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# **sphinx-revealjs Documentation**

***Release 0.12.1***

**Kazuya Takei**

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



## 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

## CONTENTS

### 3.1 Setup

#### 3.1.1 Requirements

`sphinx-revealjs` requires Python 3.6+ and Sphinx.

##### Current development environment

- Python: 3.8
- Sphinx: 2.4.4

#### 3.1.2 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.

#### 3.1.3 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*.

### 3.1.4 Build

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

```
$ make revealjs
```

## 3.2 Configurations

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

### 3.2.1 Style Configurations

#### **revealjs\_static\_path**

**Type** `list`

**Optional**

**Default** `[]` (empty)

**Example** `["_static"]`

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

#### **revealjs\_css\_files**

**Type** `list`

**Optional**

**Default** `[]` (empty)

**Example** `["custom.css"]`

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

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

#### **revealjs\_style\_theme**

**Type** `str`

**Optional**

**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`).

### revealjs\_google\_fonts

**Type** dict

**Optional**

**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

**Optional**

**Default** sans-serif

**Example** serif, monospace

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

## 3.2.2 Presentation Configurations

### revealjs\_script\_files

**Type** List[str]

**Optional**

**Default** ["revealjs/js/reveal.js"]

**Example** ["revealjs/js/reveal.js", "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

**Optional**

**Default** None

Raw JavaScript code for configuration of Reveal.js.

If this value is set, render `script` tag after source script tags.

Example:

```
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>
```

## revealjs\_script\_plugins

**Type** List[Dict]

**Optional**

**Default** []

List of pulugin 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"
    "options": """
        {async: true, callback: function() { hljs.initHighlightingOnLoad(); } }
        """
]
```

```
<div>
  <!-- Presentation body -->
</div>
<script src="_static/revealjs/js/revealjs.js"></script>
<!-- here!! -->
<script>
  let revealjsConfig = {};
  plugin_0 = {async: true, callback: function() { hljs.
    ↪initHighlightingOnLoad(); } };
  plugin_0.src = "_static/revealjs/plugin/highlight/highlight.js"
```

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```
revealjsConfig.dependencies.push(plugin_0);
revealjs.initialize(revealjsConfig);
</script>
```

## 3.3 Customize slide from document

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

If you want to configure one presentation from some, write `revealjs_slide` directive into reST document.

### 3.3.1 Directive usage

Write `revealjs_slide` directive on directly below of title header.

```
Presentation title
=====

.. revealjs_slide::
   :theme: moon

Section
-----

Content
```

### 3.3.2 Directive attributes

---

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

---

#### theme

Override `revealjs_style_theme`.

#### google\_font

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

## conf

Override `revealjs_script_conf`, but single line only.

## 3.4 Customize sections

To change behavior of sections, `sphinx-revealjs` provide some directives.

### 3.4.1 revealjs\_section

To change behavior per section, write directive per section.

#### Usage

Write `revealjs_slide` directive on directly below of section title header.

```
Title
=====

Section
-----

.. revealjs_section::
   :data-background-color: #009900
```

#### Attributes

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

### 3.4.2 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)
```



## Attributes

It accepts attributes as same as `revealjs_section`.

And it accepts `notitle` as unique feature.

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

## 3.5 Content directives

`sphinx-revealjs` provides features for contents of section.

### 3.5.1 revealjs\_fragments

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**Note:** There are cases not working regular.

---

Inject `fragment` attribute into objects.

## Usage

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

```
.. revealjs_fragments::  
  
    * First  
    * Second  
    * Third
```

See [demo](#)

## Reference

- <https://github.com/hakimel/reveal.js/#fragments>



## **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.



## LICENSES

This library is licensed Apache License version 2.0.

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

- 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>



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`