pif Documentation

Release 0.8.2

Artur Barseghyan <artur.barseghyan@gmail.com>

December 23, 2016

Contents

1 Prerequisites **3**

2 Installation **5**

3 Usage and examples **7**

3.1 Basic usage 7

3.2 Registering a custom IP checker 7

3.3 Command line usage 8

4 Testing **9**

5 License **11**

6 Support **13**

7 Author **15**

8 Indices and tables **17**

Discovers your public IP address using pre-defined checkers (external services).

CHAPTER 1

Prerequisites

- Python 2.7, 3.4, 3.5, PyPy

CHAPTER 2

Installation

Install with latest stable version from PyPI:

```
pip install pif
```

or install the latest stable version from source:

```
pip install https://bitbucket.org/barseghyanartur/pif/get/stable.tar.gz
```

or install into python path:

```
python setup.py install
```

That's all. See the *Usage and examples* section for more.

CHAPTER 3

Usage and examples

3.1 Basic usage

Get public IP:

```
from pif import get_public_ip
get_public_ip()
```

Get public IP using preferred checker:

```
get_public_ip('v4.ident.me')
```

List available checkers:

```
from pif.utils import list_checkers
list_checkers()
```

3.2 Registering a custom IP checker

pif ships with a number of pre-defined public IP checkers. But you may extend it by defining your own ones as follows.

```
from pif.base import BaseIPChecker, registry

class MyPublicIPChecker(BaseIPChecker):

    uid = 'mypublicipchecker' # UID of the checker

    def get_public_ip(self):
        # TODO: Implement your logic


# Register the checker
registry.register(MyPublicIPChecker)

# Get public IP using the preferred checker
get_public_ip('mypublicipchecker')
```

3.3 Command line usage

It's possible to get your public IP address from command line using the *pif.commands.get_public_ip* module.

```
optional arguments:
  -h, --help            show this help message and exit
  -c PREFERRED_CHECKER, --checker PREFERRED_CHECKER
                        `preferred_checker` value
  -v VERBOSE, --verbose VERBOSE
                     `verbose` value
```

Example (simple)

```
get-public-ip
```

Example (with preferred checked and verbose output)

```
get-public-ip -c v4.ident.me -v 1
```

CHAPTER 4

Testing

Simply type:

```
./runtests.py
```

or use tox:

```
tox
```

or use tox to check specific env:

```
tox -e py35
```

CHAPTER 5

License

GPL 2.0/LGPL 2.1

CHAPTER 6

Support

For any issues contact me at the e-mail given in the *Author* section.

CHAPTER 7

Author

Artur Barseghyan <artur.barseghyan@gmail.com>

CHAPTER 8

Indices and tables

- genindex
- modindex
- search