
jsonhome Documentation

Release

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Contents:

jsonhome

Helpers for handling jsonhome documents

- Free software: Apache license
- Documentation: <https://readthedocs.org/projects/jsonhome>
- Source: <https://github.com/jamielennox/jsonhome>
- Bugs: <http://bugs.launchpad.net/python-jsonhome>

1.1 Introduction

The jsonhome library provides a simple way to build and consume compliant json-home documents.

1.2 Building

To build a jsonhome document you create a document and then add resources:

```
>>> import jsonhome

>>> doc = jsonhome.Document()

>>> doc.add_resource('http://mysite.com/rel/widgets',
...                  uri='/widgets{/widget_id}',
...                  uri_vars={'widget_id': 'http://mysite.com/param/widget'},
...                  allow_get=True,
...                  accept_post=['application/json'])

>>> print(doc.to_json())
{
  "resources": {
    "http://mysite.com/rel/widgets": {
      "href-template": "/widgets{/widget_id}",
      "href-vars": {
        "widget_id": "http://mysite.com/param/widget"
      },
      "hints": {
        "accept-post": [
          "application/json"
        ],
```

```
        "allow": [
            "GET",
            "POST"
        ]
    }
}
```

Additional parameters to creating resources can be found on the module documentation.

1.3 Consuming

To consume a json-home document you load it and then fetch the URIs you need:

```
>>> doc = jsonhome.Document.from_json(data)

>>> print(doc.get_uri('http://mysite.com/rel/widgets', widget_id='1234')
'/widgets/1234')
```

Or for specific information you can find helpers on the resource:

```
>>> print(doc['http://mysite.com/rel/widgets'].href_vars)
{"widget_id": "http://mysite.com/param/widget"}
```

Installation

At the command line:

```
$ pip install jsonhome
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv jsonhome  
$ pip install jsonhome
```

Usage

To use jsonhome in a project:

```
import jsonhome
```

Contributing

Indices and tables

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