

The infwarerr package

Heiko Oberdiek
<oberdiek@uni-freiburg.de>

2007/09/09 v1.2

Abstract

This package provides a complete set of macros for informations, warnings and error messages with support for plain-TeX.

Contents

1 Documentation	1
2 Implementation	2
2.1 Reload check and package identification	2
2.2 Catcodes	3
2.3 L ^A T _E X detection	3
2.4 Version for L ^A T _E X	4
2.5 Version for plain-TeX	5
3 Test	7
3.1 Catcode checks for loading	7
3.2 Macro tests	9
4 Installation	12
4.1 Download	12
4.2 Bundle installation	12
4.3 Package installation	13
4.4 Refresh file name databases	13
4.5 Some details for the interested	13
5 History	14
[2007/04/26 v1.0]	14
[2007/06/14 v1.1]	14
[2007/09/09 v1.2]	14
6 Index	14

1 Documentation

Package infwarerr defines the following set of commands, given as pseudo regular expression:

`\@(Package|Class)(Info|InfoNoLine|Warning|WarningNoLine|Error)`

The first argument is the package or class in question. The second argument contains the message text. `\MessageBreak` is supported. In case of error messages, the third argument contains the help text. Supported are L^AT_EX's message texts `\@ehc`:

Try typing <return> to proceed
 If that doesn't work, type X <return> to quit.

and \@ehd:

You're in trouble here. Try typing <return> to proceed
 If that doesn't work, type X <return> to quit.

The package is intended for macro writers that want to write code that works for both L^AT_EX and plain-T_EX. If L^AT_EX is detected, then the macros of this package will only be wrappers for L^AT_EX's macros. Otherwise L^AT_EX's macros will be mimicked for use with plain-T_EX.

2 Implementation

1 (*package)

2.1 Reload check and package identification

Reload check, especially if the package is not used with L^AT_EX.

```

2 \begingroup
3 \catcode44 12 % ,
4 \catcode45 12 % -
5 \catcode46 12 % .
6 \catcode58 12 % :
7 \catcode64 11 % @
8 \catcode123 1 % {
9 \catcode125 2 % }
10 \expandafter\let\expandafter\x\csname ver@infwarerr.sty\endcsname
11 \ifx\x\relax % plain-TeX, first loading
12 \else
13 \def\empty{}%
14 \ifx\x\empty % LaTeX, first loading,
15 % variable is initialized, but \ProvidesPackage not yet seen
16 \else
17 \catcode35 6 % #
18 \expandafter\ifx\csname PackageInfo\endcsname\relax
19 \def\x#1#2{%
20 \immediate\write-1{Package #1 Info: #2.}%
21 }%
22 \else
23 \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
24 \fi
25 \x{infwarerr}{The package is already loaded}%
26 \aftergroup\endinput
27 \fi
28 \fi
29 \endgroup

```

Package identification:

```

30 \begingroup
31 \catcode35 6 % #
32 \catcode40 12 % (
33 \catcode41 12 % )
34 \catcode44 12 % ,
35 \catcode45 12 % -
36 \catcode46 12 % .
37 \catcode47 12 % /
38 \catcode58 12 % :
39 \catcode64 11 % @
40 \catcode91 12 % [
41 \catcode93 12 % ]
42 \catcode123 1 % {

```

```

43 \catcode125 2 % }
44 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
45 \def\x#1#2#3[#4]{\endgroup
46 \immediate\write-1{Package: #3 #4}%
47 \xdef#1{#4}%
48 }%
49 \else
50 \def\x#1#2[#3]{\endgroup
51 #2[#3]}%
52 \ifx#1\@undefined
53 \xdef#1{#3}%
54 \fi
55 \ifx#1\relax
56 \xdef#1{#3}%
57 \fi
58 }%
59 \fi
60 \expandafter\x\csname ver@infwarerr.sty\endcsname
61 \ProvidesPackage{infwarerr}%
62 [2007/09/09 v1.2 Providing info/warning/message (H0)]

