

---

# **GuessIt Documentation**

***Release 2.0.3***

**Remi Alvergnat**

February 02, 2016



<b>1</b>	<b>Migration note</b>	<b>3</b>
<b>2</b>	<b>Install</b>	<b>5</b>
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>REST API</b>	<b>9</b>
<b>5</b>	<b>Support</b>	<b>11</b>
<b>6</b>	<b>License</b>	<b>13</b>



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(u'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.

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

---

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