SXCU

Release 4.0.0

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CONTENTS:

SCXU is an API wrapper for api located at sxcu.net. Pretty much this documentation covers with some example and API reference. Currently the documentation is in building stage.

INSTALLATION

SXCU can be installed using `pip`

```
pip install sxcu
```

1.1 Examples

1.1.1 Uploading a Image to sxcu.net

To upload an image *foo.png* located in the same directory as the script and print the url:

```python
import sxcu
connector = sxcu.SXCU()
result = connector.upload_image("foo.png")
print(result["url"])
```

Parameters acceped are

upload_image(*args, **kwargs)	This method is deprecated.

1.1.2 Uploading Image with `og_properties`

1.1.2.1 What is `og_properties`?

The Open Graph protocol The Open Graph protocol enables any web page to become a rich object in a social graph.

sxcu.net allows the following properties to be changed for changing the way it embed in apps and websites.

1.1.2.2 How to use it?

Using the class

og_properties	OGProperties declaration.

A small example using this can be

```python
import sxcu
connector = sxcu.SXCU()
```

```
props = sxcu.og_properties(color="#000",description="some random post",title="I love␣
↪SXCU")
result = connector.upload_image("foo.png")
print(result["url"])
```

1.1.3 Creating a Short Link

The reference for it is

create_link(link)	Creates a new link.

A small example illustrating it can be.

```
import sxcu
connector = sxcu.SXCU()
result = connector.create_link("https://sxcu.syrusdark.website")
print(result["url"])
```

should print a shortened URL.

1.2 Using Logging

Logging are useful to know what really happened. All the logging are set to DEBUG. To view the DEBUG logs you would need to configure the logging module to show DEBUG logs as below.

```
import logging
logging.basicConfig(level=logging.DEBUG)
import sxcu
a=sxcu.SXCU()
```

Now all the debug logs are printed to stout. You could also configure it to write to a file but that is out the scope of this documentation.

1.3 Reference

This it python API reference of the current things implemented.

1.3.1 Python API Reference

SXCU(subdomain, upload_token, file_sxcu)	The Main class for sxcu.net request
OGProperties(color, bool] = None, . . .)	This is a helper class for main SXCU function.
SXCUError	SXCUError A error which will be raised when the returned status code isn't right.
RequestClient(headers)	RequestClient is internally used to communicated with Requests Library.

1.3.1.1 sxcu.SXCU

class sxcu.**SXCU** (*subdomain: str = None*, *upload_token: str = None*, *file_sxcu: str = None*)
The Main class for sxcu.net request

__init__ (*subdomain: str = None*, *upload_token: str = None*, *file_sxcu: str = None*) → None
This initialise the handler

> **Parameters**
>
> - **subdomain** (str, optional) – The subdomain you get from sxcu.net
>
> - **upload_token** (str, optional) – The upload token that comes along with subdomain
>
> - **file_sxcu** (str,optional) – The sxcu file you have got. Parses only RequestURL and upload_token.
>
> ---
>
> **Note:** The content in .sxcu file has more priority than passed parameters.
>
> ---

Methods

__init__	This initialise the handler
collection_details	This method is deprecated.
collection_meta	Get collection details and list of images (if any are uploaded) for a given collection.
create_collection	Create a new collection on sxcu.net.
create_link	Creates a new link.
delete_image	Deletes images from sxcu.net
domain_list	This method is deprecated.
file_meta	Get basic details about an image on sxcu.net or any of its subdomain
image_details	This method is deprecated.
list_subdomain	This lists all the public domains available, sorted by upload count.
upload_file	This uploads image to sxcu
upload_image	This method is deprecated.
upload_text	Uploads an text to sxcu.net (via cancer-co.de)

static collection_details (**args: Any*, ***kwargs: Any*) → Union[dict, list]
This method is deprecated. Use *collection_meta()* instead.

static collection_meta (*collection_id: str*) → Union[dict, list]
Get collection details and list of images (if any are uploaded) for a given collection.

> **Parameters collection_id** (str) – collection_id returned when creating a collection.
>
> **Returns** The returned JSON from the request.
>
> **Return type** dict or list

static create_collection (*title: str*, *private: bool = False*, *unlisted: bool = False*, *desc: Optional[str] = None*) → Union[dict, list]
Create a new collection on sxcu.net.

Note: If you are creating one time / bot collections you must make them unlisted!