```

2.2 Catcodes

```

63 \begingroup
64 \catcode123 1 % {
65 \catcode125 2 % }
66 \def\x{\endgroup
67 \expandafter\edef\csname InfWarErr@AtEnd\endcsname{%
68 \catcode35 \the\catcode35\relax
69 \catcode64 \the\catcode64\relax
70 \catcode123 \the\catcode123\relax
71 \catcode125 \the\catcode125\relax
72 }%
73 }%
74 \x
75 \catcode35 6 % #
76 \catcode64 11 % @
77 \catcode123 1 % {
78 \catcode125 2 % }
79 \def\TMP@EnsureCode#1#2{%
80 \edef\InfWarErr@AtEnd{%
81 \InfWarErr@AtEnd
82 \catcode#1 \the\catcode#1\relax
83 }%
84 \catcode#1 #2\relax
85 }
86 \TMP@EnsureCode{10}{12}% ^^J
87 \TMP@EnsureCode{39}{12}% '
88 \TMP@EnsureCode{40}{12}% (
89 \TMP@EnsureCode{41}{12}% )
90 \TMP@EnsureCode{44}{12}% ,
91 \TMP@EnsureCode{45}{12}% -
92 \TMP@EnsureCode{46}{12}% .
93 \TMP@EnsureCode{58}{12}% :
94 \TMP@EnsureCode{60}{12}% <
95 \TMP@EnsureCode{61}{12}% =
96 \TMP@EnsureCode{62}{12}% >
97 \TMP@EnsureCode{94}{7}% ^

```

2.3 L^AT_EX detection

```

98 \begingroup
99 \let\x=Y%

```

```

100 \def\check#1{%
101     \@check{Generic}{#1}%
102     \@check{Package}{#1}%
103     \@check{Class}{#1}%
104 }%
105 \def\@check#1#2{%
106     \expandafter\ifx\csname #1#2\endcsname\relax
107         \let\x=N%
108         \fi
109     }%
110     \@check{Info}%
111     \@check{Warning}%
112     \@check{Error}%
113     \@check{Package}{WarningNoLine}%
114     \@check{Class}{WarningNoLine}%
115     \@check{}{@ehc}%
116     \@check{}{@ehd}%
117 \expandafter\endgroup
118 \ifx\x Y%

```

2.4 Version for L^AT_EX

\@PackageInfo

```
119 \let\@PackageInfo\PackageInfo
```

\@PackageInfoNoLine

```
120 \def\@PackageInfoNoLine#1#2{%
121     \PackageInfo{#1}{#2@gobble}%
122 }%
```

\@ClassInfo

```
123 \let\@ClassInfo\ClassInfo
```

\@ClassInfoNoLine

```
124 \def\@ClassInfoNoLine#1#2{%
125     \ClassInfo{#1}{#2@gobble}%
126 }%
```

\@PackageWarning

```
127 \let\@PackageWarning\PackageWarning
```

\@PackageWarningNoLine

```
128 \let\@PackageWarningNoLine\PackageWarningNoLine
```

\@ClassWarning

```
129 \let\@ClassWarning\ClassWarning
```

\@ClassWarningNoLine

```
130 \let\@ClassWarningNoLine\ClassWarningNoLine
```

\@PackageError

```
131 \let\@PackageError\PackageError
```

\@ClassError

```
132 \let\@ClassError\ClassError
```

```
133 \InfWarErr@AtEnd
```

```
134 \expandafter\endinput
```

```
135 \fi
```

2.5 Version for plain-TeX

`\InfWarErr@online`

```

136 \begingroup\expandafter\endgroup
137 \ifcase\expandafter\ifx\csname inputlineno\endcsname\relax
138     0 %
139     \else
140         \ifnum\inputlineno<0 %
141             0 %
142         \else
143             1 %
144         \fi
145     \fi
146 \def\InfWarErr@online{}%
147 \else
148 \def\InfWarErr@online{ on input line \the\inputlineno}%
149 \fi

