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# **sphinx-revealjs Documentation**

***Release 1.2.0***

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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

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**Note:** In update from 0.x to 1.x, it has breaking changes. See [Migration guide](#).

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## 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: 3.9
- 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 Migration guide

### 3.2.1 To 0.x -> 1.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`

## 3.3 Configurations

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

### 3.3.1 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.

## 3.3.2 Presentation Configurations

### revealjs\_use\_section\_ids

**Type** boolean

**Optional**

**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]

**Optional**

**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

**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 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",
        "options": """
            {async: true, callback: function() { hljs.initHighlightingOnLoad(); } }
            """
    }
]

```

```
<!-- For revealjs 3.x -->
<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"
  revealjsConfig.dependencies.push(plugin_0);
  revealjs.initialize(revealjsConfig);
</script>
```

```
<!-- For revealjs 4.x -->
<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>
```

## 3.4 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.

### 3.4.1 Directive usage

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

**Presentation title**

=====

```
.. revealjs_slide::
   :theme: moon
```

**Section**

-----

Content



### 3.4.2 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.

## 3.5 Customize sections

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

### 3.5.1 `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.

### 3.5.2 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.

## 3.6 Content directives

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

### 3.6.1 revealjs\_fragments

---

**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 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>





## INDICES AND TABLES

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