

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 was ready in spring 2008; in spring 2010 I presented it as 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 `v0.3a` of `myfilist.sty` as of 2011/01/30.

[†]<http://contact-ednotes.sty.de.vu>

¹<http://ctan.org/pkg/dateiliste>

²<http://ctan.org/pkg/nicetext>

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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 {0.3a}    \def \filedate {2011/01/30}
7
8 %% copyright (C) 2008, 2010, 2011 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)]

\ReadFileInfos, \ReadPackageInfos, and \ReadClassInfo are imple-
mented in readprov.sty:

27 \RequirePackage{readprov}[2010/11/26]

\EmptyFileList[\read-again-files]

28 \newcommand{\EmptyFileList}[1][]{\%
29 \let\@filelist\@gobble
30 \@for\@tempa:=#1\do{\%
31 \global \expandafter \let \csname ver@\@tempa\endcsname \relax}}

\ListInfos[\external-output-file]

32 \newcommand*{\ListInfos}[1][]{\%
33 \ifx$#1$\@dofilelist\else
34 \newwrite\file@of@filelist
35 \immediate\openout\file@of@filelist=#1\relax
36 \def\typeout##1{\%
37 \read@typeout{##1}\%
38 \immediate\write\file@of@filelist{##1}}\%
39 \@dofilelist
40 %% made at:
41 \@tempcnta\time \@tempcntb\@tempcnta
42 \divide\@tempcnta 60 \count@\@tempcnta
43 \multiply\count@ 60 \advance\@tempcntb -\count@
44 \typeout{ List made at
45 \the\year/\two@digits{\the\month}/\two@digits{\the\day},
46 \two@digits{\the\@tempcnta}:\two@digits{\the\@tempcntb}^^J
47 from script file \jobname.tex^^J}}% TODO ‘.tex’!? 2008/03/19
48 \immediate\closeout\file@of@filelist
49 \fi
50 \stop}
51 %% <- TODO how to suppress first empty line? 2008/03/16
52 %% -> TODO more general style of output file 2008/03/19
53 \let\read@typeout\typeout
54 \listfiles
55
56 \endinput
57
```

```

58  %% VERSION HISTORY
59  v0.1    2008/03/19  created file ‘‘readprov.sty’’
60           2008/03/23  smart file name separation, \ifx$ for \ifcat$
61           2008/05/22  typo ist -> it
62  v0.2    2010/04/03  renamed ‘‘myfiles.sty’’;
63           broke long lines etc. for doc
64  SENT TO CTAN -- declined
65  v0.2a   2010/04/08  undoubled \NeedsTeXFormat, copyright updated
66  v0.3    2010/11/26  split off from ‘‘myfiles.sty’’, opt. arg. for
67           \EmptyFileList, doc. reworked
68           2010/11/27  some USAGE clarifications
69  v0.3a   2011/01/29  two empty lines commented out
70           2011/01/30  copyright updated
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}[2012/03/18 collect file infos]
\EmptyFileList[readprov.sty,myfilist.sty]
\ReadPackageInfos{readprov,myfilist}
\ReadFileInfos{readprov,myfilist,README.tex}%%%,makedoc.cfg}
% \ReadPackageInfos{fifinddo,makedoc,niceverb}
\ReadFileInfos{gather}
\ListInfos[CONTENTs.txt]

```