jsonresolver Documentation

Release 0.2.2.dev20160415

CERN

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Contents

JSON data resolver with support for plugins.

This is an experimental developer preview release.

- Free software: BSD license
- Documentation: https://jsonresolver.readthedocs.io/

CHAPTER 1

User's Guide

This part of the documentation will show you how to get started in using JSONResolver.

1.1 Installation

JSONResolver is on PyPI so all you need is:

```
$ pip install jsonresolver
```

1.2 Usage

JSON data resolver with support for plugins.

CHAPTER 2

API Reference

If you are looking for information on a specific function, class or method, this part of the documentation is for you.

2.1 API Docs

2.1.1 JSONResolver

Resolve JSON objects from different URLs.

class `jsonresolver.core.`**`JSONResolver`**(*plugins=None*, *entry_point_group=None*)

Resolve JSON objects based on rules in URL map.

`resolve`(*url*)

Resolve given URL and use registered loader.

2.1.2 Contrib

This package contains utilities for various JSON packages.

Usually one has to install extra dependencies.

If you would like to use reference resolver factory for `jsonschema` please install `jsonresolver` with `jsonschema` extras.

```
$ pip install jsonresolver[jsonschema]
```

JSONSchema

JSONRef

CHAPTER 3

Additional Notes

Notes on how to contribute, legal information and changes are here for the interested.

3.1 Contributing

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

3.1.1 Types of Contributions

Report Bugs

Report bugs at https://github.com/inveniosoftware/jsonresolver/issues.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.

Write Documentation

JSONResolver could always use more documentation, whether as part of the official JSONResolver docs, in docstrings, or even on the web in blog posts, articles, and such.

Submit Feedback

The best way to send feedback is to file an issue at https://github.com/inveniosoftware/jsonresolver/issues.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

3.1.2 Get Started!

Ready to contribute? Here's how to set up *invenio* for local development.

1. Fork the *invenio* repo on GitHub.
2. Clone your fork locally:

   ```
   $ git clone git@github.com:your_name_here/jsonresolver.git
   ```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

   ```
   $ mkvirtualenv jsonresolver
   $ cd jsonresolver/
   $ pip install -e .[all]
   ```

4. Create a branch for local development:

   ```
   $ git checkout -b name-of-your-bugfix-or-feature
   ```

   Now you can make your changes locally.

5. When you're done making changes, check that your changes pass tests:

   ```
   $ ./run-tests.sh
   ```

   The tests will provide you with test coverage and also check PEP8 (code style), PEP257 (documentation), flake8 as well as build the Sphinx documentation and run doctests.

6. Commit your changes and push your branch to GitHub:

   ```
   $ git add .
   $ git commit -s -m "Your detailed description of your changes."
   $ git push origin name-of-your-bugfix-or-feature
   ```

7. Submit a pull request through the GitHub website.

3.1.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests and must not decrease test coverage.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring.

3. The pull request should work for Python 2.7, 3.3, 3.4 and 3.5. Check https://travis-ci.com/inveniosoftware/jsonresolver/pull_requests and make sure that the tests pass for all supported Python versions.

3.2 Changes

3.2.1 Version 0.2.1 (released 2016-04-15)

Bug fixes

- Fixes issue with exceptions raised during e.g. resolver plugin loading being caught and not propagated.

3.2.2 Version 0.2.0 (released 2016-04-06)

Incompatible changes

- Changes resolving to be based on hostname without 'http://' prefix.

Bug fixes

- Fixes issues with the hostname not being matched resulting in the same route on two hosts not to work.

3.2.3 Version 0.1.1 (released 2015-12-11)

Improved features

- Delays the url_map building until first resolve request.

3.2.4 Version 0.1.0 (released 2015-11-18)

- Initial public release.

3.3 License

```
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```

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JSON data resolver with support for plugins.

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