
Microurl Documentation

Release 0.1

Micro Pyramid

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python library for url minification.

CHAPTER 1

Features

- **Google**
 - URL Minifier
 - QR Generator
- **Bitly**
 - URL Minifier

CHAPTER 2

Installation

Install microurl via `pip`

```
$ pip install microurl
```

Or, if you want the code that is currently on GitHub

```
git clone git://github.com/micropyramid/microurl.git
cd microurl
python setup.py install
```

Contents:

2.1 Google Minifier

First, you'll want to head over to `google` or `bily` or `supr` and register an application!

After you register, grab your applications `Consumer Key` and `Consumer Secret` from the application details tab.

First, you'll want to import your desired minifier from microurl

```
from microurl import google_mini
```

2.1.1 Basic Usage

Function definitions (i.e. `google_mini()`) can be found by reading over `microurl/google.py`

```
minified = google_mini('validurl', 'Google_API_KEY')
```

its as simple as that.

2.1.2 QR Generator

```
qr_url = qrcode(url)
```

2.2 Bitly Minifier

2.2.1 1. Authentication for bitly

```
from microurl import bitlyauthentication

authentication = bitlyauthentication(client_id, client_secret, redirect_uri)

auth_url=authentication.authorization_url()
```

open auth_url in your browser.After authorizing app, you will be redirected to redirect_url with code parameter.

```
access_token=authentication.get_accesstoken_from_code(code) # code that you get to_
↳ redirect_url in the above step
```

2.2.2 2. Authentication using username and password

```
access_token=authentication.get_accesstoken_from_username_pwd(bitlyusername or login_
↳ email,password)
```

2.2.3 Basic Usage

Function definitions (i.e. shorturl()) can be found by reading over microurl/bitly.py

```
from microurl import bitlyapi

bitly=bitlyapi(access_token) # access_token is getting from previous steps

minified=bitly.shorturl(longurl,domain)['url'] # domain is optional here
```

To get detail information of bitlylink.

```
bitly.url_info(bitlylink,expand_user='True | False',hash='one or more bitly hashes')
↳ # expand_user,hash are optional here
```

To get the number of clicks on a single bitly link.

```
bitly.link_clicks(bitlylink, unit="day", units=10, timezone=-4, limit=20, unit_
↳ reference_ts="now")

# here except bitlylink all are optional
```

To get the number of shares on a single bitly link.

```
bitly.link_shares(bitlylink, unit="day", units=10, timezone=-4, limit=20, unit_
↳reference_ts="now")

# here except bitlylink all are optional
```

To get loggedin user info

```
bitly.user_info()
```

To get user link history in reverse chronological order.

```
bitly.user_linkhistory(bitlylink, limit=20, offset=1, created_after='1381000000',
↳created_before='1381844314', expand_client_id=True, archived="both", private="both")

# here all fields are optional
```


CHAPTER 3

Indices and tables

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