sphinxcontrib-sqltable Documentation
Release 1.0

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CONTENTS

`sphinxcontrb-sqltable` is an extension to [Sphinx](https://www.sphinx-doc.org) to allow authors to embed SQL statements in source documents and produce tabular output in rendered documents.

FEATURES

1. Supports all databases accessible via SQLAlchemy.

2. Supports global and query-specific database connection strings.

DETAILS

2.1 Examples

The following examples use a SQLite database containing:

```
CREATE TABLE users (
        name  text,
        email text
        );

INSERT INTO users (name, email) VALUES ('John', 'john@example.com');
INSERT INTO users (name, email) VALUES ('Jane', 'jane@example.com');
INSERT INTO users (name, email) VALUES ('Bobby', 'bobby@example.com');
INSERT INTO users (name, email) VALUES ('Suzy', 'suzy@example.com');
```

2.1.1 Local Connection String

Use the connection_string option to specify the database to be used for a single query.

```
.. sqltable:: List of Users
   :connection_string: sqlite:////tmp/sampledata.db

   select name as 'Name', email as 'E-mail' from users
   order by Name asc
```

produces this table:

Table 1: List of Users

Name	E-mail
Bobby	bobby@example.com
Jane	jane@example.com
John	john@example.com
Suzy	suzy@example.com

2.1.2 Missing Connection String

Leaving out the connection_string option produces an error:

```
.. sqltable:: List of Users

    select name as 'Name', email as 'E-mail' from users
    order by Name asc
```

results in

```
$ sphinx-build -b html -d _build/doctrees   . _build/html
Running Sphinx v1.1.2
Initializing SQLTable
loading pickled environment... done
building [html]: targets for 1 source files that are out of date
updating environment: 0 added, 1 changed, 0 removed
Connecting to sqlite:///sampledata.db
Running query u"select name as 'Name', email as 'E-mail' from users\norder by Name asc
↪"

.../docs/example.rst:45: ERROR: No connection_string or sqltable_connection_string␣
↪was specified for sqltable
```

2.2 Installation

2.2.1 Installing sphinxcontrib-sqltable

1. Install the extension with pip: `pip install sphinxcontrib-sqltable`

2.2.2 Configuration

1. Add `'sphinxcontrib.sqltable'` to the `extensions` list in `conf.py`.

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

2. Set `sqltable_connection_string` in `conf.py` to point to the database to be used for the queries. See also *Configuration Options*.

2.3 Configuration Options

2.3.1 Global Options

These options can be set in `conf.py` along with the other Sphinx configuration settings.

sqltable_connection_string String specifying the default database to be used for queries, in the format expected by SQLAlchemy.

2.3.2 Directive Options

These options can be set each time the `sqltable` directive is used.

widths A comma- or space-separated list of relative column widths. The default is equal-width columns (100%/#columns).

class Set a "classes" attribute value on the doctree element generated by the directive. Useful for controlling style with CSS.

name Add text to the "names" attribute of the doctree element generated by the directive. This allows hyperlink references to the element using text as reference name.

connection_string String specifying the database to be used for queries, in the format expected by SQLAlchemy. Overrides any value of `sqltable_connection_string` set in the `conf.py`.

2.4 Developers

If you would like to contribute to sphinxcontrib.sqltable directly, these instructions should help you get started. Patches, bug reports, and feature requests are all welcome through the Github. Contributions in the form of patches or pull requests are easier to integrate and will receive priority attention.

2.4.1 Building Documentation

The documentation for sphinxcontrib.sqltable is written in reStructuredText and converted to HTML using Sphinx. The build itself is driven by make. You will need the following packages in order to build the docs:

- Sphinx
- docutils
- sphinxcontrib.sqltable

Once all of the tools are installed into a virtualenv using pip, run `make html` to generate the HTML version of the documentation.

2.5 Release History

2.5.1 2.0.0

- Drop python 2 support.
- Fix documentation build on readthedocs.org.

2.5.2 1.1.0

- Use pbr for packaging.

2.5.3 1.0

- First public release.