
omdb Documentation

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Python wrapper around The Open Movie Database API (a.k.a. OMDb API): <http://omdbapi.com/>

NOTE: This library and its author are not endorsed by or affiliated with OMDbAPI.com.

Installation

Using `pip`:

```
pip install omdb
```

Dependencies

- requests \geq 2.0.1

API

Each `omdb.py` method supports the same parameters as the OMDB API.

3.1 Paramters

OMDb API Param	omdb.py Param	Value	Description
<code>s</code>	<code>search</code>	string (optional)	title of media to search for
<code>i</code>	<code>imdbid</code>	string (optional)	a valid IMDb ID
<code>t</code>	<code>title</code>	string (optional)	title of media to return
<code>y</code>	<code>year</code>	year (optional)	year of media
<code>Season</code>	<code>season</code>	season (optional)	season number
<code>Episode</code>	<code>episode</code>	episode (optional)	episode number
<code>type</code>	<code>media_type</code>	string (optional)	media type to return (one of movie, episode, or series)
<code>plot=full</code>	<code>fullplot=True</code>	full	include extended plot
<code>plot=short</code>	<code>fullplot=False</code>	short	include short plot (default)
<code>tomatoes=true</code>	<code>tomatoes=True</code>	true (optional)	add Rotten Tomatoes data to response

NOTE: By default all OMDB API responses are formatted as JSON. However, OMDB API also supports responses formatted as XML. Since `omdb.py` will handle JSON to dict conversion automatically, it's generally not necessary (nor is it supported by the main `omdb.py` methods) to return XML formatted responses. But this can be accomplished by directly using `omdb.request`:

```
import omdb

# must use OMDB API parameters
res = omdb.request(t='True Grit', y=1969, r='xml')
xml_content = res.content
```

3.2 Methods

All methods are accessible via:

```
import omdb

# omdb.<method>
```

Method	Description	Returns
<code>get(**params)</code>	Generic request to OMDb API (requires keyword argument passing of all parameters).	Item
<code>search(search, **params)</code>	Search by string.	Search
<code>search_movie(search, **params)</code>	Search movies by string.	Search
<code>search_episode(search, **params)</code>	Search episodes by string.	Search
<code>search_series(search, **params)</code>	Search series by string.	Search
<code>imdbid(imdbid, **params)</code>	Get by IMDB ID	Item
<code>title(title, **params)</code>	Get by title	Item
<code>set_default(key, default)</code>	Set default request parameter	None

3.3 Client

While generally not necessary, one can use the lower level OMDb API Client for accessing the API:

```
from omdb import Client

client = Client()
```

Class Methods	Description	Returns
<code>get(**omdb_params)</code>	Generic request to OMDb API which can be used for any type of query.	Search or GetItem
<code>request(**omdbapi_params)</code>	Lower level request to OMDb API which accepts URL query parameters supported by OMDb API.	<code>request.Response</code>
<code>set_default(key, default)</code>	Set default request parameter.	None

3.4 Models

Movie data returned from the OMDb API is converted to a custom dict subclass which allows both `data['key']` and `data.key` access.

There are two main models:

- `omdb.models.Search` (a list of `Item` instances)
- `omdb.models.Item`

Which can be accessed like the following:

```
import omdb

movie = omdb.title('True Grit')
movie.title == 'True Grit'
movie['title'] == 'True Grit'

search = omdb.search('True Grit')
search[0].title == 'True Grit'
```

All fields from the OMDB API are converted from CamelCaseFields to underscore_fields:

3.4.1 Search Model Fields

OMDb API Field	omdb.py Field
Title	title
Year	year
Type	type
imdbID	imdb_id

3.4.2 Get Model Fields (tomatoes=False)

OMDb API Field	omdb.py Field
Title	title
Year	year
Type	type
Actors	actors
Awards	awards
Country	country
Director	director
Genre	genre
Episode	episode
Season	season
SeriesID	series_id
Language	language
Metascore	metascore
Plot	plot
Poster	poster
Rated	rated
Released	released
Response	response
Runtime	runtime
Writer	writer
imdbID	imdb_id
imdbRating	imdb_rating
imdbVotes	imdb_votes

3.4.3 Get Model Fields (tomatoes=True)

OMDb API Field	omdb.py Field
Title	title
Year	year
Type	type
Actors	actors
Awards	awards
Country	country
Director	director
Genre	genre
Episode	episode
Season	season
SeriesID	series_id
Language	language
Metascore	metascore
Plot	plot
Poster	poster
Rated	rated
Released	released
Runtime	runtime
Writer	writer
imdbID	imdb_id
imdbRating	imdb_rating
imdbVotes	imdb_votes
BoxOffice	box_office
DVD	dvd
Production	production
Website	website
tomatoConsensus	tomato_consensus
tomatoFresh	tomato_fresh
tomatoImage	tomato_image
tomatoMeter	tomato_meter
tomatoRating	tomato_rating
tomatoReviews	tomato_reviews
tomatoRotten	tomato_rotten
tomatoUserMeter	tomato_user_meter
tomatoUserRating	tomato_user_rating
tomatoUserReviews	tomato_user_reviews

Usage

4.1 General Import

```
import omdb
```

Note: All functions below support a `timeout` keyword argument that will be forwarded to the underlying `requests.get` function call. You can also set a global default using `omdb.set_default('timeout', <timeout>)` that will be used when `timeout` is not explicitly provided.

