
tekuila

Release 3.0.1

Apr 05, 2018

Contents

1	Tekuila	3
2	Supported ISPs	5
2.1	TekSavvy	5
2.2	Start.ca	5
3	Contributing	7
3.1	Tests	7
4	Indices and tables	9

This is a simple Python library for parsing your ISPs download limits API.

Contents:

This is the base class which all ISP implementations inherit from.

class `tekuila.tekuila.Tekuila` (*apikey=None, cap=None, warn_ratio=None, verbose=False*)

Base class for parsing the ISP quota API and act upon the results.

Construct a new fetch/parser to check cap and warn levels.

Parameters

- **apikey** – API key for ISP
- **cap** – Your cap in GB
- **warn** – The ratio you would like a warning to be returned from *check_cap* in 0.0 to 1.0 ratio.
- **verbose** – Boolean, True to print output.

check_cap (*verbose=False*)

Check if cap exists, if so check if download total has been exceeded based on fetched results.

Parameters **verbose** – Force print and warnings or errors.

Returns True if exceeded False otherwise.

check_warn (*verbose=False*)

If cap and warn limit are set, check if the user has passed the set threshold set in the config file.

Parameters **verbose** – Force print any warnings or errors.

Returns True if exceeded, False otherwise.

fetch_data ()

Child class must implement. Fetches the data from the ISPs API URI and set's appropriate values see *set_download_data*.

load_config (*config_path='/home/docs/.tekuila'*)

Loads in the config file from config path provided, looking for api key, cap limit and warn limit.

Parameters **config_path** – Path to config file to parse for API key, warn and cap variables.

print_data (*verbose=False*)

Child class must implement. Prints the data pulled from the ISP results fetched from the API. Can be forced or defaulted to print if *verbose* is set in `__init__`

Parameters *verbose* – Print details.

All ISP implementations inherit from the base Tekuila class.

2.1 TekSavvy

TekSavvy

```
class tekuila.isp.teksavvy.Teksavvy (apikey=None, cap=None, warn_ratio=None, ver-  
                                     bose=False)  
    Bases: tekuila.tekuila.Tekuila  
    Parse implementation for TekSavvy API  
  
    fetch_data ()  
        Pull JSON data from TekSavvy api url using API key pulled from config file set by user.  
  
    print_data (verbose=False)  
        Prints the data pulled from the JSON results. Can be forced or defaulted to print if verbose is set in __init__  
  
        Parameters verbose – Print details.
```

2.2 Start.ca

Start.ca

```
class tekuila.isp.startca.StartCA (apikey=None, cap=None, warn_ratio=None, ver-  
                                   bose=False)  
    Bases: tekuila.tekuila.Tekuila  
    Fetch and parse Start.ca quota API  
  
    static b_to_GB (value)  
        Convert from bytes to GB.  
  
        Parameters value – The value in bytes to convert to GB.
```

Returns Converted GB value

fetch_data ()

Pull XML data from Start.ca API url using API key. Store it within the class for processing.

print_data (*verbose=False*)

Prints the data pulled from the JSON results. Can be forced or defaulted to print if *verbose* is set in `__init__`

Parameters **verbose** – Print details.

PRs and issues welcome.

3.1 Tests

In your virtualenv install tox:

```
pip install tox
```

Run the tests:

```
tox
```

Please write tests for new functionality.

CHAPTER 4

Indices and tables

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

B

`b_to_GB()` (`tekuila.isp.startca.StartCA` static method), 5

C

`check_cap()` (`tekuila.tekuila.Tekuila` method), 3

`check_warn()` (`tekuila.tekuila.Tekuila` method), 3

F

`fetch_data()` (`tekuila.isp.startca.StartCA` method), 6

`fetch_data()` (`tekuila.isp.teksavvy.Teksavvy` method), 5

`fetch_data()` (`tekuila.tekuila.Tekuila` method), 3

L

`load_config()` (`tekuila.tekuila.Tekuila` method), 3

P

`print_data()` (`tekuila.isp.startca.StartCA` method), 6

`print_data()` (`tekuila.isp.teksavvy.Teksavvy` method), 5

`print_data()` (`tekuila.tekuila.Tekuila` method), 3

S

`StartCA` (class in `tekuila.isp.startca`), 5

T

`Teksavvy` (class in `tekuila.isp.teksavvy`), 5

`Tekuila` (class in `tekuila.tekuila`), 3