pif Documentation

Release 0.7

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

CHAPTER 1

Installation

Install with latest stable version from PyPI

```
$ pip install pif
```

or install the latest stable version from source

```
$ pip install -e hg+https://bitbucket.org/barseghyanartur/pif@stable#egg=pif
```

or install into python path

```
$ python setup.py install
```

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

CHAPTER 2

Usage and examples

2.1 Basic usage

Get public IP

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

Get public IP using preferred checker

```
>>> get_public_ip('whatismyip.com')
```

List available checkers

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

2.2 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):
>>>         # Implement your logic
>>>
>>> registry.register(MyPublicIPChecker) # Register the checker
>>>
>>> get_public_ip('mypublicipchecker') # Get public IP using the preferred checker
```

2.3 Command line usage

It's possible to generate a signed URL 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 whatismyip.com -v 1

CHAPTER 3

License

GPL 2.0/LGPL 2.1

CHAPTER 4

Support

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

CHAPTER 5

Author

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CHAPTER 6

Indices and tables

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