

---

# **SXCU**

***Release 3.1.0***

**Naveen M K**

**May 06, 2021**



## CONTENTS:

<b>1</b>	<b>Installation</b>	<b>3</b>
1.1	Examples	3
1.1.1	Uploading a Image to <code>sxcu.net</code>	3
1.1.2	Uploading Image with <code>og_properties</code>	3
1.1.2.1	What is <code>og_properties</code> ?	3
1.1.2.2	How to use it?	3
1.1.3	Creating a Short Link	4
1.2	Using Logging	4
1.3	Reference	4
1.3.1	Python API Reference	4
1.3.1.1	<code>sxcu.SXCU</code>	5
1.3.1.2	<code>sxcu.OGProperties</code>	8
1.3.1.3	<code>sxcu.exceptions.SXCUErrors</code>	8
1.3.1.4	<code>sxcu.__client__.RequestClient</code>	8
1.4	Changelog	9
1.4.1	<code>sxcu-v*</code>	9
1.4.2	<code>sxcu-v3.1.0</code>	9
1.4.3	<code>sxcu-v3.0.0</code>	9
1.4.4	<code>sxcu-v2.0.0</code>	10
1.4.5	<code>sxcu-v1.0.1</code>	10
1.4.6	<code>sxcu-v1.0.0</code>	10
1.4.6.1	New Features	10
1.4.6.2	For developers	10
1.4.7	<code>sxcu-v0.1.0-alpha.0</code>	10
<b>2</b>	<b>Indices and tables</b>	<b>11</b>
	<b>Index</b>	<b>13</b>



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
--	----------------------------

#### 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

A small example using this can be

```
import sxcu
connector = sxcu.SXCU()
props = sxcu.og_properties(color="#000",description="some random post",title="I love_
↪SXCU")
```

(continues on next page)

(continued from previous page)

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

### 1.1.3 Creating a Short Link

The reference for it is

<code>create_link(link)</code>	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 `stdout`. 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

<code>SXCU(subdomain, upload_token, file_sxcu)</code>	The Main class for sxcu.net request
<code>OGProperties(color, description, title, ...)</code>	This is a helper class for main SXCU function.
<code>SXCUError</code>	SXCUError A error which will be raised when the returned status code isn't right.
<code>RequestClient(headers)</code>	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

<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.

---

**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** (*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. 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`.

---

**Note:** The `image_id` can be from any subdomain also as always the id would be same.

---

- **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.OGProperties = 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** (`OGProperties`, 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`

### 1.3.1.2 sxcu.OGProperties

**class** `sxcu.OGProperties` (*color: str = None, description: str = None, title: str = None, discord\_hide\_url: bool = False*)

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

**\_\_init\_\_** (*color: str = None, description: str = None, title: str = None, discord\_hide\_url: bool = False*) → *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.
<code>from_json</code>	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.sxcu.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 initate the handlers. :param headers: The extra header needed to be added to the Request. :type headers: *dict*, optional

## Methods

<code>__init__</code>	This initate the handlers.
<code>get</code>	Pass all the parameter to <code>requests.get()</code> .
<code>post</code>	Pass all the parameter to <code>requests.post()</code> .

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

Pass all the parameter to `requests.get()`. Also, adding the neccessary headers. Also, the newly passed header would override the default. :param headers: The header needed to be added to the Request.

---

**Important:** The header 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 neccessary headers. Also, the newly passed header would override the default. :param headers: The header needed to be added to the Request.

---

**Important:** The header would override the default header.

---

## 1.4 Changelog

### 1.4.1 sxcu-v\*

[TBD]

### 1.4.2 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)

### 1.4.3 sxcu-v3.0.0

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

### 1.4.4 **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.

### 1.4.5 **sxcu-v1.0.1**

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

### 1.4.6 **sxcu-v1.0.0**

#### 1.4.6.1 **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()`

#### 1.4.6.2 **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.

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

Initial release with basic structure.

## INDICES AND TABLES

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



## Symbols

`__init__()` (*sxcu.OGProperties method*), 8  
`__init__()` (*sxcu.SXCU method*), 5  
`__init__()` (*sxcu.\_\_client\_\_.RequestClient method*), 8

## C

`collection_details()` (*sxcu.SXCU static method*), 5  
`create_collection()` (*sxcu.SXCU static method*), 5  
`create_link()` (*sxcu.SXCU method*), 6

## D

`delete_image()` (*sxcu.SXCU static method*), 6  
`domain_list()` (*sxcu.SXCU static method*), 6

## E

`edit_collection()` (*sxcu.SXCU static method*), 6  
`export()` (*sxcu.OGProperties method*), 8

## F

`from_json()` (*sxcu.OGProperties class method*), 8

## G

`get()` (*sxcu.\_\_client\_\_.RequestClient method*), 9

## I

`image_details()` (*sxcu.SXCU static method*), 7

## O

`OGProperties` (*class in sxcu*), 8

## P

`post()` (*sxcu.\_\_client\_\_.RequestClient method*), 9

## R

`RequestClient` (*class in sxcu.\_\_client\_\_*), 8

## S

`SXCU` (*class in sxcu*), 5

`SXCUError`, 8

## U

`upload_image()` (*sxcu.SXCU method*), 7  
`upload_text()` (*sxcu.SXCU static method*), 7