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 LaTeX's \listfiles for listing file (especially version) informations. Differences to dateiliste and LaTeX 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's[2] 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.)

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[*]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

Contents

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   %%
```

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[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 LaTeX 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 LATEX 2ε 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 implemented 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}[2010/11/30 collect file infos]
\EmptyFileList[readprov.sty,myfilist.sty]
\ReadPackageInfos{readprov,myfilist}
\ReadFileInfos{readprov,myfilist,makedoc.cfg,README.tex}
% \ReadPackageInfos{fifinddo,makedoc,niceverb}
\ReadFileInfos{gather}
\ListInfos[CONTENTs.txt]
```