```

`\InfWarErr@protected`

```

150 \begingroup\expandafter\expandafter\expandafter\endgroup
151 \expandafter\ifx\csname protected\endcsname\relax
152 \def\InfWarErr@protected{}%
153 \else
154 \let\InfWarErr@protected\protected
155 \fi

```

`\InfWarErr@unused`

```

156 \chardef\InfWarErr@unused=16 %

```

`\InfWarErr@ehc`

```

157 \def\InfWarErr@ehc{%
158 Try typing \space <return> \space to proceed.\MessageBreak
159 If that doesn't work, type \space X <return> \space to quit.%
160 }

```

`\InfWarErr@ehd`

```

161 \def\InfWarErr@ehd{%
162 You're in trouble here. \space\@ehc
163 }

```

`\InfWarErr@GenericInfo`

```

164 \InfWarErr@protected\def\InfWarErr@GenericInfo#1#2{%
165 \begingroup
166 \let\on@line\InfWarErr@online
167 \long\def\@gobble##1{%
168 \def\space{ }%
169 \def\@spaces{\space\space\space}%
170 \def\MessageBreak{^^J#1}%
171 \newlinechar=10 %
172 \immediate\write-1{#2\on@line.}%
173 \endgroup
174 }

```

`\InfWarErr@GenericWarning`

```

175 \InfWarErr@protected\def\InfWarErr@GenericWarning#1#2{%
176 \begingroup
177 \let\on@line\InfWarErr@online
178 \long\def\@gobble##1{%
179 \def\space{ }%
180 \def\@spaces{\space\space\space}%
181 \def\MessageBreak{^^J#1}%

```

```

182     \newlinechar=10 %
183     \immediate\write\InfWarErr@unused{^^J#2\on@line.^^J}%
184 \endgroup
185 }

\InfWarErr@GenericError Old TeX versions below 3.141 where ^^J is not working as newline in error message
and help texts are not supported.

186 \InfWarErr@protected\def\InfWarErr@GenericError#1#2#3#4{%
187   \begingroup
188     \immediate\write\InfWarErr@unused{%
189       \newlinechar=10 %
190       \def\space{ }%
191       \def\@spaces{\space\space\space\space}%
192       \let\@ehc\InfWarErr@ehc
193       \let\@ehd\InfWarErr@ehd
194       \let\on@line\InfWarErr@online
195       \def\MessageBreak{^^J}%
196       \edef\InfWarErr@help{\noexpand\errhelp{#4}}%
197       \InfWarErr@help
198       \def\MessageBreak{^^J#1}%
199       \errmessage{%
200         #2.^^J^^J%
201         #3^^J%
202         Type \space H <return> \space for immediate help.^^J ...^^J%
203       }%
204   \endgroup
205 }

\@PackageInfo

206 \def\@PackageInfo#1#2{%
207   \InfWarErr@GenericInfo{%
208     (#1) \@spaces\@spaces\@spaces
209   }{%
210     Package #1 Info: #2%
211   }%
212 }

\@PackageInfoNoLine

213 \def\@PackageInfoNoLine#1#2{%
214   \@PackageInfo{#1}{#2@gobble}%
215 }

\@ClassInfo

216 \def\@ClassInfo#1#2{%
217   \InfWarErr@GenericInfo{%
218     (#1) \space\space\@spaces\@spaces
219   }{%
220     Class #1 Info: #2%
221   }%
222 }

\@ClassInfoNoLine

223 \def\@ClassInfoNoLine#1#2{%
224   \@ClassInfo{#1}{#2@gobble}%
225 }

\@PackageWarning

226 \def\@PackageWarning#1#2{%
227   \InfWarErr@GenericWarning{%
228     (#1)\@spaces\@spaces\@spaces\@spaces
229   }{%

