
DocUtils Extensions (by leliel12)

Documentation

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Contents:

SVG Template (Directive)

- **Directive Type:** “image”
- **Doctree Elements:** figure, image, caption, legend
- **Directive Arguments:** One, required (image URI).
- **Directive Options:** Possible.
- **Directive Content:** Interpreted as the figure caption and an optional legend.

A “svgt” is a figure (<http://docutils.sourceforge.net/docs/ref/rst/directives.html#figure>) rendered from a svg replaced all `${variables}` with a given values.

You can create the svg with any software (like inkscape) and put inside text variables formatted like `${variables}` and it will be replaced from the argument `vars`

NOTE: The directive depends on inkscape (<http://inkscape.org/>)

```
.. svgt:: /path/to/svg_file.svg

:vars: {"var_name0": "var_value0",
        "var_name1": "var_value1",
        ...,
        "var_nameN": "var_valueN"}
:dpi: 32
:inkscape_dir: /path/to/inkscape/directory/

This is the caption of the rendered svg (a simple paragraph).

The legend consists of all elements after the caption. In this
case, the legend consists of this paragraph and the following
table:
```

Symbol	Meaning
.. image:: tent.png	Campground
.. image:: waves.png	Lake
.. image:: peak.png	Mountain

There must be blank lines before the caption paragraph and before the legend. To specify a legend without a caption, use an empty comment (“..”) in place of the caption.

The “svgt” directive supports all of the options of the “figure” directive are passed on to the contained created figure.

In addition, the following options are recognized:

vars: *json string* An json string containing all the variable values to be replaced in the svg.

dpi: *non-negative int* The dpi of the image generated from svg (default: 72).

inkscape_dir: *path* The directory where the binary of inkscape lives (default: “”).

list_vars_and_exit: *flag* If you add this argument will be printed on standard output all the variables that are in the svg.

class `svgt.SVGTemplate` (*name, arguments, options, content, lineno, content_offset, block_text, state, state_machine*)

The svgt directive

`svgt.setup` (*app*)

SVG Template Sphinx Integration

This directive add a config value named `tempdir` (default: `_temp`) when the images are rendered.

Example

With this images



.



And this code

```
.. svgt:: images/temp.svg
   :vars: {"name": "Render with svgt", "url": "images/troll.png"}

   This is an example of render
```

Generate this:



Fig. 1.1: This is an example of render

Sphinx Integration

All this modules can be integrated into sphinx (<http://sphinx.pocoo.org/>) with only added it to the `conf.py` extension list.

Please read the `setup(app)` function in the module doc.

Links and other Stuff

- **Repo:** https://bitbucket.org/leliel12/docutils_ext
- **Downloads:** https://bitbucket.org/leliel12/docutils_ext/downloads
- **Bug Tracker:** https://bitbucket.org/leliel12/docutils_ext/issues

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