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# **NTPDateTime Documentation**

*Release 0.1.7*

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Contents:



# CHAPTER 1

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## NTPDateTime

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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

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### Installation

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At the command line:

```
$ easy_install ntpdatetime
```

Or, if you have virtualenvwrapper installed:

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



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](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

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History

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## CHAPTER 7

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0.1.0 (2015-11-25)

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- First release on PyPI.



## CHAPTER 8

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0.1.1 (2015-11-26)

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- `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

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0.1.2 (2015-11-27)

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



## CHAPTER 10

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0.1.3 (2015-12-01)

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- Update unittests



# CHAPTER 11

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0.1.4 (2015-12-01)

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- Mock all request
- Update docstrings



## CHAPTER 12

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0.1.5 (2015-12-02)

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- Add flake8 test to travis configuration
- Update development settings in requirements\_dev.txt



## CHAPTER 13

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0.1.6 (2017-03-04)

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- Remove requirements\_dev.txt



## CHAPTER 14

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0.1.7 (2019-05-04)

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



## CHAPTER 15

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### Indices and tables

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