```

```

230     Package #1 Warning: #2%
231 }%
232 }

\@PackageWarningNoLine

233 \def\@PackageWarningNoLine#1#2{%
234   \@PackageWarning{#1}{#2\@gobble}%
235 }

\@ClassWarning

236 \def\@ClassWarning#1#2{%
237   \InfWarErr@GenericWarning{%
238     (#1) \space\@spaces\@spaces\@spaces
239   }{%
240     Class #1 Warning: #2%
241   }%
242 }

\@ClassWarningNoLine

243 \def\@ClassWarningNoLine#1#2{%
244   \@ClassWarning{#1}{#2\@gobble}%
245 }

\@PackageError

246 \def\@PackageError#1#2#3{%
247   \InfWarErr@GenericError{%
248     (#1)\@spaces\@spaces\@spaces\@spaces
249   }{%
250     Package #1 Error: #2%
251   }{%
252     See the #1 package documentation for explanation.%
253   }{#3}%
254 }

\@ClassError

255 \def\@ClassError#1#2#3{%
256   \InfWarErr@GenericError{%
257     (#1) \space\@spaces\@spaces\@spaces
258   }{%
259     Class #1 Error: #2%
260   }{%
261     See the #1 class documentation for explanation.%
262   }{#3}%
263 }

264 \InfWarErr@AtEnd
265 \</package>

```

3 Test

3.1 Catcode checks for loading

```

266 \test1\
267 \catcode'\{=1 %
268 \catcode'\}=2 %
269 \catcode'\#=6 %
270 \catcode'\@=11 %
271 \expandafter\ifx\csname count@\endcsname\relax
272   \countdef\count@=255 %
273 \fi

```

```

274 \expandafter\ifx\csname @gobble\endcsname\relax
275   \long\def\@gobble#1{}%
276 \fi
277 \expandafter\ifx\csname @firstofone\endcsname\relax
278   \long\def\@firstofone#1{#1}%
279 \fi
280 \expandafter\ifx\csname loop\endcsname\relax
281   \expandafter\@firstofone
282 \else
283   \expandafter\@gobble
284 \fi
285 {%
286   \def\loop#1\repeat{%
287     \def\body{#1}%
288     \iterate
289   }%
290   \def\iterate{%
291     \body
292     \let\next\iterate
293   \else
294     \let\next\relax
295   \fi
296   \next
297 }%
298 \let\repeat=\fi
299 }%
300 \def\RestoreCatcodes{}
301 \count@=0 %
302 \loop
303   \edef\RestoreCatcodes{%
304     \RestoreCatcodes
305     \catcode\the\count@=\the\catcode\count@\relax
306   }%
307 \ifnum\count@<255 %
308   \advance\count@ 1 %
309 \repeat
310
311 \def\RangeCatcodeInvalid#1#2{%
312   \count@=#1\relax
313   \loop
314     \catcode\count@=15 %
315     \ifnum\count@<#2\relax
316       \advance\count@ 1 %
317     \repeat
318 }
319 \expandafter\ifx\csname LoadCommand\endcsname\relax
320   \def\LoadCommand{\input infwarerr.sty\relax}%
321 \fi
322 \def\Test{%
323   \RangeCatcodeInvalid{0}{47}%
324   \RangeCatcodeInvalid{58}{64}%
325   \RangeCatcodeInvalid{91}{96}%
326   \RangeCatcodeInvalid{123}{255}%
327   \catcode'\@=12 %
328   \catcode'\|=0 %
329   \catcode'\{=1 %
330   \catcode'\}=2 %
331   \catcode'\#=6 %
332   \catcode'\[=12 %
333   \catcode'\]=12 %
334   \catcode'\%=14 %
335   \catcode'\ =10 %

```



```

336 \catcode13=5 %
337 \LoadCommand
338 \RestoreCatcodes
339 }
340 \Test
341 \csname @@end\endcsname
342 \end
343 \</test1>

