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# **pybtex-docutils Documentation**

*Release 1.0.1*

**Matthias C. M. Troffaes**

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## 1.1 Getting Started

### 1.1.1 Overview

## 1.2 pybtex-docutils

A docutils backend for pybtex.

- Download: <https://pypi.org/project/pybtex-docutils/#files>
- Documentation: <https://pybtex-docutils.readthedocs.io/>
- Development: <http://github.com/mcmtroffaes/pybtex-docutils/>

### 1.2.1 Installation

Install the module with `pip install pybtex-docutils`, or from source using `python setup.py install`.

### 1.2.2 Minimal Example

```
import io
import pybtex.database.input.bibtex
import pybtex.plugin

style = pybtex.plugin.find_plugin('pybtex.style.formatting', 'plain')()
backend = pybtex.plugin.find_plugin('pybtex.backends', 'docutils')()
parser = pybtex.database.input.bibtex.Parser()
```

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```

data = parser.parse_stream(io.StringIO(u"""
@Book{1985:lindley,
  author = {D. Lindley},
  title = {Making Decisions},
  publisher = {Wiley},
  year = {1985},
  edition = {2nd},
}
"""))
for entry in style.format_entries(data.entries.values()):
    print(backend.paragraph(entry))

```

would produce:

```

<paragraph>
  D. Lindley. <emphasis>Making Decisions</emphasis>.
  Wiley, 2nd edition, 1985.
</paragraph>

```

## 1.3 API

The backend renders `pybtex.richtext.Text` instances into a list of `docutils.nodes.Node` instances. For typical use cases, all you need to care about are the methods `Backend.paragraph()`, `Backend.citation()`, and `Backend.citation_reference()` which are to be called on *formatted* entries, as in the *minimal example*.

Unless you are subclassing `Backend` to create a new backend, you should normally not import the `pybtex_docutils` module directly. Instead, use pybtex's plugin system to get the `Backend` class, as in the *minimal example*.

```

class pybtex_docutils.Backend(encoding=None)
    Bases: pybtex.backends.BaseBackend

```

### RenderType

alias of `builtins.list`

**citation** (*entry*: `FormattedEntry`, *document*: `docutils.nodes.document`, *use\_key\_as\_label*=`True`) → `docutils.nodes.citation`

Return citation node, with key as name, label as first child, and paragraph with entry text as second child. The citation is expected to be inserted into *document* prior to any docutils transforms.

**citation\_reference** (*entry*: `FormattedEntry`, *document*: `docutils.nodes.document`, *use\_key\_as\_label*=`True`) → `docutils.nodes.citation_reference`

Return `citation_reference` node to the given citation. The `citation_reference` is expected to be inserted into *document* prior to any docutils transforms.

**footnote** (*entry*: `FormattedEntry`, *document*: `docutils.nodes.document`) → `docutils.nodes.footnote`

Return footnote node, with key as name, and paragraph with entry text as child. The footnote is expected to be inserted into *document* prior to any docutils transforms.

New in version 0.2.2.

**footnote\_reference** (*entry*: `FormattedEntry`, *document*: `docutils.nodes.document`) → `docutils.nodes.footnote_reference`

Return `footnote_reference` node to the given citation. The `footnote_reference` is expected to be inserted into *document* prior to any docutils transforms.

New in version 0.2.2.



**paragraph** (*entry*: *FormattedEntry*) → docutils.nodes.paragraph  
Return a docutils.nodes.paragraph containing the rendered text for *entry* (without label).  
New in version 0.2.0.

## 1.4 Changes

### 1.4.1 1.0.1 (in development)

- Add py.typed so mypy finds the type annotations.
- Switch to github actions for regression testing.

### 1.4.2 1.0.0 (15 January 2021)

- Drop Python 2.7, 3.4, and 3.5 support.
- Add type annotations.
- Add support for sub and sup tags.

### 1.4.3 0.2.2 (9 October 2019)

- Drop Python 3.3 support.
- New footnote and footnote\_reference methods for docutils footnote support.

### 1.4.4 0.2.1 (8 December 2014)

- Add Python 3.4 support, drop Python 3.2 support.
- Support more tags, also fail gracefully on unknown tags (see issue #6, reported by Jellby).
- Use universal wheel for distribution.

### 1.4.5 0.2.0 (8 August 2013)

- **BACKWARD INCOMPATIBLE** The backend now renders into a list of docutils nodes instead of a single docutils node.
- New `paragraph()` method to render an entry into a single docutils paragraph.
- The `<inline>` wrapper nodes are no more, leading to much simpler generated code.
- Full test coverage.
- Generated citation nodes now contain text inside a paragraph.
- Minimal example.

### 1.4.6 0.1.0 (7 August 2013)

- Copied the backend from pybtex.
- Initial documentation.
- Initial tests and travis.ci integration.

## 1.5 License

pybtex-docutils is a docutils backend for pybtex  
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## CHAPTER 2

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### Indices and tables

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