

# 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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\*Please report any issues at <https://github.com/ho-tex/oberdiek/issues>

# 1 Documentation

Package `infwarr` 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<sup>A</sup>T<sub>E</sub>X'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\catcode61\catcode48\catcode32=10\relax%
3 \catcode13=5 % ^^M
4 \endlinechar=13 %
5 \catcode35=6 % #
6 \catcode39=12 % '
7 \catcode44=12 % ,
8 \catcode45=12 % -
9 \catcode46=12 % .
10 \catcode58=12 % :
11 \catcode64=11 % @
12 \catcode123=1 % {
13 \catcode125=2 % }
14 \expandafter\let\expandafter\x\csname ver@infwarr.sty\endcsname
15 \ifx\x\relax % plain-TeX, first loading
16 \else
17 \def\empty{}%
18 \ifx\x\empty % LaTeX, first loading,
19 % variable is initialized, but \ProvidesPackage not yet seen
20 \else
21 \expandafter\ifx\csname PackageInfo\endcsname\relax
22 \def\x#1#2{%
23 \immediate\write-1{Package #1 Info: #2.}%
24 }%
25 \else
26 \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
27 \fi
```

```

28     \x{infwarerr}{The package is already loaded}%
29     \aftergroup\endinput
30   \fi
31 \fi
32 \endgroup%
Package identification:
33 \begingroup\catcode61\catcode48\catcode32=10\relax%
34   \catcode13=5 % ^~M
35   \endlinechar=13 %
36   \catcode35=6 % #
37   \catcode39=12 % '
38   \catcode40=12 % (
39   \catcode41=12 % )
40   \catcode44=12 % ,
41   \catcode45=12 % -
42   \catcode46=12 % .
43   \catcode47=12 % /
44   \catcode58=12 % :
45   \catcode64=11 % @
46   \catcode91=12 % [
47   \catcode93=12 % ]
48   \catcode123=1 % {
49   \catcode125=2 % }
50   \expandafter\ifx\csname ProvidesPackage\endcsname\relax
51     \def\x#1#2#3[#4]{\endgroup
52       \immediate\write-1{Package: #3 #4}%
53       \xdef#1[#4]%
54     }%
55   \else
56     \def\x#1#2[#3]{\endgroup
57       #2[#3]%
58       \ifx#1\undefined
59         \xdef#1[#3]%
60       \fi
61       \ifx#1\relax
62         \xdef#1[#3]%
63       \fi
64     }%
65   \fi
66 \expandafter\x\csname ver@infwarerr.sty\endcsname
67 \ProvidesPackage{infwarerr}%
68 [2016/05/16 v1.4 Providing info/warning/error messages (H0)]%

```

## 2.2 Catcodes

```

69 \begingroup\catcode61\catcode48\catcode32=10\relax%
70   \catcode13=5 % ^~M
71   \endlinechar=13 %
72   \catcode123=1 % {
73   \catcode125=2 % }
74   \catcode64=11 % @
75   \def\x{\endgroup
76     \expandafter\edef\csname InfWarErr@AtEnd\endcsname{%
77       \endlinechar=\the\endlinechar\relax
78       \catcode13=\the\catcode13\relax
79       \catcode32=\the\catcode32\relax
80       \catcode35=\the\catcode35\relax
81       \catcode61=\the\catcode61\relax

```

```

82     \catcode64=\the\catcode64\relax
83     \catcode123=\the\catcode123\relax
84     \catcode125=\the\catcode125\relax
85   }%
86 }%
87 \x\catcode61\catcode48\catcode32=10\relax%
88 \catcode13=5 % ^M
89 \endlinechar=13 %
90 \catcode35=6 % #
91 \catcode64=11 % @
92 \catcode123=1 % {
93 \catcode125=2 % }
94 \def\TMP@EnsureCode#1#2{%
95   \edef\InfWarErr@AtEnd{%
96     \InfWarErr@AtEnd
97     \catcode#1=\the\catcode#1\relax
98   }%
99   \catcode#1=#2\relax
100 }
101 \TMP@EnsureCode{10}{12}% ^^J
102 \TMP@EnsureCode{39}{12}% '
103 \TMP@EnsureCode{40}{12}% (
104 \TMP@EnsureCode{41}{12}% )
105 \TMP@EnsureCode{44}{12}% ,
106 \TMP@EnsureCode{45}{12}% -
107 \TMP@EnsureCode{46}{12}% .
108 \TMP@EnsureCode{58}{12}% :
109 \TMP@EnsureCode{60}{12}% <
110 \TMP@EnsureCode{62}{12}% >
111 \TMP@EnsureCode{94}{7}% ^
112 \edef\InfWarErr@AtEnd{\InfWarErr@AtEnd\noexpand\endinput}

```

## 2.3 L<sup>A</sup>T<sub>E</sub>X detection