```

3.2 Macro tests

```

344 (*test2)
345 \let\PackageInfo\relax
346 \input infwarerr.sty\relax
347 \let\OrgWrite\write
348 \chardef\WriteUnused=16 %
349 \def\msg#{\immediate\OrgWrite\WriteUnused}
350 \msg{File: infwarerr-test2.tex 2007/09/09 v1.2 Test file for plain-Tex}
351 \catcode64=11 %
352 \</test2>

353 (*test3)
354 \NeedsTeXFormat{LaTeX2e}
355 \ProvidesFile{infwarerr-test3.tex}[2007/09/09 v1.2 Test file for LaTeX]
356 \RequirePackage{infwarerr}[2007/09/09]
357 \makeatletter
358 \let\OrgWrite\write
359 \chardef\WriteUnused=\@unused
360 \def\msg#{\immediate\OrgWrite\WriteUnused}
361 \</test3>

362 (*test2 | test3)
363 \def\pkgname{PACKAGE}
364 \def\clsname{CLASS}
365 \def\msgtext{MESSAGE\MessageBreak SECOND LINE}
366 \def\hlptext{HELP\MessageBreak SECOND LINE}
367
368 \let\OrgWrite\write
369 \let\OrgErrMessage\errmessage
370
371 \def\write#1#{%
372   \@write{#1}%
373 }
374 \def\@write#1#2{%
375   \OrgWrite#1{#2}%
376   \xdef\WriteNum{\number#1}%
377   \xdef\WriteText{#2}%
378 }
379 \def\TestFailed#1#2{%
380   \OrgErrMessage{Test (\string#1) failed: #2}%
381 }
382 \def\TestWrite#1#2#3{%
383   \ifnum\WriteNum=#2\relax
384   \else
385     \TestFailed#1{write stream number: \WriteNum <> #2}%
386   \fi
387   \begingroup
388     \let~\space
389     \edef\TestString{#3}%
390     \ifx\WriteText\TestString
391     \else
392       \msg{}%
393       \msg{[\WriteText]}%
394       \msg{<>}%

```

```

395     \msg{[#3]}% hash-ok
396     \TestFailed#1{write text}%
397     \fi
398 \endgroup
399 }
400 \newtoks\ErrHelpToks
401 \def\errmessage#1{%
402   \global\ErrHelpToks=\expandafter{\the\errhelp}%
403   \msg{***** error message *****}%
404   \msg{! #1}%
405   \msg{***** help message *****}%
406   \msg{\the\errhelp}%
407   \msg{*****}%
408   \xdef\ErrorMessage{! #1}%
409 }
410 \def\TestInfo{%
411   \@PackageInfo\pkgname\msgtext
412   \TestWrite\@PackageInfo{-1}{%
413     Package PACKAGE Info: MESSAGE^^J%
414     (PACKAGE)~~~~~SECOND LINE on input line \the\inputlineno.%
415   }%
416   \@PackageInfoNoLine\pkgname\msgtext
417   \TestWrite\@PackageInfoNoLine{-1}{%
418     Package PACKAGE Info: MESSAGE^^J%
419     (PACKAGE)~~~~~SECOND LINE.%
420   }%
421   \@ClassInfo\clsname\msgtext
422   \TestWrite\@ClassInfo{-1}{%
423     Class CLASS Info: MESSAGE^^J%
424     (CLASS)~~~~~SECOND LINE on input line \the\inputlineno.%
425   }%
426   \@ClassInfoNoLine\clsname\msgtext
427   \TestWrite\@ClassInfoNoLine{-1}{%
428     Class CLASS Info: MESSAGE^^J%
429     (CLASS)~~~~~SECOND LINE.%
430   }%
431 }
432 \def\TestWarning{%
433   \@PackageWarning\pkgname\msgtext
434   \TestWrite\@PackageWarning\WriteUnused{%
435     ^^J%
436     Package PACKAGE Warning: MESSAGE^^J%
437     (PACKAGE)~~~~~SECOND LINE on input line \the\inputlineno.%
438     ^^J%
439   }%
440   \@PackageWarningNoLine\pkgname\msgtext
441   \TestWrite\@PackageWarningNoLine\WriteUnused{%
442     ^^J%
443     Package PACKAGE Warning: MESSAGE^^J%
444     (PACKAGE)~~~~~SECOND LINE.%
445     ^^J%
446   }%
447   \@ClassWarning\clsname\msgtext
448   \TestWrite\@ClassWarning\WriteUnused{%
449     ^^J%
450     Class CLASS Warning: MESSAGE^^J%
451     (CLASS)~~~~~SECOND LINE on input line \the\inputlineno.%
452     ^^J%
453   }%
454   \@ClassWarningNoLine\clsname\msgtext
455   \TestWrite\@ClassWarningNoLine\WriteUnused{%
456     ^^J%