> **Parameters**
>
> - **title** (`str`) – The title of the collection.
> - **private** (`bool`, optional) – Whether the collection should be private or not.
> - **unlisted** (`bool`, optional) – Whether the collection should be unlisted or not.
> - **desc** (`str`, optional) – The description of the collection.
>
> **Returns** The returned JSON from the request.
>
> **Return type** `dict` or `list`

create_link (*link: str*) → Union[dict, list]
  Creates a new link.

> **Parameters link** (`str`) – The link to which you want to redirect.
>
> **Returns** The returned JSON from the request.
>
> **Return type** `dict` or `list`

static delete_image (*delete_url: str*) → bool
  Deletes images from sxcu.net

> **Parameters delete_url** (`str`) – The delete URL returned from sxcu.net while uploading.
>
> **Returns** Deleted or not
>
> **Return type** `bool`

static domain_list (**args: Any*, ***kwargs: Any*) → Union[dict, list]
  This method is deprecated.

  Use *list_subdomain()* instead.

static file_meta (*file_id: str = None*, *file_url: str = None*, *image_id: str = None*, *image_url: str = None*) → Union[dict, list]
  Get basic details about an image on sxcu.net or any of its subdomain

> **Parameters**
>
> - **file_id** (`str`) – The id of the image. For example, if `https://sxcu.net/QNeo92` is the image URL then `QNeo92` will be the `image_id`.
>
>   ---
>
>   **Note:** The `image_id` can be from any subdomain also as alway the id would be same.
>
>   ---
>
> - **file_url** (`str`) – The image URL returned of successfully upload. For example, `https://sxcu.net/QNeo92`. Either one of **:param:`file_id`** or **:param:`file_url`** is required.
>
> **Returns** The returned JSON from the request.
>
> **Return type** `dict` or `list`

static image_details (**args: Any*, ***kwargs: Any*) → Union[dict, list]
  This method is deprecated.

  Use *file_meta()* instead.

---

static list_subdomain(*count: int = - 1*) → list
> This lists all the public domains available, sorted by upload count.

> > **Parameters**

> > - **count** (int, optional) – Number of domains to return. If count=``-1`` it lists all.

> > - **warning::** (.) – The returned list contains bytes encoded using str.encode(). Please use bytes.decode() for decoding it.

> > **Returns** The returned JSON from the request.

> > **Return type** list

upload_file(*file: str, collection: Optional[str] = None, collection_token: Optional[str] = None, noembed: Optional[bool] = False, og_properties: Optional[sxcu.og_properties.OGProperties] = None, self_destruct: bool = False*) → Union[dict, list]
> This uploads image to sxcu

> > **Parameters**

> > - **file** – The path of File to Upload

> > - **collection** – The collection ID to which you want to upload to if you want to upload to a collection

> > - **collection_token** – The collection upload token if one is required by the collection you're uploading to.

> > - **noembed** – If True, the uploader will return a direct URL to the uploaded image, instead of a dedicated page.

> > - **og_properties** – This will configure the OpenGraph properties of the file's page, effectively changing the way it embeds in various websites and apps.

> > - **self_destruct** – If True, the file will be deleted automatically after 24 hours.

> > **Returns** The returned JSON from the request.

> > **Return type** dict or list

> > **Raises SXCUError** – Any error from the request side.

upload_image(**args: Any, **kwargs: Any*) → Union[dict, list]
> This method is deprecated. Use *upload_file()* instead.

static upload_text(*text: str*) → Union[dict, list]
> Uploads an text to sxcu.net (via cancer-co.de)

> > **Parameters text** (str) – The text being uploaded.

> > **Returns** The returned JSON from the request.

> > **Return type** dict or list

1.3.1.2 sxcu.OGProperties

class sxcu.**OGProperties**(*color: Union[str, bool] = None*, *description: Union[str, bool] = None*, *title: Union[str, bool] = None*, *discord_hide_url: bool = False*, *site_name: Union[str, bool] = None*)

This is a helper class for main SXCU function. This helps you to reuse the *OGProperties*.

__init__(*color: Union[str, bool] = None*, *description: Union[str, bool] = None*, *title: Union[str, bool] = None*, *discord_hide_url: bool = False*, *site_name: Union[str, bool] = None*) → None

Initialize self. See help(type(self)) for accurate signature.

Methods

__init__	Initialize self.
export	Exports the Property set to a JSON file.
from_json	Import the Property set from parsing JSON.

export() → str

Exports the Property set to a JSON file.

