
Twitter-REST-API

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1 Hitting Twitter's REST API with Python (via twython)

Twython can be found on the [githubs](#)

The REST API status request we're interested in is document on [dev.twitter](#)

1.1 Here is a simple instance initiation

```
In [13]: from twython import Twython
APP_KEY = 'sfLrlFcocDtftJJLVKlig'
APP_SECRET = 'UiDGdG7vcscnPzpZz3lZrqOaK2xQHRlXlXnYQhJb2Qk'

twitter = Twython(APP_KEY, APP_SECRET)

auth = twitter.get_authentication_tokens(callback_url='http://mysite.com/callback')

OAUTH_TOKEN = auth['oauth_token']
OAUTH_TOKEN_SECRET = auth['oauth_token_secret']

auth['auth_url']
```

```
Out [13]: 'https://api.twitter.com/oauth/authenticate?oauth_token=8OiCFc5QN8UDqp
hEK6wSFTqCOx33nladh63Uw5mPqI'
```

1.2 Django example (for building a web app!)

```
In [11]: oauth_verifier = request.GET['oauth_verifier']

twitter = Twython(APP_KEY, APP_SECRET,
                  OAUTH_TOKEN, OAUTH_TOKEN_SECRET)

final_step = twitter.get_authorized_tokens(oauth_verifier)

OAUTH_TOKEN = final_step['oauth_token']
OAUTH_TOKEN_SECRET = final_step['oauth_token_secret']
```

NameError
call last)

Traceback (most recent

```
<ipython-input-11-2a83aac45099> in <module>()
----> 1 oauth_verifier = request.GET['oauth_verifier']
```

NameError: name 'request' is not defined

1.3 This will work with my own account (@andyreagan)

Should eventually move to OAuth 2 application-only (read-only) authentication

```
In [1]: from twython import Twython

APP_KEY = 'sfLrlFcocDtftJJLVKlig'
APP_SECRET = 'UiDGdG7vcscnPzpZz3lZrqOaK2xQHRlXlXnYQhJb2Qk'

# using my own account for authentication tokens
OAUTH_TOKEN = '55931868-1x5Jo4xOrL2c9rEYQ5DtUGEYTw38oCtj5URYzM0Wt'
OAUTH_TOKEN_SECRET = '22rRPZblkEaf38FnEk3I12Pwyp9ISUPSdUDCiJhFIIE'

twitter = Twython(APP_KEY, APP_SECRET,
                  OAUTH_TOKEN, OAUTH_TOKEN_SECRET)
```

```
In [1]: # post my timeline
twitter.get_home_timeline()
```

1.4 Return the n-th tweet!

```
In [4]: tweet = twitter.show_status(id=100)
print tweet['text']
```

Heading home

1.5 Iterate!

```
In []: tweetIDs = [x*2 for x in range(1000,1100)]

import codecs
f = codecs.open('just_text.txt', 'w', 'utf8')
for tweetID in tweetIDs:
    print 'getting tweet ID ' + str(tweetID)
    tweet = twitter.show_status(id=tweetID)
```

```
f.write(tweet['text']+'\n')  
f.close()
```