
NTPDateTime Documentation

Release 0.1.7

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Contents:

CHAPTER 1

NTPDateTime

Extend datetime module so it can return the time fetched from an NTP server

- Free software: ISC license
- Documentation: <https://ntpdatetime.readthedocs.org>.

1.1 Features

- Get the current time fetched from an NTP poolserver

1.2 Credits

Tools used in rendering this package:

- [Cookiecutter](#)
- [cookiecutter-pypackage](#)

CHAPTER 2

Installation

At the command line:

```
$ easy_install ntpdatetime
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv ntpdatetime  
$ pip install ntpdatetime
```


CHAPTER 3

Usage

To use NTPDateTime:

```
>>> from ntpdatetime import now
>>> ntp_now, fetched = now()
>>> ntp_now
NTPDateTime(2015, 11, 26, 2, 14, 36, 932243)
>>> fetched
True
>>> ntp_now.strftime('%d-%m-%Y %H:%M:%S')
'01-12-2015 21:46:19'
```


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

4.1 Types of Contributions

4.1.1 Report Bugs

Report bugs at <https://github.com/igroen/ntpdatetime/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.

4.1.2 Fix Bugs

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

4.1.3 Implement Features

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

4.1.4 Write Documentation

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

4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/igroen/ntpdatetime/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 :)

4.2 Get Started!

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

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

```
$ git clone git@github.com:your_name_here/ntpdatetime.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 ntpdatetime
$ cd ntpdatetime/
$ 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 ntpdatetime 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.

4.3 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 2.6, 2.7, 3.3, and 3.4, and for PyPy. Check https://travis-ci.org/igroen/ntpdatetime/pull_requests and make sure that the tests pass for all supported Python versions.

4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_ntpdatetime
```


5.1 Development Lead

- Iwan in 't Groen <iwanintgroen@gmail.com>

5.2 Contributors

- mdxs

CHAPTER 6

History

CHAPTER 7

0.1.0 (2015-11-25)

- First release on PyPI.

CHAPTER 8

0.1.1 (2015-11-26)

- `ntp_now()` Now returns a tuple containing the current datetime and a boolean value:

```
True # Time was fetched from an NTP server
False # Error occurred when connection to an NTP poolserver. System datetime is_
↪returned
```


CHAPTER 9

0.1.2 (2015-11-27)

- Patch for release on pypi. Old version (0.1.1) was removed and cannot be released again.

CHAPTER 10

0.1.3 (2015-12-01)

- Update unittests

CHAPTER 11

0.1.4 (2015-12-01)

- Mock all request
- Update docstrings

CHAPTER 12

0.1.5 (2015-12-02)

- Add flake8 test to travis configuration
- Update development settings in requirements_dev.txt

CHAPTER 13

0.1.6 (2017-03-04)

- Remove requirements_dev.txt

CHAPTER 14

0.1.7 (2019-05-04)

- Fixed typo in comment
- Update travis build to use python3.7

CHAPTER 15

Indices and tables

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