```

```

457     Class CLASS Warning: MESSAGE^^J%
458     (CLASS)~~~~~SECOND LINE.%
459     ^^J%
460 }%
461 }
462 \def\TestError{%
463 (test3) \let\write\OrgWrite
464 (test3) \def\plaindots{}
465 (test2) \def\plaindots{.^^J ...^^J}
466 \@PackageError\pkgname\msgtext\hlptext
467 \@TestError\@PackageError{%
468     ! Package PACKAGE Error: MESSAGE^^J%
469     (PACKAGE)~~~~~SECOND LINE.^^J%
470     ^^J%
471     See the PACKAGE package documentation for explanation.^^J%
472     Type~~H <return>~~for immediate help\plaindots
473 }{%
474     HELP^^J%
475     SECOND LINE%
476 }%
477 \@ClassError\clsname\msgtext\hlptext
478 \@TestError\@ClassError{%
479     ! Class CLASS Error: MESSAGE^^J%
480     (CLASS)~~~~~SECOND LINE.^^J%
481     ^^J%
482     See the CLASS class documentation for explanation.^^J%
483     Type~~H <return>~~for immediate help\plaindots
484 }{%
485     HELP^^J%
486     SECOND LINE%
487 }%
488 \@PackageError\pkgname\msgtext\@ehc
489 \@TestError\@PackageError{%
490     ! Package PACKAGE Error: MESSAGE^^J%
491     (PACKAGE)~~~~~SECOND LINE.^^J%
492     ^^J%
493     See the PACKAGE package documentation for explanation.^^J%
494     Type~~H <return>~~for immediate help\plaindots
495 }{%
496     Try typing~~<return>~~to proceed.^^J%
497     If that doesn't work, type~~X <return>~~to quit.%
498 }%
499 \@PackageError\pkgname\msgtext\@ehd
500 \@TestError\@PackageError{%
501     ! Package PACKAGE Error: MESSAGE^^J%
502     (PACKAGE)~~~~~SECOND LINE.^^J%
503     ^^J%
504     See the PACKAGE package documentation for explanation.^^J%
505     Type~~H <return>~~for immediate help\plaindots
506 }{%
507     You're in trouble here.~~Try typing~~<return>~~to proceed.^^J%
508     If that doesn't work, type~~X <return>~~to quit.%
509 }%
510 }
511 \def\@TestError#1#2#3{%
512     \begingroup
513     \let~\space
514     \edef\x{#2}%
515 (test3) \@onelevel@sanitize\x
516 (test3) \@onelevel@sanitize\ErrMsgage
517     \ifx\x\ErrMsgage
518     \else

```

```

519     \msg{}%
520     \msg{[\ErrMessage]}%
521     \msg{<>}%
522     \msg{[\x]}%
523     \TestFailed#1{errmessage text}%
524 \fi
525 \edef\x{\the\ErrHelpToks}%
526 \edef\y{#3}%
527 \ifx\x\y
528 \else
529     \msg{}%
530     \msg{[\the\ErrHelpToks]}%
531     \msg{<>}%
532     \msg{[\y]}%
533     \TestFailed#1{errhelp text}%
534 \fi
535 \endgroup
536 }
537 \TestInfo
538 \TestWarning
539 \TestError
540 </test2 | test3>
541 <test2>\end
542 <test3>\@@end

```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/oberdiek/infwarerr.dtx](#) The source file.

[CTAN:macros/latex/contrib/oberdiek/infwarerr.pdf](#) Documentation.

Bundle. All the packages of the bundle ‘oberdiek’ are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

[CTAN:install/macros/latex/contrib/oberdiek.tds.zip](#)

TDS refers to the standard “A Directory Structure for T_EX Files” ([CTAN:tds/tds.pdf](#)). Directories with `texmf` in their name are usually organized this way.

