# omdb Documentation

Release 0.10.1

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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.

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	Installation
Using pip:	
pip install omdb	

Dependencies

• requests >= 2.0.1

API

Each  ${\tt omdb.py}$  method supports the same parameters as the  ${\tt OMDb}$   ${\tt API}.$ 

### 3.1 Paramters

OMDb API Param	omdb.py Param	Value	Description
S	search	string (op- tional)	title of media to search for
i	imdbid	string (op- tional)	a valid IMDb ID
t	title	string (op- tional)	title of media to return
У	year	year (optional)	year of media
page	page	page (optional)	page to return
Season	season	season (op-	season number
		tional)	
Episode	episode	episode (op-	episode number
		tional)	
type	media_type	string (op-	media type to return (one of movie, episode, or
		tional)	series)
plot=full	fullplot=True	full	include extended plot
plot=short	fullplot=Fals	eshort	include short plot (default)
tomatoes=true	tomatoes=True	true (op-	add Rotten Tomatoes data to response
		tional)	

**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 ombd.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	Description	Re- turns
	Consideration of the OMDL ADI (see the lateral see and see	
<pre>get(**params)</pre>	Generic request to OMDb API (requires keyword argument pass-	dict
	ing of all parameters).	
<pre>search(search, **params)</pre>	Search by string.	list
search_movie(search,	Search movies by string.	list
**params)		
search_episode(search,	Search episodes by string.	list
**params)		
search_series(search,	Search series by string.	list
**params)		
<pre>imdbid(imdbid, **params)</pre>	Get by IMDB ID	dict
title(title, **params)	Get by title	dict
set_default(key,	Set default request parameter	None
default)		

### 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	
<pre>get(**omdb_params)</pre>	Generic request to OMDb API which can be used for any type of	list or dict	
	query.		
request(**omdbapi_	request (**omdbapi_phowerslevel request to OMDb API which accepts URL query pa- request.		
	rameters supported by OMDb API.	Response	
set_default(key,	Set default request parameter.	None	
default)			

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### 3.4 API Data

API data returned from the OMDb API is returned as a dictionary with their fields converted from CamelCase to  $\texttt{underscore\_case}$ .

#### 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
Туре	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)

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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

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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 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)
```

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## 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.

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## 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.

Guide

### 6.1 Installation

**omdb** requires Python >= 2.6 or >= 3.4.

To install from PyPi:

pip install omdb

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

```
format_params (params)
              Format our custom named params to OMDb API param names.
{\tt 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.
\verb|get| (search=None, title=None, imdbid=None, year=None, page=1, fullplot=None, tomatoes=None, members and title=None, title=None, imdbid=None, year=None, page=1, fullplot=None, tomatoes=None, members and title=None, tit
               dia_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.
```

Project Info

#### 8.1 License

The MIT License (MIT)

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### 8.2 Changelog

#### 8.2.1 v0.10.1 (2018-12-10)

- Fix mishandling of fullplot, tomatoes, and timeout parameters in OMDBClient.get() that did not work correctly in conjuction with OMDBClient.set\_default().
- Fix mishandling of type parameter which was not being serialized to API request.

#### 8.2.2 v0.10.0 (2018-04-08)

- Add methods to OMDBClient that mirror module functions:
  - search()
  - search\_movie()
  - search\_episode()
  - search\_series()
  - imdbid()
  - title()

#### 8.2.3 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.

#### 8.2.4 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 Epiodes OMDb API fields as episodes model field.

#### 8.2.5 v0.7.0 (2016-08-03)

• Add support for page parameter to search. Thanks taserian!

#### 8.2.6 v0.6.0 (2016-05-22)

• Add support for timeout parameter to all HTTP requests.

#### 8.2.7 v0.5.0 (2015-07-29)

 Add support for Season/Episode OMDb parameter via season/episode arguments to every main API function. Thanks cihansahin!

#### 8.2.8 v0.4.0 (2015-04-29)

• Add Season, Episode, and SeriesID OMDb API fields as season, episode, and series\_id model fields.

#### 8.2.9 v0.3.1 (2015-01-27)

• Add metadata to main module:

```
- __title__
- __summary__
- __url__
- __version__
- __author__
- email
```

#### 8.2.10 v0.3.0 (2015-01-13)

- \_\_license\_\_

- Add search movie.
- Add search\_episode.
- Add search\_series.
- Add support for type OMDb parameter via media\_type argument to every main API function.

#### 8.2.11 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.

#### 8.2.12 v0.1.1 (2014-02-09)

- Python3 support. Thanks agronholm!
- PEP8 compliance excluding max-line-length. Thanks agronholm!
- · Wheel support. Thanks agronholm!

#### 8.2.13 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)

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### 8.2.14 v0.0.1 (2013-11-12)

• Initial release.

### 8.3 Authors

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