

ltxfileinfo print version information for a LaTeX file

doc generated from the script with `gendoc`

zsh script, version=3.00

Synopsis

```
ltxfileinfo [options] filename
```

Options

<code>-h, --help</code>	print this help and exit
<code>-H, --Help</code>	print full documentation via less and exit
<code>-V</code>	print script's version and exit
<code>-f, --flat</code>	output as 1 line with 6 tab-separated fields: error code, file, date, version, encoding and info; With the <code>--verbose</code> option a 7th field is printed: the full path of the file.
<code>-m, --mark</code>	mark wrong or unusual elements in \Provides...
<code>-k, --key=X</code>	print the corresponding field: file, type, date, version, encoding, info or location respectively.
<code>-v, --verbose</code>	print debugging info

Description

ltxfileinfo displays version information for LaTeX files. If no path information is given, the file is searched using `kpsewhich`. As an extra, for developers, the script will check the validity of the `\Provides...` statement in the files.

Without an option, the output will be of the form:

```
$ ltxfileinfo ctable.sty
file: ctable
type: Package
date: 2025/07/10
vers: v1.32
enco: us-ascii
info: package for flexible key/value driven typesetting of floats
loca: /texlive/texmf-local/tex/latex/ctable/ctable.sty
```

With the `--mark` option, missing information is represented by `--*`, wrong dates and odd-formatted version data will be marked with a `*`:

```
$ ltxfileinfo -m yhmath.sty
file: yhmath
type: Package
date: 2020/03/17
vers: v1.6
enco: us-ascii
info: --* (absent)
loca: /texlive/2026/texmf-dist/tex/latex/yhmath/yhmath.sty
```

If the terminal supports color, it colorizes such wrong data with red. This is useful for developers who want to check the correctness of their `\Provides...` statements. The number of errors detected (upto 4) will be reflected in the exit status. For example:

```
$ ltxfileinfo -m arfonts.sty
file: ARfonts* (should be arfonts)
type: Package
date: 2006/01/01
vers: --* (absent)
enco: us-ascii
info: Part of the Arabi package
loca: /texlive/2026/texmf-dist/tex/latex/arabi/arfonts.sty
```

We see here, that the `\ProvidesPackage` statement has an incorrect first argument and has no version information. The exit status will be 10.

Other output formats

With the `--date` option, only the file's date will be shown, unlabeled. The `--version`, `--location`, `--info` options are treated analogously.

```
$ ltxfileinfo -v chronology.sty
v2.0
```

The `--flat` option prints an error code and the fields (except loca:, the last field) on one line, unlabeled and tab-separated:

```
$ ltxfileinfo --flat chronology.sty
00000chronology    sty    2023/08/20v2.0us-ascii    - Horizontal Timeline
```

Bugs

On my system, I have a total of 16872 files that contain a `\Provides...` statement. I ran them all through `ltxfileinfo` and made the following summary of detected errors:

```
16872 Total \Provides... containing files tested
6384  showed no errors
2518  had missing info-fields
 366  had encodings other than utf-8 or us-ascii
8477  had missing or badly formatted versions
2919  had missing or badly formatted dates
1193  had incorrect first argument in \Provides statement
```

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