4.2 Bundle installation

Unpacking. Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

Script installation. Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package `attachfile2` comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

¹<http://ftp.ctan.org/tex-archive/>

4.3 Package installation

Unpacking. The `.dtx` file is a self-extracting `docstrip` archive. The files are extracted by running the `.dtx` through plain- \TeX :

```
tex infwarerr.dtx
```

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
infwarerr.sty      → tex/generic/oberdiek/infwarerr.sty
infwarerr.pdf      → doc/latex/oberdiek/infwarerr.pdf
test/infwarerr-test1.tex → doc/latex/oberdiek/test/infwarerr-test1.tex
test/infwarerr-test2.tex → doc/latex/oberdiek/test/infwarerr-test2.tex
test/infwarerr-test3.tex → doc/latex/oberdiek/test/infwarerr-test3.tex
infwarerr.dtx      → source/latex/oberdiek/infwarerr.dtx
```

If you have a `docstrip.cfg` that configures and enables `docstrip`'s TDS installing feature, then some files can already be in the right place, see the documentation of `docstrip`.

4.4 Refresh file name databases

If your \TeX distribution (`te \TeX` , `mik \TeX` , ...) relies on file name databases, you must refresh these. For example, `te \TeX` users run `texhash` or `mktextlsr`.

4.5 Some details for the interested

Attached source. The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk infwarerr.pdf unpack_files output .
```

Unpacking with \LaTeX . The `.dtx` chooses its action depending on the format:

plain- \TeX : Run `docstrip` and extract the files.

\LaTeX : Generate the documentation.

If you insist on using \LaTeX for `docstrip` (really, `docstrip` does not need \LaTeX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{infwarerr.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with `pdf \LaTeX` :

```
pdflatex infwarerr.dtx
makeindex -s gind.ist infwarerr.idx
pdflatex infwarerr.dtx
makeindex -s gind.ist infwarerr.idx
pdflatex infwarerr.dtx
```

5 History

[2007/04/26 v1.0]

- First version.

[2007/06/14 v1.1]

- Small fixes.

[2007/09/09 v1.2]

- Catcode section extended.

6 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols	A
\# 269, 331	\advance 308, 316
\% 334	\aftergroup 26
\@ 270, 327	
\@@end 542	B
\@ClassError 132, 255, 477, 478	\body 287, 291
\@ClassInfo ... 123, 216, 224, 421, 422	
\@ClassInfoNoLine . 124, 223, 426, 427	C
\@ClassWarning 129, 236, 244, 447, 448	\catcode 3, 4, 5, 6, 7,
\@ClassWarningNoLine 130, 243, 454, 455	8, 9, 17, 31, 32, 33, 34, 35, 36,
\@PackageError 131,	37, 38, 39, 40, 41, 42, 43, 64,
246, 466, 467, 488, 489, 499, 500	65, 68, 69, 70, 71, 75, 76, 77,
\@PackageInfo . 119, 206, 214, 411, 412	78, 82, 84, 267, 268, 269, 270,
\@PackageInfoNoLine 120, 213, 416, 417	305, 314, 327, 328, 329, 330,
\@PackageWarning 127, 226, 234, 433, 434	331, 332, 333, 334, 335, 336, 351
\@PackageWarningNoLine 128, 233, 440, 441	\chardef 156, 348, 359
\@TestError ... 467, 478, 489, 500, 511	\check 100, 110, 111, 112
\@check 101,	\ClassError 132
102, 103, 105, 113, 114, 115, 116	\ClassInfo 123, 125
\@ehc 162, 192, 488	\ClassWarning 129
\@ehd 193, 499	\ClassWarningNoLine 130
\@firstofone 278, 281	\clsname .. 364, 421, 426, 447, 454, 477
\@gobble 121, 125, 167,	\count@ 272, 301,
178, 214, 224, 234, 244, 275, 283	305, 307, 308, 312, 314, 315, 316
\@onelevel@sanitize 515, 516	\countdef 272
\@spaces 169, 180,	\cscname 10, 18, 44, 60, 67, 106, 137,
191, 208, 218, 228, 238, 248, 257	151, 271, 274, 277, 280, 319, 341
\@undefined 52	
\@unused 359	E
\@write 372, 374	\empty 13, 14
\[..... 332	\end 342, 541
\\ 328	\endcsname 10, 18, 44, 60, 67, 106, 137,
\{ 267, 329	151, 271, 274, 277, 280, 319, 341
\} 268, 330	\endinput 26, 134
\] 333	\errhelp 196, 402, 406
	\ErrHelpToks 400, 402, 525, 530
	\ErrorMessage 408, 516, 517, 520
	\errmessage 199, 369, 401
	H
_ 335	\hlptext 366, 466, 477

