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# **FreeboxOS Command Line Client Documentation**

*Release 0.1.0*

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# Introduction

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The **python-freeboxclient** is a Command Line Interface to the FreeboxOS using the [API](#)





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# Installation

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## 2.1 Python Versions

**python-freeboxclient** is being developed under Python 2.7.

## 2.2 Dependencies

**python-freeboxclient** depends on `distribute`, the updated replacement for `setuptools`.

## 2.3 Basic Installation

**python-freeboxclient** should be installed into the same site-packages area where the application and extensions are installed (either a virtualenv or the global site-packages). You may need administrative privileges to do that. The easiest way to install it is using `pip`:

```
$ pip install python-freeboxclient
```

or:

```
$ sudo pip install python-freeboxclient
```

## 2.4 Source Code

The source is hosted on github: <https://github.com/nlamirault/python-freeboxclient>

## 2.5 Reporting Bugs

Please report bugs through the github project: <https://github.com/nlamirault/python-freeboxclient/issues>



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# Howto

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## 3.1 Help

The CLI could display all available commands:

```
$ freeboxos -h
usage: freeboxos [--version] [-v] [--log-file LOG_FILE] [-q] [-h] [--debug]
```

```
freeboxos
```

```
optional arguments:
```

```
  --version            show program's version number and exit
  -v, --verbose        Increase verbosity of output. Can be repeated.
  --log-file LOG_FILE Specify a file to log output. Disabled by default.
  -q, --quiet          suppress output except warnings and errors
  -h, --help           show this help message and exit
  --debug             show tracebacks on errors
```

```
Commands:
```

```
  about              A command that prints information about this tool.
  config             A command that prints available configuration.
  [...]
  help              print detailed help for another command
```

## 3.2 Configuration

Creates a personal configuration file in **\$HOME/.config** directory:

```
.. code-block:: bash
```

```
$ cat $HOME/.config/freeboxos.yml app_id: 'python-freeboxclient' app_name: 'Python-Freeboxclient'
app_version: '0.1.0' device_name: 'Python-Freeboxclient-Laptop'
```

## 3.3 Authorization

Each application identified with an `app_name` must gain access to Freebox API before being able to use the api.

This procedure can only be initiated from the local network, and the user must have access to the Freebox front panel to grant access to the app.

### 3.3.1 Request authorization

The app will ask for an authorization using the following call. A message will be displayed on the Freebox LCD asking the user to grant/deny access to the requesting app:

```
.. code-block:: bash

    $ freeboxos freebox authorize [FreeboxCmd] Authorization request Starting new HTTP connection (1):
    mafreebox.freebox.fr Accept this application. Look at the LCD screen.
```

### 3.3.2 Track authorization progress

The app should monitor the status until it is different from pending:

```
.. code-block:: bash

    $ freeboxos freebox approved [FreeboxCmd] Check Authorization Application already granted on the
    FreeboxOS.
```

### 3.3.3 Login

Before doing any requests to the Freebox OS, you must request a challenge:

```
$ freeboxos freebox login
[FreeboxCmd] Login
Freebox Login OK
```

### 3.3.4 Open a session

Once you have the authorization for your application, you just need to start a new session:

```
.. code-block:: bash

    $ freeboxos freebox session open [FreeboxCmd] Open session Freebox Session opened.
```

### 3.3.5 Close a session

To close the current session you can use the following call:

```
.. code-block:: bash

    $ freeboxos freebox stop_session
```

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# Licensing

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## 4.1 Auteurs

python-freeboxclient is written and maintained by Nicolas Lamirault.

### 4.1.1 Development Lead

- Nicolas Lamirault <nicolas.lamirault@gmail.com>

### 4.1.2 Patches and Suggestions

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Version 2.0, January 2004

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# ChangeLog

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## 5.1 Version 0.1.0 (2013-12-12)

- Call to retrieve api\_version
- Add Pypi packaging
- Init TravisCI configuration
- Init project using Cliff framework.



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# Contributing

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Code is hosted on [GitHub](#).



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# Index

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