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# **SXCU**

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SCXU is an API wrapper for api located at [sxcu.net](https://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:

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

Parameters accepted are

<code>upload_image(file[, collection, ...])</code>	This uploads image to sxcu
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#### 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

<code>og_properties(color, description, title)</code>	This is a helper class for main SXCU function.
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## 1.2 Reference

This is python API reference of the current things implemented.

### 1.2.1 Python API Reference

<code>SXCu(subdomain, upload_token, file_sxcu)</code>	The Main class for sxcu.net request
<code>og_properties(color, description, title)</code>	This is a helper class for main SXCu function.

#### 1.2.1.1 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.

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**Note:** The content in `.sxcu` file has more priority than passed parameters.

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##### Methods

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

**static** `collection_details` (*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: str = None*) → Union[dict, list]

Create a new collection on sxcu.net.

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

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#### 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** (*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.

**:param .. warning::** The returned list contains bytes. Using `str.encode()`. Please use `bytes.decode()` for decoding it.

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

**Return type** `list`

**static edit\_collection** (*collection\_id: str, collection\_token: str, title: str = None, desc: str = None, unlisted: bool = False, regen\_token: bool = False, empty\_collection: bool = False, delete\_collection: bool = False*) → dict

Edit an existing collection.

#### Parameters

- **collection\_id** (`str`) – The ID of the collection to be edited.
- **collection\_token** (`str`) – The current token of that collection.

- **title** (*str*, optional) – The new title of the collection.
- **desc** (*str*, optional) – The new description of the collection.
- **unlisted** (*bool*, optional) – If *True* the collection will be made unlisted.
- **regen\_token** (*bool*, optional) – If *True*, it will generate a new token for the collection and return it in the response.
- **empty\_collection** (*bool*, optional) – If *True* it will disassociate all of the images in the collection from it.
- **delete\_collection** (*bool*, optional) – If *True* it will disassociate all of the images in the collection from it and delete the collection.

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

**Return type** *dict*

**static image\_details** (*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

- **image\_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*.

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**Note:** The *image\_id* can be from any subdomain also as always the id would be same.

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- **imageUrl** (*str*) – The image URL returned of successful upload. For example, <https://sxcu.net/QNeo92>.

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

**Return type** *dict* or *list*

**upload\_image** (*file: str, collection: str = None, collection\_token: str = None, noembed: bool = False, og\_properties: sxcu.sxcu.og\_properties = None*) → Union[*dict*, *list*]

This uploads image to sxcu

#### Parameters

- **file** (*str*, optional) – The path of File to Upload
- **collection** (*str*, optional) – The collection ID to which you want to upload to if you want to upload to a collection
- **collection\_token** (*str*, optional) – The collection upload token if one is required by the collection you're uploading to.
- **noembed** (*bool*, optional) – If *True*, the uploader will return a direct URL to the uploaded image, instead of a dedicated page.
- **og\_properties** (*og\_properties*, optional) – This will configure the OpenGraph properties of the file's page, effectively changing the way it embeds in various websites and apps.

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

**Return type** *dict* or *list*

**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`

### 1.2.1.2 sxcu.og\_properties

**class** `sxcu.og_properties` (*color: str = None, description: str = None, title: str = None*)

This is a helper class for main SXCU function. This helps you to reuse the `og_properties`.

**\_\_init\_\_** (*color: str = None, description: str = None, title: str = None*) → `None`

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

#### Methods

<code>__init__</code>	Initialize self.
<code>export</code>	Exports the Property set to a JSON file.

**export** () → `str`

Exports the Property set to a JSON file.

**Returns** Using `json.dumps` the content of JSON file is dumped.

**Return type** `str`

## 1.3 Changelog

### 1.3.1 sxcu-v1.0.2

[TOB]

### 1.3.2 sxcu-v1.0.1

- Fixed an issue in reading `.sxcu` file. (PR-10)
- Fixed `__version__` and removed a dependency.

### 1.3.3 sxcu-v1.0.0

#### 1.3.3.1 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()`

### **1.3.3.2 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.

### **1.3.4 sxcu-v0.1.0-alpha.0**

Initial release with basic structure.

## INDICES AND TABLES

- `genindex`
- `modindex`
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