
Shopify Requests

Release v0.4.0

Paul Robertson

Jun 13, 2019

API DOCS:

1	User's Guide	3
2	API Docs	5
3	Indices and tables	11
	Python Module Index	13
	Index	15

The ShopifyRequests library is a wrapper around the python requests library. Its main purpose is to remove the boiler plate code needed to do basic API calls to Shopify.

USER'S GUIDE

The *RestClient* is meant to be as simple as using the requests library. All the http verbs needed for REST calls are available.

- GET
- PUT
- POST
- PATCH
- DELETE

OAuth token example:

```
from shopify_requests import RestClient
client = RestClient(
    'foo.myshopify.com',
    access_token='abc123',
)
response = client.get('shop.json')
```

Private app example:

```
from shopify_requests import RestClient
client = RestClient(
    'foo.myshopify.com',
    username='1234',
    password='asdf',
)
response = client.get('shop.json')
```

By default the client also has safe retries enabled to help with network issues. If a request fails to send data to Shopify, it will be retried a 3 times before returning the failure response. This can be configured with the *connect_retries* parameter.

```
from shopify_requests import RestClient
client = RestClient(
    'foo.myshopify.com',
    access_token='abc123',
    connect_retries=5,
)
response = client.get('shop.json')
```

Reusing the client has the added benefit of reusing the http session once the connection is established. This means that subsequent calls will not have to do the SSL handshake.

2.1 shopify_requests

2.1.1 shopify_requests package

Submodules

shopify_requests.errors module

exception shopify_requests.errors.ResourceDeprecationWarning

Bases: *shopify_requests.errors.ShopifyRequestsWarning*, DeprecationWarning

Shopify has deprecated the resource or property.

exception shopify_requests.errors.ShopifyRequestsWarning

Bases: Warning

Base warning for ShopifyRequests.

shopify_requests.rest_client module

class shopify_requests.rest_client.RestClient(*myshopify_domain*, *access_token=None*,
username=None, *password=None*, *connect_retries=None*, *backoff_factor=None*,
max_limit_retries=None,
limit_backoff_factor=None, *version=None*)

Bases: object

Create a session client for this Shopify store.

Note

- Only *access_token* or (*username* and *password*) are required
- **urllib3** documents *backoff_factor* as
 - $\{\text{backoff factor}\} * (2 ** (\{\text{number of total retries}\} - 1))$

Parameters

- **myshopify_domain** – foobar.myshopify.com
- **access_token** – OAuth token from a public app

- **username** – Username for private app
- **password** – Password for private app
- **connect_retries** – [default: 3] how many connection-related errors to retry on
- **backoff_factor** – [default: 0.5] how quickly to backoff for safe retries
- **max_limit_retries** – [default: 0] how many retries to do when rate limited
- **limit_backoff_factor** – [default: 0.5] same as backoff_factor but for rate limited
- **version** – [default: unstable] the Shopify API version to use

calls_remaining()

Return the number of API calls remaining.

Return type int

See also [Shopify API call limits](#)

calls_used()

Return the number of API calls used.

Return type int

See also [Shopify API call limits](#)

close()

Close the session.

See also [requests.Session.close](#).

delete(url, **kwargs)

Send a DELETE request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type [requests.Response](#)

See also [requests.Session.delete](#).

get(url, **kwargs)

Send a GET request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type [requests.Response](#)

See also [requests.Session.get](#).

max_available()

Return the bucket size for the token.

Return type int

See also [Shopify API call limits](#)

patch (*url*, ***kwargs*)
Send a PATCH request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.patch`.

post (*url*, ***kwargs*)
Send a POST request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.post`.

put (*url*, ***kwargs*)
Send a PUT request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.put`.

Module contents

```
class shopify_requests.RestClient (myshopify_domain, access_token=None, user-  
                                name=None, password=None, connect_retries=None,  
                                backoff_factor=None, max_limit_retries=None,  
                                limit_backoff_factor=None, version=None)
```

Bases: `object`

Create a session client for this Shopify store.

Note

- Only *access_token* or (*username* and *password*) are required
- **urllib3** documents **backoff_factor** as
– `{backoff factor} * (2 ** ({number of total retries} - 1))`

Parameters

- **myshopify_domain** – foobar.myshopify.com
- **access_token** – OAuth token from a public app
- **username** – Username for private app
- **password** – Password for private app

- **connect_retries** – [default: 3] how many connection-related errors to retry on
- **backoff_factor** – [default: 0.5] how quickly to backoff for safe retries
- **max_limit_retries** – [default: 0] how many retries to do when rate limited
- **limit_backoff_factor** – [default: 0.5] same as backoff_factor but for rate limited
- **version** – [default: unstable] the Shopify API version to use

calls_remaining()

Return the number of API calls remaining.

Return type int

See also [Shopify API call limits](#)

calls_used()

Return the number of API calls used.

Return type int

See also [Shopify API call limits](#)

close()

Close the session.

See also [requests.Session.close](#).

delete(url, **kwargs)

Send a DELETE request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type [requests.Response](#)

See also [requests.Session.delete](#).

get(url, **kwargs)

Send a GET request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type [requests.Response](#)

See also [requests.Session.get](#).

max_available()

Return the bucket size for the token.

Return type int

See also [Shopify API call limits](#)

patch(url, **kwargs)

Send a PATCH request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.patch`.

post (*url*, ***kwargs*)

Send a POST request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.post`.

put (*url*, ***kwargs*)

Send a PUT request.

Parameters

- **url** – URL for the new Request object.
- ****kwargs** – Optional arguments that session takes.

Return type `requests.Response`

See also `requests.Session.put`.

INDICES AND TABLES

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

PYTHON MODULE INDEX

S

`shopify_requests`, [7](#)
`shopify_requests.errors`, [5](#)
`shopify_requests.rest_client`, [5](#)

C

calls_remaining() (shopify_requests.rest_client.RestClient method), 6

calls_remaining() (shopify_requests.RestClient method), 8

calls_used() (shopify_requests.rest_client.RestClient method), 6

calls_used() (shopify_requests.RestClient method), 8

close() (shopify_requests.rest_client.RestClient method), 6

close() (shopify_requests.RestClient method), 8

D

delete() (shopify_requests.rest_client.RestClient method), 6

delete() (shopify_requests.RestClient method), 8

G

get() (shopify_requests.rest_client.RestClient method), 6

get() (shopify_requests.RestClient method), 8

M

max_available() (shopify_requests.rest_client.RestClient method), 6

max_available() (shopify_requests.RestClient method), 8

P

patch() (shopify_requests.rest_client.RestClient method), 6

patch() (shopify_requests.RestClient method), 8

post() (shopify_requests.rest_client.RestClient method), 7

post() (shopify_requests.RestClient method), 9

put() (shopify_requests.rest_client.RestClient method), 7

put() (shopify_requests.RestClient method), 9

R

ResourceDeprecationWarning, 5

RestClient (class in shopify_requests), 7

RestClient (class in shopify_requests.rest_client), 5

S

shopify_requests (module), 7

shopify_requests.errors (module), 5

shopify_requests.rest_client (module), 5

ShopifyRequestsWarning, 5