

---

# OneBot Documentation

*Release 0.1.0*

**Thom Wiggers**

**Jun 14, 2023**



---

## Contents

---

<b>1</b>	<b>OneBot</b>	<b>3</b>
1.1	Features . . . . .	3
<b>2</b>	<b>Installation</b>	<b>5</b>
<b>3</b>	<b>Usage</b>	<b>7</b>
3.1	Configuration . . . . .	7
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	11
<b>5</b>	<b>Credits</b>	<b>13</b>
5.1	Development Lead . . . . .	13
5.2	Contributors . . . . .	13
<b>6</b>	<b>History</b>	<b>15</b>
6.1	1.3.3 (2019-08-26) . . . . .	15
6.2	1.3.2 (2018-08-23) . . . . .	15
6.3	1.3.1 (2018-08-23) . . . . .	15
6.4	1.3.0 (2018-08-13) . . . . .	15
6.5	1.2.1 (2018-03-05) . . . . .	15
6.6	1.2.0 (2017-10-31) . . . . .	16
6.7	1.1.0 (2017-04-01) . . . . .	16
6.8	1.0.0 (2016-07-17) . . . . .	16
6.9	0.1.0 (2015-??) . . . . .	16
6.10	0.0.0 (2014-05-21) . . . . .	16
<b>7</b>	<b>Indices and tables</b>	<b>17</b>



Contents:





OneBot is an ircbot based on irc3

- Free software: BSD license
- Documentation: <http://onebot.rtfid.org>.

## 1.1 Features

- Database plugin
- Last.FM plugin
- Trakt.TV plugin
- Advanced user system
- Advanced ACL
- URL information
- Utility commands

These features are available through plugins.





## CHAPTER 2

---

### Installation

---

To run OneBot you need at least Python 3.4.

At the command line:

```
$ pip install onebot
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv onebot  
$ pip install onebot
```

You should now have the `onebot` command available.



Use the `onebot` command to run stuff.

### 3.1 Configuration

You can use this sample configuration file:

```
[bot]
nick=OneBotTest
username=TwoBot
host=my.irc.network

port=6697
ssl=true
# uncomment this if you don't want to check the certificate
# ssl_verify = CERT_NONE

includes=
  irc3.plugins.uptime
  onebot.plugins.acl
  onebot.plugins.lastfm
  onebot.plugins.trakt
  onebot.plugins.botui
  onebot.plugins.whatcd
  irc3.plugins.autojoins
  onebot.plugins.urlinfo
# add your plugins here

autojoins=
  ${hash}channel

# see http://irc3.readthedocs.io/en/latest/plugins/storage.html#module-irc3.plugins.
↪ storage
```

(continues on next page)

(continued from previous page)

```
#storage = unix:///var/run/redis/redis.sock?db=10
storage = shelve:///tmp/test.shelf

# Plugin settings are noted as follows
[irc3.plugins.command]
cmd = .
guard=onebot.plugins.acl.user_based_policy

[onebot.plugins.users]
identify_by = mask

[onebot.plugins.acl]
# Pre-seed acl
superadmin=me@my.awesome.host

[onebot.plugins.lastfm]
api_key = myapikey
api_secret = myapikey

[onebot.plugins.trakt]
client_id = myclientid
```

Most options should mostly speak for themselves. Note that the plugin settings are (obviously) plugin-dependant. You should consult the manual for each plugin to figure out what you need to set.

This project is based on *irc3*. *irc3* plugins are compatible with OneBot. Some OneBot plugins make use of *irc3* modules. See the module `onebot.plugin`. You should consult the [irc3 documentation](#) for information about *irc3* plugins.

`onebot .run (argv=None)`

Run OneBot from a config file

Usage: `onebot [options] <config>...`

Options:

<code>--logdir DIRECTORY</code>	Log directory to use instead of stderr
<code>--logdate</code>	Show datetimes <b>in</b> console output
<code>-r, --raw</code>	Show raw IRC log on the console
<code>-v, --verbose</code>	Increase verbosity
<code>-d, --debug</code>	Add debug commands/utils

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/thomwiggers/onebot/issues>.

If you are reporting a bug running an instance, please include:

- Your operating system name and version.
- Python version and versions of dependencies (*pip freeze* output)
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

If you are reporting a bug using an IRC plugin or command, include the output.

### 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

OneBot could always use more documentation, whether as part of the official OneBot 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/thomwiggers/onebot/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 *onebot* for local development.

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

```
$ git clone git@github.com:your_name_here/onebot.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 onebot
$ cd onebot/
$ 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 onebot 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 3.4 and 3.5. Check [https://travis-ci.org/thomwiggers/onebot/pull\\_requests](https://travis-ci.org/thomwiggers/onebot/pull_requests) and make sure that the tests pass for all supported Python versions.
4. Don't forget to add yourself to `CONTRIBUTORS.rst`!





### 5.1 Development Lead

- Thom Wiggers <thom@thomwiggers.nl>

### 5.2 Contributors

- Jim Rollenhagen <jim@jimrollenhagen.com>
  - Unit test refactor (PR #1)
- Joost Rijneveld <joost@joostrijneveld.nl>
  - PSA plugin (PR #32)
- Mathew ‘Mattbox’
  - Musicbrainz tags, PSA tests, plugin reload (PR #36)
- Gerdriaan Mulder ‘@mrngm’
  - Change urlinfo character limit to 320, helps twitter urls (PR #38)



### 6.1 1.3.3 (2019-08-26)

- *irc3's async plugin got renamed to asynchronous*. This means we now require *irc3*  $\geq 1.1.3$
- In the URL plugin: read the response in 100KiB chunks and timeout

### 6.2 1.3.2 (2018-08-23)

- Actually release the below fix

### 6.3 1.3.1 (2018-08-23)

- Add *Compatible: curl* to *User-Agent* for *urlinfo.py* (contributed by [@mrngm PR #39](#))

### 6.4 1.3.0 (2018-08-13)

- Support Python 3.7 (Requires *irc3*  $\geq 1.1$ )

### 6.5 1.2.1 (2018-03-05)

- Change *urlinfo* character limit to 320, helps twitter urls (contributed by [@mrngm PR #38](#))

## 6.6 1.2.0 (2017-10-31)

- Truncate too long `<title>` tags in `urlinfo` output.
- Drop Python 3.3, 3.4 support

## 6.7 1.1.0 (2017-04-01)

- PSA Plugin (contributed by [@joostrijneveld](#): [PR #32](#))
- Various contributions by [@Mattbox](#): [PR #36](#) \* Use musicbrainz tags instead of last.fm \* Tests for PSA plugin \* reload command
- Remove `compare` command as it's dead on Last.fm
- Remove `mbid` lookups on Last.fm as they're broken

## 6.8 1.0.0 (2016-07-17)

I get around to finally posting this shit.

## 6.9 0.1.0 (2015-??)

First production usage

## 6.10 0.0.0 (2014-05-21)

Start of development

## CHAPTER 7

---

### Indices and tables

---

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