GuessIt Documentation

Release 2.0.4

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Contents

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 rewriten 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(u'Treme.1x03.Right.Place,.Wrong.Time.HDTV.XviD-NoTV.avi')
MatchesDict([('title', 'Treme'), ('season', 1), ('episode', 3), ('episode_title', 'Right Place, Wrong
```

`MatchesDict` is a dict that keeps matches ordering.

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

GuessIt only accept unicode string, so you need to use u prefix for input string on python 2.

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

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