I		\PackageInfo 23, 119, 121, 345	
\ifcase 137		\PackageWarning 127	
\ifnum 140, 307, 315, 383		\PackageWarningNoLine 128	
\ifx 11, 14, 18, 44,		\pkgname 363,	
52, 55, 106, 118, 137, 151, 271,		411, 416, 433, 440, 466, 488, 499	
274, 277, 280, 319, 390, 517, 527		\plaindots 464, 465, 472, 483, 494, 505	
\immediate 20, 46, 172, 183, 188, 349, 360		\protected 154	
\InfWarErr@AtEnd 80, 81, 133, 264		\ProvidesFile 355	
\InfWarErr@ehc 157, 192		\ProvidesPackage 15, 61	
\InfWarErr@ehd 161, 193			
\InfWarErr@GenericError 186, 247, 256		R	
\InfWarErr@GenericInfo 164, 207, 217		\RangeCatcodeInvalid	
\InfWarErr@GenericWarning 311, 323, 324, 325, 326	
. 175, 227, 237		\repeat 286, 298, 309, 317	
\InfWarErr@help 196, 197		\RequirePackage 356	
\InfWarErr@online . . 136, 166, 177, 194		\RestoreCatcodes . . 300, 303, 304, 338	
\InfWarErr@protected 150, 164, 175, 186			
\InfWarErr@unused 156, 183, 188		S	
\input 320, 346		\space 158, 159,	
\inputlineno 140, 148, 414, 424, 437, 451		162, 168, 169, 179, 180, 190,	
\iterate 288, 290, 292		191, 202, 218, 238, 257, 388, 513	
L		T	
\LoadCommand 320, 337		\Test 322, 340	
\loop 286, 302, 313		\TestError 462, 539	
M		\TestFailed . . . 379, 385, 396, 523, 533	
\makeatletter 357		\TestInfo 410, 537	
\MessageBreak		\TestString 389, 390	
. . . 158, 170, 181, 195, 198, 365, 366		\TestWarning 432, 538	
\msg 349, 350, 360, 392, 393, 394, 395,		\TestWrite 382, 412,	
520, 521, 522, 529, 530, 531, 532		\the 68, 69, 70, 71, 82, 148, 305, 402,	
\msgtext 365, 411, 416, 421, 426, 433,		406, 414, 424, 437, 451, 525, 530	
440, 447, 454, 466, 477, 488, 499		\TMP@EnsureCode 79, 86, 87,	
N		88, 89, 90, 91, 92, 93, 94, 95, 96, 97	
\NeedsTeXFormat 354		W	
\newlinechar 171, 182, 189		\write 20, 46, 172,	
\newtoks 400		183, 188, 347, 358, 368, 371, 463	
\next 292, 294, 296		\WriteNum 376, 383, 385	
\number 376		\WriteText 377, 390, 393	
O		\WriteUnused 348,	
\on@line 166, 172, 177, 183, 194		349, 359, 360, 434, 441, 448, 455	
\OrgErrMsg 369, 380		X	
\OrgWrite		\x 10, 11, 14, 19, 23,	
. . 347, 349, 358, 360, 368, 375, 463		25, 45, 50, 60, 66, 74, 99, 107,	
P		118, 514, 515, 517, 522, 525, 527	
\PackageError 131		Y	
Y		\y 526, 527, 532	