6.7 ver 1.3.1

date 2021-07-17

base Reveal.js 4.1.3

Fixes

- `revealjs-fragments` for paragraph contents (#71)

4.6.8 ver 1.3.0

date 2021-07-11

base Reveal.js 4.1.3

New features

- Support some attributes of sections
- Add directive `revealjs-code-block` to line highlighting for reveal.js
- Add kebab-case directives for currently snake-case directives
 - `revealjs-slide` \leq `revealjs_slie`
 - `revealjs-section` \leq `revealjs_section`
 - `revealjs-break` \leq `revealjs_break`
 - `revealjs-fragments` \leq `revealjs_fragments`

4.6.9 ver 1.2.1

date 2021-06-13

base Reveal.js 4.1.3 (updated)

(Only update reveal.js)

4.6.10 ver 1.2.0

date 2021-06-06

base Reveal.js 4.1.1 (updated)

New fetures

- When builder writes contents from extensions, use same of html builder

4.6.11 ver 1.1.0

date 2021-04-04

base Reveal.js 4.1.0

New features

- Add option to add id attribute per sections (#59, #61)
 - Supporting label syntax of Sphinx.

Extra

- Fix dependencies for development environment
- Add package.json to notify updates reveal.js by dependabot

4.6.12 ver 1.0.1

date 2021-01-30

base Reveal.js 4.1.0

Fixes

- Change order of link tags for css files (#40, #41)
- Rename test case function names for duplicated (#42, #54)

4.6.13 ver 1.0.0

date 2021-01-03

base Reveal.js 4.1.0

Breaking changes

In this version, `sphinx-revealjs` bundle Reveal.js version 4.x, and does not supporting to work with Reveal.js 3.x. If you want to migrate presentation source for this version, please see [migration example](#).

New features

- Using Revealjs 4.x (use 4.1.0)
 - With supporting multiple presentation management in single documentation

Drop

- Bundle and implements for Revealjs 3.x

4.6.14 ver 0.12.1

date 2020-12-12

Fixes

- Restrict effect of `revealjs_section` for only one section ([PR#36](#))

4.6.15 ver 0.12.0

date 2020-06-21

New features

- Config variables:
 - `revealjs_js_files`
 - `revealjs_css_files`
 - `revealjs_static_path`

Updates

- `revealjs_google_fonts` use Google Fonts API version 2
- Change css selector for google-fonts

Drop

- Remove `zenburn.css` from default included css files
- Ignore `html_js_files`, `html_css_files` and `html_static_path`

4.6.16 ver 0.11.0

date 2020-04-17

Features

- Add new config variables `revealjs_style_theme`, `revealjs_google_fonts`, `revealjs_generic_font``, `revealjs_script_files`, `revealjs_script_conf` and `revealjs_script_plugins`
- **Breaking:** Change directive option, from `config` to `conf` in `RevealjsSlide` directive.

Drop

- **Breaking:** Remove config variables `revealjs_theme` and `revealjs_theme_options`.

Fixes

- Use black for formatting

4.6.17 ver 0.10.1

date 2020-04-09

Fixes

- Change bundle Reveal.js (3.9.1 -> 3.9.2)

4.6.18 ver 0.10.0

data 2020-03-25

Features

- Change bundle Reveal.js (3.8.0 -> 3.9.1)
- Add support version (3.8, author's default)

Fixes

- In development, depend by `sphinxcontrib-gtagjs`. (use in demo)

Extra

- Change license (MIT -> Apache-2.0)
- Use poetry as build environment

4.6.19 ver 0.9.0

date 2019-12-22

Fixes

- google-fonts default options is changed for not to render in template.
- Adjusting templates based by sphinx basic theme. (short breaking)
 - Enable metatags , scripts and more template values.

4.6.20 ver 0.8.0

date 2019-11-11

Features

- Add new config option `google_font` to set google-font style.

4.6.21 ver 0.7.0

date 2019-10-28

Features

- Add new directive `revealjs_fragments` to use Fragment.

4.6.22 ver 0.6.1

date 2019-09-12

Fixes

- Remove tag that refer source not exists

4.6.23 ver 0.6.0

date 2019-07-31

Features

- Add new directive `revealjs_break` to split sections.
 - Updated demo

Extra

- Add docstrings any sources. (ignore tests)
- Remove Pipenv.
- Migrate metadata and options from `setup.py` into `setup.cfg`.
- Use bumpversion for versioning

4.6.24 ver 0.5.1

date 2019-06-30

Extra

- Update Reveal.js from 3.7.0 to 3.8.0

4.6.25 ver 0.5.0

date 2018-12-31

Features

- Revealjs initialize config accept from sphinx document config
- Revealjs initialize config accept from `revealjs_slide` directive

4.6.26 ver 0.4.1

date 2018-12-21

Fixes

- `revealjs_section` directive of source apply for itself only

4.6.27 ver 0.4.0

date 2018-12-10

Features

- It can select theme per presentations.

4.6.28 ver 0.3.1

First public release on PyPI.

LICENSES

This library is licensed Apache License version 2.0.

About license of directly dependencies, please see each software projects or documentations.

- docutils:
 - <https://docutils.sourceforge.io/>
- Sphinx:
 - <https://www.sphinx-doc.org/>
 - <https://github.com/sphinx-doc/sphinx>
- Reveal.js:
 - <https://revealjs.com/#/>
 - <https://github.com/hakimel/reveal.js>

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