> **Returns** Using json.dumps the content of JSON file is dumped.
>
> **Return type** str

classmethod from_json(*contents: str*) → sxcu.og_properties.OGProperties

Import the Property set from parsing JSON.

> **Parameters** **contents** (str) – The contents in JSON which needs to be parsed.
>
> **Returns** Using json.dumps the content of JSON file is dumped.
>
> **Return type** str

1.3.1.3 sxcu.exceptions.SXCUError

exception sxcu.exceptions.**SXCUError**

SXCUError A error which will be raised when the returned status code isn't right.

See error_codes and message list for more information in https://sxcu.net.

1.3.1.4 sxcu.__client__.RequestClient

class sxcu.__client__.**RequestClient**(*headers: dict = None*)

RequestClient is internally used to communicated with Requests Library.

__init__(*headers: dict = None*) → None

This initiate the handlers. :param headers: The extra header needed to be added to the Request. :type headers: dict, optional

Methods

__init__	This initiate the handlers.
get	Pass all the parameter to `requests.get()`.
post	Pass all the parameter to `requests.post()`.

get (*url: str*, *headers: Optional[dict] = None*, ***kwargs*) → requests.models.Response

Pass all the parameter to `requests.get()`. Also, adding the necessary headers. Also, the newly passed header would overide the default.

> **Parameters**
>
> - **headers** – The header needed to be added to the Request.
>
> - **important** `::(.)` – The `headers` would override the default header.

post (*url: str*, *headers: dict = None*, ***kwargs*) → requests.models.Response

Pass all the parameter to `requests.post()`. Also, adding the necessary headers. Also, the newly passed header would overide the default.

> **Parameters headers** (`str`, optional) – The header needed to be added to the Request.
>
> ---
>
> **Important:** The header would overide the default header.
>
> ---

1.4 Changelog

1.4.1 sxcu-v4.0.0

This contains support for sxcu.net API v2.

1.4.1.1 Breaking changes

- Removed support for sxcu.net API v1 which is deprecated and would be removed soon.

- Remove `edit_collection` method. I was informed it was to be removed soon from the API.

- A default logging handler which print debug info is removed. Please set up your own handler. Details at *Using Logging*.

- Deprecate *upload_image*. Use *upload_file* instead.

- Deprecate *collection_details*. Use *collection_meta* instead.

- Deprecate *image_details*. Use *file_meta* instead.

- Deprecate *domain_list*. Use *list_subdomain* instead.

1.4.1.2 New Features

- Added support for `site_name` in *`OGProperties`*
- Added support for `self_destruct` in *`upload_file`*.

1.4.1.3 Bug fixes

- Fix `sxcu.__version__` printing displaying wrong version.

1.4.1.4 Other changes

- Miscellaneous typo fixes.
- Slightly improve language in request handler.
- Changed the default user agent to contain a URL to this project.

1.4.2 sxcu-v3.2.0

- Update for new API changes

1.4.3 sxcu-v3.1.0

- Added `OGProperties.from_json()` method.
- Fix broken Error Handler. It raises `SXCUError` when there is an error from server now.
- Update API details. (slightly)

1.4.4 sxcu-v3.0.0

- Rename `og_properties` to `OGProperties`.
- Add support for `discord_hide_url`.

1.4.5 sxcu-v2.0.0

- Introduced a logger class so that users can know what really happened. User's can just set a logging handle and it will automatically write logs as in any other library.
- Improved Interface with Requests. Instead of Directly calling it now logs them and goes through `__client__`.
- Moved version to `__version__` and added other meta data to it.
- Now it handle's server response codes. Previously it was rising JSON decode Error which was unexpected and could cause problems.

1.4.6 sxcu-v1.0.1

- Fixed an issue in reading `.sxcu` file. (PR-10)

- Fixed `__version__` and removed a dependency.

1.4.7 sxcu-v1.0.0

1.4.7.1 New Features

- Create a new logo.

- Added a missing API method `image_details()`.

- Fix a bug due to subdomain parsing while using `.sxcu` files.

- Add a missing endpoint of `edit_collection()`.

- Fixed a bug in `create_link()`

1.4.7.2 For developers

- Added docs at https://sxcu.syrusdark.website.

- Added a few Tests.

- Enforce formatting with pre-commit.

- Added test Coverage

- Linting For Pull Requests Added.

1.4.8 sxcu-v0.1.0-alpha.0

Initial release with basic structure.

INDICES AND TABLES

- genindex
- modindex
- search