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# **r2ds-api Documentation**

***Release 0.1.2***

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**Apr 30, 2018**



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R2DS Python API

## 1.1 QuickStart

- Documentation: <https://r2ds-api.readthedocs.io>.

```
pip install r2ds_api
```

## 1.2 Example

```
import r2ds_api

response = r2ds.get("EXAMPLE AUTH KEY", {
    "score__gt": 100
})
print(response.json())
```

## 1.3 Features

- R2DS Search and filtering
- Topic Notifications
- Streaming

## 1.4 More Information

- <https://r2ds.tonkworks.com/>
- <https://r2ds.tonkworks.com/api/>

### 2.1 Stable release

To install r2ds-api, run this command in your terminal:

```
$ pip install r2ds_api
```

This is the preferred method to install r2ds-api, as it will always install the most recent stable release.

If you don't have [pip](#) installed, this [Python installation guide](#) can guide you through the process.

### 2.2 From sources

The sources for r2ds-api can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/tonkworks/r2ds_api
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/tonkworks/r2ds_api/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```





## CHAPTER 3

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### Usage

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To use r2ds-api in a project:

```
import r2ds_api
```



### 4.1 r2ds\_api package

#### 4.1.1 Submodules

#### 4.1.2 r2ds\_api.r2ds\_api module

#### 4.1.3 Module contents

Top-level package for r2ds-api.



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

## 5.1 Types of Contributions

### 5.1.1 Report Bugs

Report bugs at [https://github.com/tonkworks/r2ds\\_api/issues](https://github.com/tonkworks/r2ds_api/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.

### 5.1.2 Fix Bugs

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

### 5.1.3 Implement Features

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

### 5.1.4 Write Documentation

r2ds-api could always use more documentation, whether as part of the official r2ds-api docs, in docstrings, or even on the web in blog posts, articles, and such.

### 5.1.5 Submit Feedback

The best way to send feedback is to file an issue at [https://github.com/tonkworks/r2ds\\_api/issues](https://github.com/tonkworks/r2ds_api/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 :)

## 5.2 Get Started!

Ready to contribute? Here's how to set up *r2ds\_api* for local development.

1. Fork the *r2ds\_api* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/r2ds_api.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 r2ds_api
$ cd r2ds_api/
$ python setup.py develop
```

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 flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 r2ds_api tests
$ python setup.py test or py.test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

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

```
$ git add .
$ git commit -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.

## 5.3 Pull Request Guidelines

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

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.7, 3.4, 3.5 and 3.6, and for PyPy. Check [https://travis-ci.org/tonkworks/r2ds\\_api/pull\\_requests](https://travis-ci.org/tonkworks/r2ds_api/pull_requests) and make sure that the tests pass for all supported Python versions.

## 5.4 Tips

To run a subset of tests:

```
$ py.test tests.test_r2ds_api
```

## 5.5 Deploying

A reminder for the maintainers on how to deploy. Make sure all your changes are committed (including an entry in HISTORY.rst). Then run:

```
$ bumpversion patch # possible: major / minor / patch
$ git push
$ git push --tags
```

Travis will then deploy to PyPI if tests pass.





#### 6.1 0.1.0 (2018-04-08)

- First release on PyPI.



## CHAPTER 7

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### Indices and tables

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



**r**

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## R

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