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# **GuessIt Documentation**

***Release 2.1.3***

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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"
}
```



# CHAPTER 1

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## Migration note

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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.





## CHAPTER 2

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### Install

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Installing GuessIt is simple with `pip`:

```
$ pip install guessit
```

You can also install from sources.



## CHAPTER 3

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### Usage

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GuessIt can be used from command line:

```
$ guessit
usage: guessit [-h] [-c CONFIG] [-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:
  -c CONFIG, --config CONFIG
                        Filepath to the configuration file. Configuration
                        contains the same options as those command line
                        options, but option names have "-" characters replaced
                        with "_". If not defined, guessit tries to read a
                        configuration default configuration file at
                        ~/.guessit/options.(json|yaml|yaml) and
                        ~/.config/guessit/options.(json|yaml|yaml). Set to
                        "false" to disable default configuration file loading.
  -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'), ('format', 'HDTV'), ('video_codec', 'XviD'), ('release_
↪ group', 'NoTV'), ('container', 'avi'), ('mimetype', 'video/x-msvideo'), ('type',
↪ 'episode')])
```

MatchesDict is a dict that keeps matches ordering.

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

## CHAPTER 4

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### REST API

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A REST API will be available soon ...

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



## CHAPTER 5

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### Support

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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.





## CHAPTER 6

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### License

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