
mpd*pydb*Documentation

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Contents

1	Installation	3
1.1	PyPI	3
1.2	Git	3
2	Usage	5
3	Song objects	7
4	MPD PyDB	9
5	Indices and tables	11
	Python Module Index	13

Contents:

1.1 PyPI

Lala is available on the Python Package Index. This makes installing it with `pip` as easy as:

```
pip install mpd_pydb
```

1.2 Git

If you want the latest code or even feel like contributing, the code is available on [Github](#).

You can easily clone the code with `git`:

```
git clone git://github.com/mineo/mpd_pydb.git
```

Now you can start hacking on the code or install it system-wide:

```
python setup.py install
```


CHAPTER 2

Usage

To use this module, simply import it:

```
import mpd_pydb
```

and read your MPD database into an *Database* object:

```
db = mpd_pydb.Database.read_file("/path/to/the/database.db")
```


A song object is a `namedtuple()` object with each tag type defined in the MPD database available as a field. In addition to the tag types you can configure in MPDs configuration file, 3 additional fields are available:

Time The length of the song as a `float`.

mtime The time at which the file was last modified, in `Unix time` as an `int`.

path The path to the file inside of MPDs music directory as an `Path` object

music_dir_ The absolute path to the music directory on the local hard drive. This is used to implement support for [PEP 519](#)'s `os.PathLike.__fspath__()` method on the song objects.

API:

class mpd_pydb.db.Database (*format_version, mpd_version, supported_tags, songs=None*)

Bases: `object`

Parameters

- **format_version** (*int*) –
- **mpd_version** (*str*) –
- **supported_tags** (*iterable*) –
- **songs** (*[namedtuple]*) – A list of songs in the database

Raises

- **ValueError** – If the `format_version` is not supported or `mpd_version` is `None`
- **TypeError** – If `supported_tags` is not iterable

add_song (*song*)

Add song to this DB.

Parameters *song* (*namedtuple*) –

format_version = None

The database format version

mpd_version = None

The version of MPD that created this database

classmethod read_file (*filename, music_dir=None*)

Read the database in *filename*.

Parameters

- **filename** (*str*) – The path to the database file
- **music_dir** (*str*) – The path to MPD's music directory

songs = None

A list of songs in this database

supported_tags = None

A list containing the names of all supported tags

to_dataframe()

Convert this database to a pandas DataFrame. In addition to the tags already loaded, the two columns `TotalDiscs` and `TotalTracks` will be populated with the values from `Disc` and `Track` tags (ID3 only). The `Disc` and `Track` tags will no longer contain information about the total amount of discs and tracks after the conversion.

Return type DataFrame

CHAPTER 5

Indices and tables

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

m

`mpd_pydb.db`, 7

A

`add_song()` (`mpd_pydb.db.Database` method), 9

D

`Database` (class in `mpd_pydb.db`), 9

F

`format_version` (`mpd_pydb.db.Database` attribute), 9

M

`mpd_pydb.db` (module), 7

`mpd_version` (`mpd_pydb.db.Database` attribute), 9

P

Python Enhancement Proposals

PEP 519, 7

R

`read_file()` (`mpd_pydb.db.Database` class method), 9

S

`songs` (`mpd_pydb.db.Database` attribute), 9

`supported_tags` (`mpd_pydb.db.Database` attribute), 10

T

`to_dataframe()` (`mpd_pydb.db.Database` method), 10