

# The infwarerr package

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## Abstract

This package provides a complete set of macros for informations, warnings and error messages with support for plain  $\text{\TeX}$ .

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## 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  $\text{\LaTeX}$ '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<sup>A</sup>T<sub>E</sub>X and plain T<sub>E</sub>X. If L<sup>A</sup>T<sub>E</sub>X is detected, then the macros of this package will only be wrappers for L<sup>A</sup>T<sub>E</sub>X's macros. Otherwise L<sup>A</sup>T<sub>E</sub>X's macros will be mimicked for use with plain T<sub>E</sub>X.

## 2 Implementation

1 (\*package)

### 2.1 Reload check and package identification

Reload check, especially if the package is not used with L<sup>A</sup>T<sub>E</sub>X.

```

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 [2010/04/08 v1.3 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<sup>A</sup>T<sub>E</sub>X 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<sup>A</sup>T<sub>E</sub>X

\@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 T<sub>E</sub>X

`\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\space}%
170 \def\MessageBreak{^^J#1}%
171 \newlinechar=10 %
172 \escapechar=92 %
173 \immediate\write-1{#2\on@line.}%
174 \endgroup
175 }
```

`\InfWarErr@GenericWarning`

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

```

182 \def\MessageBreak{^^J#1}%
183 \newlinechar=10 %
184 \escapechar=92 %
185 \immediate\write\InfWarErr@unused{^^J#2\on@line.^^J}%
186 \endgroup
187 }

```

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

```

188 \InfWarErr@protected\def\InfWarErr@GenericError#1#2#3#4{%
189 \begingroup
190 \immediate\write\InfWarErr@unused{}%
191 \def\space{ }%
192 \def\@spaces{\space\space\space\space}%
193 \let\@ehc\InfWarErr@ehc
194 \let\@ehd\InfWarErr@ehd
195 \let\on@line\InfWarErr@online
196 \def\MessageBreak{^^J}%
197 \newlinechar=10 %
198 \escapechar=92 %
199 \edef\InfWarErr@help{\noexpand\errhelp{#4}}%
200 \InfWarErr@help
201 \def\MessageBreak{^^J#1}%
202 \errmessage{%
203 #2.^^J^^J%
204 #3^^J%
205 Type \space H <return> \space for immediate help.^^J ...^^J%
206 }%
207 \endgroup
208 }

```

`\@PackageInfo`

```

209 \def\@PackageInfo#1#2{%
210 \InfWarErr@GenericInfo{%
211 (#1) \@spaces\@spaces\@spaces
212 }{%
213 Package #1 Info: #2%
214 }%
215 }

```

`\@PackageInfoNoLine`

```

216 \def\@PackageInfoNoLine#1#2{%
217 \@PackageInfo{#1}{#2@gobble}%
218 }

```

`\@ClassInfo`

```

219 \def\@ClassInfo#1#2{%
220 \InfWarErr@GenericInfo{%
221 (#1) \space\space\@spaces\@spaces
222 }{%
223 Class #1 Info: #2%
224 }%
225 }

```

`\@ClassInfoNoLine`

```

226 \def\@ClassInfoNoLine#1#2{%
227 \@ClassInfo{#1}{#2@gobble}%
228 }

```

`\@PackageWarning`

```

229 \def\@PackageWarning#1#2{%

```

```

230 \InfWarErr@GenericWarning{%
231   (#1)\@spaces\@spaces\@spaces\@spaces
232 }{%
233   Package #1 Warning: #2%
234 }%
235 }

\@PackageWarningNoLine

236 \def\@PackageWarningNoLine#1#2{%
237   \@PackageWarning{#1}{#2\@gobble}%
238 }

\@ClassWarning

239 \def\@ClassWarning#1#2{%
240   \InfWarErr@GenericWarning{%
241     (#1) \space\@spaces\@spaces\@spaces
242   }{%
243     Class #1 Warning: #2%
244   }%
245 }

\@ClassWarningNoLine

246 \def\@ClassWarningNoLine#1#2{%
247   \@ClassWarning{#1}{#2\@gobble}%
248 }

\@PackageError

249 \def\@PackageError#1#2#3{%
250   \InfWarErr@GenericError{%
251     (#1)\@spaces\@spaces\@spaces\@spaces
252   }{%
253     Package #1 Error: #2%
254   }{%
255     See the #1 package documentation for explanation.%
256   }{#3}%
257 }

\@ClassError

258 \def\@ClassError#1#2#3{%
259   \InfWarErr@GenericError{%
260     (#1) \space\@spaces\@spaces\@spaces
261   }{%
262     Class #1 Error: #2%
263   }{%
264     See the #1 class documentation for explanation.%
265   }{#3}%
266 }

267 \InfWarErr@AtEnd
268 </package>

```

## 3 Test

### 3.1 Catcode checks for loading

```

269 <*test1>

270 \catcode'\{=1 %
271 \catcode'\}=2 %
272 \catcode'\#=6 %
273 \catcode'\@=11 %

```

```

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

```



```

336 \catcode'\]=12 %
337 \catcode'\%=14 %
338 \catcode'\ =10 %
339 \catcode13=5 %
340 \LoadCommand
341 \RestoreCatcodes
342 }
343 \Test
344 \csname @@end\endcsname
345 \end
346 </test1>

```

## 3.2 Macro tests

```

347 <*test2>
348 \let\PackageInfo\relax
349 \input infwarerr.sty\relax
350 \let\OrgWrite\write
351 \chardef\WriteUnused=16 %
352 \def\msg#\{\immediate\OrgWrite\WriteUnused}
353 \msg{File: infwarerr-test2.tex 2010/04/08 v1.3 Test file for plain-Tex}
354 \catcode64=11 %
355 </test2>

356 <*test3>
357 \NeedsTeXFormat{LaTeX2e}
358 \ProvidesFile{infwarerr-test3.tex}[2010/04/08 v1.3 Test file for LaTeX]
359 \RequirePackage{infwarerr}[2010/04/08]
360 \makeatletter
361 \let\OrgWrite\write
362 \chardef\WriteUnused=\@unused
363 \def\msg#\{\immediate\OrgWrite\WriteUnused}
364 </test3>

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

```

```

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

```

```

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

```

```

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

```

## 4 Installation

### 4.1 Download

**Package.** This package is available on CTAN<sup>1</sup>:

[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<sub>E</sub>X 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/

```

---

<sup>1</sup>[ftp://ftp.ctan.org/tex-archive/](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`, mi`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 L<sup>A</sup>T<sub>E</sub>X.** The `.dtx` chooses its action depending on the format:

**plain T<sub>E</sub>X:** Run `docstrip` and extract the files.

**L<sup>A</sup>T<sub>E</sub>X:** Generate the documentation.

If you insist on using L<sup>A</sup>T<sub>E</sub>X for `docstrip` (really, `docstrip` does not need L<sup>A</sup>T<sub>E</sub>X), 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 pdfL<sup>A</sup>T<sub>E</sub>X:

```
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.

[2010/04/08 v1.3]

- Ensure `\escapechar=92` (backslash) for infos/warnings/errors.

## 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.

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