
urlquick Documentation

Release 2.0.1

William Forde

Jul 08, 2023

Contents

| | | |
|----------|-----------------------|----------|
| 1 | Urlquick II | 3 |
| 2 | API | 5 |
| 2.1 | Globals | 5 |
| 2.2 | Session | 5 |
| 2.3 | Response | 5 |
| 3 | External Links | 7 |
| | Index | 9 |

CHAPTER 1

Urlquick II

Urlquick 2 is a wrapper for requests that add's support for http caching. It acts just like requests but with a few extra parameters and features. 'Requests' itself is left untouched.

All GET, HEAD and POST requests are cached locally for a period of 4 hours, this can be changed. When the cache expires, conditional headers are added to any new request e.g. "Etag" and "Last-modified". Then if the server returns a 304 Not-Modified response, the cache is used, saving having to re-download the content body.

All of Requests `get`, `head`, `post` and `request` functions/methods all get 2 extra optional parameters. Both these 2 parameters can also be set on a session object too.

- `max_age`: Age the 'cache' can be before it's considered stale.
- `raise_for_status`: Boolean that when set to `True` will call `resp.raise_for_status()` for you automatically.

The Requests response objects also gets too new methods.

- `parse()`: Parse's "HTML" document into a element tree using `HTMLement`.
- `xml()`: Parse's XML document into a element tree.

2.1 Globals

`urlquick.MAX_AGE = 14400`

The time in seconds where a cache item is considered stale. Stale items will stay in the database to allow for conditional headers.

`urlquick.CACHE_LOCATION = "."`

Location for the cache directory. Defaults to the current working directory.

exception `urlquick.CacheError(*args, **kwargs)`

2.2 Session

class `urlquick.Session`

This class is identical to the requests `SESSION` class, except for 2 small differences. The following parameters can also be set as a keyword only argument on all the request methods.

2.3 Response

class `urlquick.Response`

This class is identical to the requests `RESPONSE` class, except for 2 small differences.

parse (`tag="`, `attrs=None`)

Parse's "HTML" document into a element tree using HTMLement.

See also:

The htmlment documentation can be found at.

<http://python-htmlment.readthedocs.io/en/stable/?badge=stable>

Parameters

- **tag** (*str*) – [opt] Name of ‘element’ which is used to filter tree to required section.
- **attrs** (*dict*) – [opt] Attributes of ‘element’, used when searching for required section.
Attrs should be a dict of unicode key/value pairs.

Returns The root element of the element tree.

Return type `xml.etree.ElementTree.Element`

xml ()

Parse’s XML document into a element tree.

Returns The root element of the element tree.

Return type `xml.etree.ElementTree.Element`

CHAPTER 3

External Links

Requests Docs: <https://requests.readthedocs.io/en/master/>

HTMLelement Docs: <https://python-htmlelement.readthedocs.io/en/stable/?badge=stable>

Requests Docs: <https://requests.readthedocs.io/en/master/>

Bug Tracker: <https://github.com/willforde/urlquick/issues>

C

`CacheError`, 5

M

`MAX_AGE` (*in module `urlquick`*), 5

P

`parse()` (*`urlquick.Response` method*), 5

R

`Response` (*class in `urlquick`*), 5

U

`urlquick.CACHE_LOCATION` (*built-in variable*), 5

`urlquick.Session` (*built-in class*), 5

X

`xml()` (*`urlquick.Response` method*), 6