
GuessIt Documentation

Release 2.1.1

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December 04, 2016

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GuessIt is a python library that extracts as much information as possible from a video filename.

It has a very powerful matcher that allows to guess properties from a video using its filename only. This matcher works with both movies and tv shows episodes.

For example, GuessIt can do the following:

```
$ guessit "Treme.1x03.Right.Place,.Wrong.Time.HDTV.XviD-NoTV.avi"
For: Treme.1x03.Right.Place,.Wrong.Time.HDTV.XviD-NoTV.avi
GuessIt found: {
  "title": "Treme",
  "season": 1,
  "episode": 3,
  "episode_title": "Right Place, Wrong Time",
  "format": "HDTV",
  "video_codec": "XviD",
  "release_group": "NoTV",
  "container": "avi",
  "mimetype": "video/x-msvideo",
  "type": "episode"
}
```

Migration note

GuessIt 2 has been rewritten from scratch. GuessIt is now a release name parser only, and support for additional features like hashes computations has been dropped.

To migrate from guessit 0.x or 1.x, please read the migration page.

Install

Installing GuessIt is simple with `pip`:

```
$ pip install guessit
```

You can also install from sources.

Usage

GuessIt can be used from command line:

```
$ guessit
usage: guessit [-h] [-t TYPE] [-n] [-Y] [-D] [-L ALLOWED_LANGUAGES]
               [-C ALLOWED_COUNTRIES] [-E] [-T EXPECTED_TITLE]
               [-G EXPECTED_GROUP] [-f INPUT_FILE] [-v] [-P SHOW_PROPERTY]
               [-a] [-j] [-y] [-p] [-V] [--version]
               [filename [filename ...]]

positional arguments:
  filename              Filename or release name to guess

optional arguments:
  -h, --help            show this help message and exit

Naming:
  -t TYPE, --type TYPE  The suggested file type: movie, episode. If undefined,
                        type will be guessed.
  -n, --name-only       Parse files as name only, considering "/" and "\" like
                        other separators.
  -Y, --date-year-first
                        If short date is found, consider the first digits as
                        the year.
  -D, --date-day-first  If short date is found, consider the second digits as
                        the day.
  -L ALLOWED_LANGUAGES, --allowed-languages ALLOWED_LANGUAGES
                        Allowed language (can be used multiple times)
  -C ALLOWED_COUNTRIES, --allowed-countries ALLOWED_COUNTRIES
                        Allowed country (can be used multiple times)
  -E, --episode-prefer-number
                        Guess "serie.213.avi" as the episode 213. Without this
                        option, it will be guessed as season 2, episode 13
  -T EXPECTED_TITLE, --expected-title EXPECTED_TITLE
                        Expected title to parse (can be used multiple times)
  -G EXPECTED_GROUP, --expected-group EXPECTED_GROUP
                        Expected release group (can be used multiple times)

Input:
  -f INPUT_FILE, --input-file INPUT_FILE
                        Read filenames from an input text file. File should
                        use UTF-8 charset.

Output:
```

```
-v, --verbose          Display debug output
-P SHOW_PROPERTY, --show-property SHOW_PROPERTY
                        Display the value of a single property (title, series,
                        video_codec, year, ...)
-a, --advanced          Display advanced information for filename guesses, as
                        json output
-j, --json              Display information for filename guesses as json
                        output
-y, --yaml              Display information for filename guesses as yaml
                        output

Information:
-p, --properties        Display properties that can be guessed.
-V, --values            Display property values that can be guessed.
--version               Display the guessit version.
```

It can also be used as a python module:

```
>>> from guessit import guessit
>>> guessit('Treme.1x03.Right.Place,.Wrong.Time.HDTV.XviD-NoTV.avi')
MatchesDict([('title', 'Treme'), ('season', 1), ('episode', 3), ('episode_title', 'Right Place, Wrong Time')])
```

MatchesDict is a dict that keeps matches ordering.

Command line options can be given as dict or string to the second argument.

REST API

A REST API will be available soon ...

Sources are available in a dedicated [guessit-rest](#) repository.

Support

This project is hosted on [GitHub](#). Feel free to open an issue if you think you have found a bug or something is missing in guessit.

GuessIt relies on [Rebulk](#) project for pattern and rules registration.

License

GuessIt is licensed under the [LGPLv3](#) license.