

myfilist

List Infos on just the Files You Want to Know About*

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Abstract

`myfilist` addresses lazy file versions management, when you move your package or chapter files through various computers and various directories and after a while wonder where the most recent versions are.

Like Paul Ebermann’s `dateiliste`,¹ `myfilist` varies L^AT_EX’s `\listfiles` for listing file (especially version) informations. Differences to `dateiliste` and L^AT_EX are:

1. You choose the files (and their order) to be listed;
2. indeed: this has very little to do with files used in typesetting some document;
3. output is just screen, `.log`, or a `.txt`-type file that you choose.

The code of this package is two years old; presenting it *now* is a kind of study on improving `nicetext`’s² `txt-to-LATEX` processing after `nicetext v0.4` (aim was to do this without modifying the documented file, yet I did not obey this ruly strictly here). The new idea is adding `wiki.sty`’s “environments” feature to `makedoc` and `niceverb`’s “auto mode” in order to interpret `txt` comment indents in the package file, while `wiki.sty`’s *font* switching still is not compatible with `niceverb`’s. Easy script commands for achieving this are still missing (sorry; see the code in `myfilist.tex` that achieved the present formatting.)

*This file describes version `v0.3` of `myfilist.sty` as of 2010/11/27.

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¹<http://ctan.org/pkg/dateiliste>

²<http://ctan.org/pkg/nicotext>

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1 Installing

The file `myfilist.sty` is provided ready, installation only requires putting it somewhere where \TeX finds it (which may need updating the filename data base).³

2 File Info Header

```

1 \def \filename {myfilist.sty} %% macro package for LaTeX,
2
3 %% modifies \listfiles to choose files to be listed and
4 %% list them in a chosen file.
5
6 \def \fileversion {0.3}      \def \filedate {2010/11/27}
7
8 %% copyright (C) 2008, 2010 Uwe Lueck,
9 %% http://www.contact-ednotes.sty.de.vu
10 %% -- author-maintained in the sense of LPPL below.
11 %%
12 %% This file can be redistributed and/or modified under
13 %% the terms of the LaTeX Project Public License; either
14 %% version 1.3a of the License, or any later version.
15 %% The latest version of this license is in
16 %%      http://www.latex-project.org/lppl.txt
17 %% We did our best to help you, but there is NO WARRANTY.
18 %%
19 %% Please report bugs, problems, and suggestions via
20 %%
21 %%      http://www.contact-ednotes.sty.de.vu
22 %%
```

³<http://www.tex.ac.uk/cgi-bin/texfaq2html?label=inst-wlcf>

3 Usage

Write a script file like `gather.tex` which you should have received together with `myfilist.sty`. We use L^AT_EX 2_ε (required!), yet (in general) not for typesetting a document, therefore the script file needn't contain `\documentclass`. `myfilist.sty` is loaded by

```
\RequirePackage{myfilist}
```

instead of `\usepackage{myfilist}`. Usually you don't want to have `myfilist.sty` in the list, so type

```
\EmptyFileList
```

next; or type it after some additional `\RequirePackage...` for packages you want to use but not list.

Next list the names of the files whose informations you want to get as arguments of

```
\ReadFileInfos or \ReadPackageInfos or \ReadClassInfo
```

With the latter two, you can omit “.sty” or “.cls” as with `\usepackage` and `\documentclass`. With the first one, the file name extension “.tex” may be omitted. The two first commands accept lists with commas as separators almost like with `\usepackage` (currently we must use “%” to hide a line break in the script, and there must be no spaces in the list).—For more details on these commands, please see `readprov.pdf`.

The list of files is actually printed in the transcript `.log` and on screen on

```
\ListInfos
```

The list can additionally be written into a plain text file,

```
\ListInfos[filelist.txt]
```

as an example; i.e., you can use the brackets to tell which file is to contain your list of files. The file informations appear in the order of their names in your script file.

`\ListInfos` concludes, ends the job, anything following in the script file will be ignored.—All of this requires that you *run* `gather.tex` or your other script file, about as

```
latex gather
```

To list files that were loaded earlier in a different order, list them in an *optional argument* of `\EmptyFileList`, e.g.,

```
\EmptyFileList[myfilist.sty,readprov.sty]
```

Note: `myfilist.sty` (in its present state) is unable to list files that don't contain `\ProvidesPackage`, `\ProvidesClass`, or `\ProvidesFile`. `myfilist.sty` “loads”

files to extract version informations, but quits them as soon as it has found one of these L^AT_EX 2_ε commands.

4 Implementation

```

23 \NeedsTeXFormat{LaTeX2e}[1994/12/01] %% \newcommand* etc.
24 \ProvidesPackage{myfilist}
25     [\filedate\space v\fileversion \space
26     \string\listfiles\space-- mine only (UL)]
27
28 \ReadFileInfos, \ReadPackageInfos, and \ReadClassInfo are imple-
29 mented in readprov.sty:
30
31 \EmptyFileList[\read-again-files]
32
33 \newcommand{\EmptyFileList}[1] [] {%
34     \let\@filelist\@gobble
35     \for\@tempa:=#1\do{%
36         \global \expandafter \let \csname ver@\@tempa\endcsname \relax}}
37
38 \ListInfos[\external-output-file]
39
40 \newcommand*{\ListInfos}[1] [] {%
41     \ifx$#1$\@dofilelist\else
42         \newwrite\file@of@filelist
43         \immediate\openout\file@of@filelist=#1\relax
44         \def\typeout##1{%
45             \read@typeout{##1}%
46             \immediate\write\file@of@filelist{##1}}%
47         \@dofilelist
48         %% made at:
49         \@tempcnta\time \@tempcntb\@tempcnta
50         \divide\@tempcnta 60 \count@\@tempcnta
51         \multiply\count@ 60 \advance\@tempcntb -\count@
52         \typeout{ List made at
53             \the\year/\two@digits{\the\month}/\two@digits{\the\day},
54             \two@digits{\the\@tempcnta}:\two@digits{\the\@tempcntb}^J
55             from script file \jobname.tex^J}%% TODO ‘.tex’!? 2008/03/19
56         \immediate\closeout\file@of@filelist
57     \fi
58     \stop}
59     %% <- TODO how to suppress first empty line? 2008/03/16
60     %% -> TODO more general style of output file 2008/03/19
61 \let\read@typeout\typeout
62 \listfiles

```

```

58 \endinput
59
60 %% VERSION HISTORY
61 v0.1    2008/03/19  created file ‘‘readprov.sty’’
62          2008/03/23  smart file name separation, \ifx$ for \ifcat$
63          2008/05/22  typo ist -> it
64 v0.2    2010/04/03  renamed ‘‘myfiles.sty’’;
65          broke long lines etc. for doc
66 SENT TO CTAN -- declined
67 v0.2a   2010/04/08  undoubled \NeedsTeXFormat, copyright updated
68 v0.3    2010/11/26  split off from ‘‘myfiles.sty’’, opt. arg. for
69                    \EmptyFileList, doc. reworked
70          2010/11/27  some USAGE clarifications
71

```

5 Example

gather.tex for the present bundle has been as follows (added development versions of fifinddo.sty etc.):

```

\RequirePackage{myfilist}
\ProvidesFile{gather.tex}[2010/11/27 collect file infos]
\EmptyFileList[readprov.sty,myfilist.sty]
\ReadPackageInfos{readprov,myfilist}
\ReadFileInfos{readprov.tex,myfilist.tex,makedoc.cfg,README.tex}
\ReadPackageInfos{fifinddo,makedoc,niceverb}
\ReadFileInfos{gather}
\ListInfos[CONTENTs.txt]

```