
scoopy Documentation

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CHAPTER 1

Introduction

About it

#TODO

Installing scoopy

#TODO

Basic tutorial

#TODO

Topic actions

#TODO

Post actions

#TODO

scoopy.client

class `scoopy.client.ScoopItAPI` (*consumer_key, consumer_secret*)

Main class to access the Scoop.it API.

compilation (*since, count*)

Get a compilation of followed topics of the current user. Posts are ordered by date.

Parameters

- **since** (`scoopy.datatypes.Timestamp`) – Only retrieve posts newer than this.
- **count** (`int`) – Maximum amount of posts to retrieve.

Returns iterator – `scoopy.datatypes.Post` objects.

get_oauth_access_token (*token_verifier*)

Ask the API server for an oauth access_token.

Parameters **token_verifier** (*str.*) – The code returned by the access_token url.

Returns None.

get_oauth_access_token_url (*callback_url*)

Generate an access authorization URL.

Parameters **callback_url** (*str.*) – The url to which the user should be redirected.

Returns str – The url to authorize the application.

get_oauth_request_token ()

Ask the API server for an oauth request_token.

Returns None

load_oauth_token (*filepath*)

Load a previously saved OAuth token.

Parameters **filepath** (*str.*) – Path to the file containing the token.

Returns None.

notifications (*since=None*)

Notifications for the current user.

Parameters **since** (`scoopy.datatypes.Timestamp` or `None`.) – Only get notifications newer than this.

Returns iterator – `scoopy.datatypes.Notification` objects.

post (*post_id*)

Access a post data.

Parameters **post_id** (*int*.) – The ID of the post.

Returns a `scoopy.datatypes.Post` object.

profile (*profile_id=None, curated=None, curable=None*)

Access a user's profile.

Parameters

- **profile_id** (*int* or *None*.) – Profile owner's ID (defaults to the current user).
- **curated** (*int* or *None*.) – Numer of curated posts to retrieve for each topic (defaults to 0).
- **curable** – Number of curable posts to retrieve for each topic where the user is curator (defaults to 0).

Returns An `scoopy.datatypes.User` object.

request (*url, params, method='GET'*)

Make a request to an API end-point, request will be signed using the current OAuth token.

Parameters

- **url** (*str*.) – The end-point url.
- **params** (*dict*.) – Parameters to pass to the request.
- **method** (*str*.) – The HTTP method used to perform the request.

Returns dict – Data returned by the server.

resolve (*entity, short_name*)

Resolve an object (topic or user) given its short name.

Parameters

- **entity** (*str*.) – The type of entity to resolve ('user' or 'topic').
- **short_name** (*str*.) – The short name to resolve.

Returns str – The ID corresponding to the given short name.

save_oauth_token (*filepath*)

Save the current OAuth token to a file.

Parameters **filepath** (*str*.) – Path to the file where the token should be saved.

Returns None.

topic (*topic_id, curated=None, curable=None, order=None, tag=None, since=None*)

Access a topic data (list of posts, statistics).

Parameters

- **topic_id** (*int or None.*) – The topic’s ID.
- **curated** (*int or None.*) – Number of curated posts to retrieve from the topic (defaults to 30).
- **curable** (*int or None.*) – Number of curable posts to retrieve from the topic (defaults to 30).
- **order** (*str.*) – Sort order of curated posts, can be ‘tag’, ‘curationDate’, or ‘user’ (mandatory if ‘since’ parameter isn’t specified).
- **tag** (*str.*) – Tag used to filter results (mandatory if ‘order’ is ‘tag’).
- **since** (*scoopy.datatypes.Timestamp.*) – Only retrieve curated posts newer than this.

Returns tuple – (*scoopy.datatypes.Topic*, *scoopy.datatypes.TopicStats*)

scoopy.datatypes

class *scoopy.datatypes.Topic* (*api*, *raw_data*, *stats=None*)

Holds data related to a topic.

class *scoopy.datatypes.TopicTag* (*api*, *raw_data*)

Holds data related to a tag of a topic.

class *scoopy.datatypes.Post* (*api*, *raw_data*)

Holds data related to a post.

class *scoopy.datatypes.PostComment* (*api*, *raw_data*)

Holds data related to a comment.

class *scoopy.datatypes.Source* (*api*, *raw_data*)

Holds data related to a source: something that suggests content to curate to users.

class *scoopy.datatypes.User* (*api*, *raw_data*)

Holds data related to a user.

class *scoopy.datatypes.Sharer* (*api*, *raw_data*)

Holds data related to a “sharer”. A “sharer” is basically an account to a publish service the user registered in the dedicated website page (eg: twitter account, facebook account, tumblr account).

class *scoopy.datatypes.Notification* (*api*, *raw_data*)

Holds data related to a notification.

class *scoopy.datatypes.TopicStats* (*api*, *raw_data*)

Holds statistics related to a topic.

scoopy.oauth

exception *scoopy.oauth.OAuthException* (*value*)

Basic exception for OAuth related errors.

exception *scoopy.oauth.OAuthRequestFailure* (*value*)

Exception raised when a request fails.

exception *scoopy.oauth.OAuthTokenError* (*value*)

Exception raised when a token isn’t set and an operation requiring one is performed.

class `scoopy.oauth.OAuth` (*consumer_key*, *consumer_secret*)

Helper class for all OAuth related actions.

generate_request_params (*params*)

Given a dict of parameters, add the needed `oauth_*` parameters to it and return an url-encoded string.

get_access_token (*token_verifier*)

Request the server for an access token and return it.

get_access_token_url (*callback_url*)

Generate the URL needed for the user to accept the application and return it.

get_request_token ()

Request the server for a request_token and return it.

CHAPTER 4

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