
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.

CHAPTER 1

Installation

Using pip:

```
pip install omdb
```


CHAPTER 2

Dependencies

- requests \geq 2.0.1

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

3.1 Paramters

OMDb API Param	omdb.py Param	Value	Description
s	search	string (optional)	title of media to search for
i	imdbid	string (optional)	a valid IMDb ID
t	title	string (optional)	title of media to return
y	year	year (optional)	year of media
page	page	page (optional)	page to return
Season	season	season (optional)	season number
Episode	episode	episode (optional)	episode number
type	media_type	string (optional)	media type to return (one of movie, episode, or series)
plot=full	fullplot=True	full	include extended plot
plot=short	fullplot=False	short	include short plot (default)
tomatoes=true	tomatoes=True	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).	dict
<code>search(search, **params)</code>	Search by string.	list
<code>search_movie(search, **params)</code>	Search movies by string.	list
<code>search_episode(search, **params)</code>	Search episodes by string.	list
<code>search_series(search, **params)</code>	Search series by string.	list
<code>imdbid(imdbid, **params)</code>	Get by IMDB ID	dict
<code>title(title, **params)</code>	Get by title	dict
<code>set_default(key, default)</code>	Set default request parameter	None

3.3 Client

Instead of using the `omdb` module to access the OMDb API, one can create an `OMDBClient` instance:

```
from omdb import OMDBClient

client = OMDBClient(apikey=API_KEY)
```

Class Methods	Description	Returns
<code>get(**omdb_params)</code>	Generic request to OMDb API which can be used for any type of query.	list or dict
<code>request(**omdbapi_params)</code>	Low-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 API Data

API data returned from the OMDB API is returned as a dictionary with their fields converted from CamelCase to underscore_case.

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
Episodes	episodes
Season	season
SeriesID	series_id
Language	language
Metascore	metascore
Plot	plot
Poster	poster
Rated	rated
Ratings	ratings
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
Ratings	ratings
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

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 API Key

Usage of the OMDb API currently requires an API key. Set the OMDb API key with `omdb.set_default` or when creating a new `omdb.OMDBClient` instance:

```
# if using the module level client
omdb.set_default('apikey', API_KEY)

# if creating a new client instance
client = omdb.OMDBClient(apikey=API_KEY)
```

4.3 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)
```

4.4 omdb.search()

```
# search by string
omdb.search('True Grit')
omdb.search('True Grit', timeout=5)
omdb.search('true', page=2)
```

4.5 omdb.search_movie()

```
# search movies by string
omdb.search_movie('True Grit')
omdb.search_movie('True Grit', timeout=5)
omdb.search_movie('true', page=2)
```

4.6 omdb.search_episode()

```
# search episodes by string
omdb.search_episode('True Grit')
omdb.search_episode('True Grit', timeout=5)
omdb.search_episode('true', page=2)
```

4.7 omdb.search_series()

```
# search series by string
omdb.search_series('True Grit')
omdb.search_series('True Grit', timeout=5)
omdb.search_series('true', page=2)
```

4.8 omdb.imdbid()

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

4.9 omdb.title()

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


4.10 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)
```

4.11 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
```


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.OMDBClient (**defaults)`
HTTP request client for OMDb API.

format_params (*params*)

Format our custom named params to OMDb API param names.

format_search_item (*item*)

Format search item by converting dict key case from camel case to underscore case.

format_search_list (*items*)

Format each search item using `format_search_item()`.

format_search_results (*data, params*)

Format OMDb API search results into standard format.

get (*search=None, title=None, imdbid=None, year=None, page=1, fullplot=None, tomatoes=None, media_type=None, season=None, episode=None, timeout=None*)

Make OMDb API GET request and return results.

imdbid (*string, **params*)

Get by IMDB ID.

request (***params*)

Lower-level HTTP GET request to OMDb API.

Raises exception for non-200 HTTP status codes.

search (*string, **params*)

Search by string.

search_episode (*string, **params*)

Search episodes by string.

search_movie (*string, **params*)

Search movies by string.

search_series (*string, **params*)

Search series by string.

set_default (*key, default*)

Set default request params.

title (*string, **params*)

Get by title.

8.1 License

The MIT License (MIT)

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8.2 Changelog

8.2.1 v0.10.0 (2018-04-08)

- Add methods to `OMDBCClient` that mirror module functions:
 - `search()`
 - `search_movie()`
 - `search_episode()`

```
- search_series()  
- imdbid()  
- title()
```

8.2.2 v0.9.1 (2018-03-24)

- Remove `omdb.models` module and return plain dictionaries from search results instead of custom model classes. (**breaking change**)
 - Previously, one could access result items using attributes (e.g. `result.title`) or indexes (e.g. `result['title']`). Now, results are dict objects so must use `result['title']`.
- Rename `omdb.Client` to `omdb.OMDBClient`. (**breaking change**)
- Make `omdb.request|omdb.OMDBClient.request` use an API key if it's set.

8.2.3 v0.8.1 (2017-08-10)

- Add support for OMDb API key via `omdb.set_default(apikey=API_KEY)` or `client = omdb.Client(apikey=API_KEY)`. Thanks [oshribr!](#)
- Add Episodes OMDb API fields as episodes model field.

8.2.4 v0.7.0 (2016-08-03)

- Add support for page parameter to search. Thanks [taserian!](#)

8.2.5 v0.6.0 (2016-05-22)

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

8.2.6 v0.5.0 (2015-07-29)

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

8.2.7 v0.4.0 (2015-04-29)

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

8.2.8 v0.3.1 (2015-01-27)

- Add metadata to main module:
 - `__title__`
 - `__summary__`
 - `__url__`

- `__version__`
- `__author__`
- `__email__`
- `__license__`

8.2.9 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.

8.2.10 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`.

8.2.11 v0.1.1 (2014-02-09)

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

8.2.12 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)

8.2.13 v0.0.1 (2013-11-12)

- Initial release.

8.3 Authors

8.3.1 Lead

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