4.2 omdb.get()

```
# include full plot and Rotten Tomatoes data
omdb.get(title='True Grit', year=1969, fullplot=True, tomatoes=True)

# set timeout of 5 seconds for this request
omdb.get(title='True Grit', year=1969, fullplot=True, tomatoes=True, timeout=5)
```

4.3 omdb.search()

```
# search by string
omdb.search('True Grit')
omdb.search('True Grit', timeout=5)
```

4.4 omdb.search_movie()

```
# search movies by string
omdb.search_movie('True Grit')
omdb.search_movie('True Grit', timeout=5)
```

4.5 omdb.search_episode()

```
# search episodes by string
omdb.search_episode('True Grit')
omdb.search_episode('True Grit', timeout=5)
```

4.6 omdb.search_series()

```
# search series by string
omdb.search_series('True Grit')
omdb.search_series('True Grit', timeout=5)
```

4.7 omdb.imdbid()

```
# get by IMDB id
omdb.imdbid('tt0065126')
omdb.imdbid('tt0065126', timeout=5)
```

4.8 omdb.title()

```
# get by title
omdb.title('True Grit')
omdb.title('True Grit', timeout=5)
```

4.9 omdb.set_default()

```
# include tomatoes data by default
omdb.set_default('tomatoes', True)
omdb.title('True Grit') == omdb.title('True Grit', tomatoes=True)

# set a global timeout of 5 seconds for all HTTP requests
omdb.set_default('timeout', 5)
```

4.10 omdb.request()

```
# lower level API request
omdb.request(t='True Grit', y=1969, plot='full', tomatoes='true', timeout=5)
```

Returns:

A `requests.Response` object.

Errors and Exceptions

Under the hood, `omdb.py` uses the `requests` library. For a listing of explicit exceptions raised by `requests`, see [Requests: Errors and Exceptions](#).

By default `requests` will not raise an `Exception` when an HTTP response's status code is not 200. However, `omdb.py` *WILL* raise an `requests.exceptions.HTTPError` error for any response with a non-200 status code.

6.1 Installation

omdb requires Python ≥ 2.6 or ≥ 3.4 .

To install from [PyPi](#):

```
pip install omdb
```

API Reference

Includes links to source code.

7.1 API Reference

`omdb.get (**params)`
Generic request.

`omdb.imdbid (string, **params)`
Get by IMDB ID.

`omdb.request (**params)`
Lower-level request.

`omdb.search (string, **params)`
Search by string.

`omdb.search_movie (string, **params)`
Search movies by string.

`omdb.search_episode (string, **params)`
Search episodes by string.

`omdb.search_series (string, **params)`
Search series by string.

`omdb.set_default (key, default)`
Proxy method to internal client instance that sets default params values.

`omdb.title (string, **params)`
Get by title.

class `omdb.Client (**defaults)`
HTTP request client for OMDB API.

convert_params (*params*)
 Map OMDB params to our renaming.

get (*search=None, title=None, imdbid=None, year=None, fullplot=None, tomatoes=None, media_type=None, season=None, episode=None, timeout=None*)
 Generic request returned as dict.

request (***params*)
 HTTP GET request to OMDB API.

Raises exception for non-200 HTTP status codes.

set_default (*key, default*)
Set default request params.

set_model (*data, params*)
Convert data into first class models.

Project Info

8.1 License

The MIT License (MIT)

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8.2 Changelog

- Add support for `timeout` parameter to all HTTP requests.

8.2.1 v0.5.0 (2015-07-29)

- Add support for `Season/Episode OMDb` parameter via `season/episode` arguments to every main API function. Thanks [cihansahin!](#)

8.2.2 v0.4.0 (2015-04-29)

- Add `Season`, `Episode`, and `SeriesID` OMDb API fields as `season`, `episode`, and `series_id` model fields.

8.2.3 v0.3.1 (2015-01-27)

- Add metadata to main module:
 - `__title__`
 - `__summary__`
 - `__url__`
 - `__version__`
 - `__author__`
 - `__email__`
 - `__license__`

8.2.4 v0.3.0 (2015-01-13)

- Add `search_movie`.
- Add `search_episode`.
- Add `search_series`.
- Add support for `type` OMDB parameter via `media_type` argument to every main API function.

8.2.5 v0.2.0 (2014-10-16)

- Update `models.Item` with additional OMDB API fields: `Awards`, `Country`, `Language`, and `Metascore`.
- Add `omdb.request` method for easier access to raw request response.
- Initialization of `omdb.Client` now accepts keyword arguments for API request parameter defaults. Previously, a dict object needed to be passed in.
- Full PEP8 compliance.
- Integrate `tox` testing into `setup.py`.

8.2.6 v0.1.1 (2014-02-09)

- Python3 support. Thanks [agronholm](#)!
- PEP8 compliance excluding max-line-length. Thanks [agronholm](#)!
- Wheel support. Thanks [agronholm](#)!

8.2.7 v0.1.0 (2013-11-24)

- Convert API response to data models (see `omdb/models.py`).
- Add `/tests` folder and move appropriate doctests there.
- Return empty data for `search` and `get` requests which return no record(s).
- Add `omdb.set_default()` for setting default request parameters (e.g. `set_default(tomatoes=True)` to always include tomatoes data)

8.2.8 v0.0.1 (2013-11-12)

- Initial release.

8.3 Authors

8.3.1 Lead

- Derrick Gilland, dgilland@gmail.com, [dgilland@github](https://github.com/dgilland)

8.3.2 Contributors

- Alex Grönholm, [agronholm@github](https://github.com/agronholm)
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