fake-useragent Documentation

Release master

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Contents

info Up to date simple useragent faker with real world database

Features

- grabs up to date `useragent` from useragentstring.com
- randomize with real world statistic via w3schools.com

1.1 Installation

```
pip install fake-useragent
```

1.2 Usage

```python
from fake_useragent import UserAgent
ua = UserAgent()

ua.ie
# Mozilla/5.0 (Windows; U; MSIE 9.0; Windows NT 9.0; en-US);
ua.msie
# Mozilla/5.0 (compatible; MSIE 10.0; Macintosh; Intel Mac OS X 10_7_3; Trident/6.0)'
ua['Internet Explorer']
# Mozilla/5.0 (compatible; MSIE 8.0; Windows NT 6.1; Trident/4.0; GTB7.4; InfoPath.2;
→SV1; .NET CLR 3.3.69573; WOW64; en-US)
ua.opera
# Opera/9.80 (X11; Linux i686; U; ru) Presto/2.8.131 Version/11.11
ua.chrome
# Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.2 (KHTML, like Gecko) Chrome/22.0.1216.
→0 Safari/537.2'
ua.google
# Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/537.13 (KHTML, like
→Gecko) Chrome/24.0.1290.1 Safari/537.13
ua['google chrome']
```

```python
# Mozilla/5.0 (X11; CrOS i686 2268.111.0) AppleWebKit/536.11 (KHTML, like Gecko)␣
↪Chrome/20.0.1132.57 Safari/536.11
ua.firefox
# Mozilla/5.0 (Windows NT 6.2; Win64; x64; rv:16.0.1) Gecko/20121011 Firefox/16.0.1
ua.ff
# Mozilla/5.0 (X11; Ubuntu; Linux i686; rv:15.0) Gecko/20100101 Firefox/15.0.1
ua.safari
# Mozilla/5.0 (iPad; CPU OS 6_0 like Mac OS X) AppleWebKit/536.26 (KHTML, like Gecko)␣
↪Version/6.0 Mobile/10A5355d Safari/8536.25

# and the best one, random via real world browser usage statistic
ua.random
```

1.3 Notes

`fake-useragent` store collected data at your os temp dir, like `/tmp`

If You want to update saved database just:

```python
from fake_useragent import UserAgent
ua = UserAgent()
ua.update()
```

If You don't want cache database or no writable file system:

```python
from fake_useragent import UserAgent
ua = UserAgent(cache=False)
```

Sometimes, useragentstring.com or w3schools.com changes their html, or down, in such case `fake-useragent` uses heroku fallback

If You don't want to use hosted cache server (version 0.1.5 added)

```python
from fake_useragent import UserAgent
ua = UserAgent(use_cache_server=False)
```

In very rare case, if hosted cache server and sources will be unavailable `fake-useragent` wont be able to download data: (version 0.1.3 added)

```python
from fake_useragent import UserAgent
ua = UserAgent()

# Traceback (most recent call last):
#   ...
# fake_useragent.errors.FakeUserAgentError

# You can catch it via

from fake_useragent import FakeUserAgentError

try:
    ua = UserAgent()
except FakeUserAgentError:
    pass
```

If You will try to get unknown browser: (version 0.1.3 changed)

```
from fake_useragent import UserAgent
ua = UserAgent()
ua.best_browser
# Traceback (most recent call last):
#   ...
# fake_useragent.errors.FakeUserAgentError
```

You can completely disable ANY annoying exception with adding `fallback`: (version 0.1.4 added)

```
import fake_useragent

ua = fake_useragent.UserAgent(fallback='Your favorite Browser')
# in case if something went wrong, one more time it is REALLY!!! rare case
ua.random == 'Your favorite Browser'
```

Want to control location of data file? (version 0.1.4 added)

```
import fake_useragent

# I am STRONGLY!!! recommend to use version suffix
location = '/home/user/fake_useragent%s.json' % fake_useragent.VERSION

ua = fake_useragent.UserAgent(path=location)
ua.random
```

If you need to safe some attributes from overriding them in UserAgent by `__getattr__` method use `safe_attrs` you can pass there attributes names. At least this will prevent you from raising FakeUserAgentError when attribute not found.

For example, when using fake_useragent with injections you need to:

```
import fake_useragent

ua = fake_useragent.UserAgent(safe_attrs=('__injections__',))
```

Please, do not use if you don't understand why you need this. This is magic for rarely extreme case.

1.4 Experiencing issues???

Make sure that You using latest version!!!

```
pip install -U fake-useragent
```

Check version via python console: (version 0.1.4 added)

```
import fake_useragent

print(fake_useragent.VERSION)
```

And You are always welcome to post issues

Please do not forget mention version that You are using

1.5 Tests

```
pip install tox
tox
```

1.6 Changelog

- **0.1.11 October 4, 2018**

    - moved *s3 + cloudfront* fallback to *heroku.com*, cuz someone from Florida did ~25M requests last month

- **0.1.10 February 11, 2018**

    - Minor fix docs *cloudfront* url

- **0.1.9 February 11, 2018**

    - fix `w3schools.com` renamed *IE/Edge* to *Edge/IE*

    - moved *heroku.com* fallback to *s3 + cloudfront*

    - stop testing Python3.3 and pypy

- **0.1.8 November 2, 2017**

    - fix `useragentstring.com Can't connect to local MySQL server through socket`

- **0.1.7 April 2, 2017**

    - fix broken README.rst

- **0.1.6 April 2, 2017**

    - fixes bug `use_cache_server` do not affected anything

    - w3schools.com moved to `https`

    - `verify_ssl` options added, by default it is `True` (`urllib.urlopen` ssl context for Python 2.7.9- and 3.4.3- is not supported)

- **0.1.5 February 28, 2017**

    - added `ua.edge` alias to Internet Explorer

    - w3schools.com starts displaying `Edge` statistic

    - Python 2.6 is not tested anymore

    - `use_cache_server` option added

    - Increased `fake_useragent.settings.HTTP_TIMEOUT` to 5 seconds

- **0.1.4 December 14, 2016**

    - Added custom data file location support

    - Added `fallback` browser support, in case of unavailable data sources

    - Added alias `fake_useragent.FakeUserAgent` for `fake_useragent.UserAgent`

    - Added alias `fake_useragent.UserAgentError` for `fake_useragent.FakeUserAgentError`

- Reduced `fake_useragent.settings.HTTP_TIMEOUT` to 3 seconds

- Started migration to new data file format

- Simplified a lot 4+ years out of date code

- Better thread/greenlet safety

- Added verbose logging

- Added `safe_attrs` for prevent overriding by `__getattr__`

- **0.1.3 November 24, 2016**

  - Added hosted data file, when remote services is unavailable

  - Raises `fake_useragent.errors.FakeUserAgentError` in case when there is not way to download data

  - Raises `fake_useragent.errors.FakeUserAgentError` instead of `None` in case of unknown browser

  - Added `gevent.sleep` support in `gevent` patched environment when trying to download data

- **X.X.X xxxxxxx xx, xxxx**

  - xxxxx ?????

1.7 Authors

You can visit authors page