
catpy Documentation

Release 0.1.0

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CHAPTER 1

catpy

Python client for the [CATMAID](#) API

Stable release

To install catpy, run this command in your terminal:

```
$ pip install catpy
```

This is the preferred method to install catpy, 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.

From sources

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

You can either clone the public repository:

```
$ git clone git://github.com/catmaid/catpy
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/catmaid/catpy/tarball/master
```

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

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


CHAPTER 3

Usage

To use catpy in a project:

```
import catpy

client = catpy.CatmaidClient(
    'https://YourCatmaidServer.org/catmaid',
    'Your CATMAID API token string')

query = {'object_ids': 42}
annotations = client.fetch('1/annotations/query', method='POST', data=query)
```

Instructions for getting your CATMAID API token string are available [in the CATMAID documentation](#).

If the CATMAID server requires HTTP basic authentication, initialize the `CatmaidClient` with `auth_name` and `auth_pass` keyword arguments.

Contributions are welcome. Before developing a feature or submitting a pull request, you may want to check the [issue tracker](#) to see if there is discussion about a similar idea.

Development

Here's how to set up *catpy* for local development.

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

```
$ git clone git@github.com:your_name_here/catpy.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 catpy
$ cd catpy/
$ 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 catpy tests
$ python setup.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.

Creators

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Contributors

See the git log, also available on [GitHub](#).

Acknowledgements

catpy uses a packaging and build harness [cookiecutter](#) template.

0.1.0 (2017-05-12)

- First release on PyPI.

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Indices and tables

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