```

113 \begingroup
114   \let\x=Y%
115   \def\check#1{%
116     \@check{Generic}{#1}%
117     \@check{Package}{#1}%
118     \@check{Class}{#1}%
119   }%
120   \def\@check#1#2{%
121     \expandafter\ifx\csname #1#2\endcsname\relax
122     \let\x=N%
123     \fi
124   }%
125   \check{Info}%
126   \check{Warning}%
127   \check{Error}%
128   \@check{Package}{WarningNoLine}%
129   \@check{Class}{WarningNoLine}%
130   \@check{}{@ehc}%
131   \@check{}{@ehd}%
132 \expandafter\endgroup
133 \ifx\x Y%

```

## 2.4 Version for L<sup>A</sup>T<sub>E</sub>X

\@PackageInfo

```

134   \let\@PackageInfo\PackageInfo

```

```

\@PackageInfoNoLine
135 \def\@PackageInfoNoLine#1#2{%
136 \PackageInfo{#1}{#2\@gobble}%
137 }%

\@ClassInfo
138 \let\@ClassInfo\ClassInfo

\@ClassInfoNoLine
139 \def\@ClassInfoNoLine#1#2{%
140 \ClassInfo{#1}{#2\@gobble}%
141 }%

\@PackageWarning
142 \let\@PackageWarning\PackageWarning

\@PackageWarningNoLine
143 \let\@PackageWarningNoLine\PackageWarningNoLine

\@ClassWarning
144 \let\@ClassWarning\ClassWarning

\@ClassWarningNoLine
145 \let\@ClassWarningNoLine\ClassWarningNoLine

\@PackageError
146 \let\@PackageError\PackageError

\@ClassError
147 \let\@ClassError\ClassError
148 \expandafter\InfWarErr@AtEnd
149 \fi%

```

## 2.5 Version for plain T<sub>E</sub>X

```

\InfWarErr@online
150 \begingroup\expandafter\endgroup
151 \ifcase\expandafter\ifx\csname inputlineno\endcsname\relax
152 0 %
153 \else
154 \ifnum\inputlineno<0 %
155 0 %
156 \else
157 1 %
158 \fi
159 \fi
160 \def\InfWarErr@online{}%
161 \else
162 \def\InfWarErr@online{ on input line \the\inputlineno}%
163 \fi

\InfWarErr@protected
164 \begingroup\expandafter\expandafter\expandafter\endgroup
165 \expandafter\ifx\csname protected\endcsname\relax
166 \def\InfWarErr@protected{}%
167 \else
168 \let\InfWarErr@protected\protected
169 \fi

```

```

\InfWarErr@unused
170 \chardef\InfWarErr@unused=16 %

\InfWarErr@ehc
171 \def\InfWarErr@ehc{%
172   Try typing \space <return> \space to proceed.\MessageBreak
173   If that doesn't work, type \space X <return> \space to quit.%
174 }

\InfWarErr@ehd
175 \def\InfWarErr@ehd{%
176   You're in trouble here. \space\@ehc
177 }

\InfWarErr@GenericInfo
178 \InfWarErr@protected\def\InfWarErr@GenericInfo#1#2{%
179   \begingroup
180     \let\on@line\InfWarErr@online
181     \long\def\@gobble##1{%
182       \def\space{ }%
183       \def\@spaces{\space\space\space\space}%
184       \def\MessageBreak{^^J#1}%
185       \newlinechar=10 %
186       \escapechar=92 %
187       \immediate\write-1{#2\on@line.}%
188     \endgroup
189 }

\InfWarErr@GenericWarning
190 \InfWarErr@protected\def\InfWarErr@GenericWarning#1#2{%
191   \begingroup
192     \let\on@line\InfWarErr@online
193     \long\def\@gobble##1{%
194       \def\space{ }%
195       \def\@spaces{\space\space\space\space}%
196       \def\MessageBreak{^^J#1}%
197       \newlinechar=10 %
198       \escapechar=92 %
199       \immediate\write\InfWarErr@unused{^^J#2\on@line.^^J}%
200     \endgroup
201 }

\InfWarErr@GenericError Old TeX versions below 3.141 where ^^J is not working as newline in error message
and help texts are not supported.
202 \InfWarErr@protected\def\InfWarErr@GenericError#1#2#3#4{%
203   \begingroup
204     \immediate\write\InfWarErr@unused{%
205       \def\space{ }%
206       \def\@spaces{\space\space\space\space}%
207       \let\@ehc\InfWarErr@ehc
208       \let\@ehd\InfWarErr@ehd
209       \let\on@line\InfWarErr@online
210       \def\MessageBreak{^^J}%
211       \newlinechar=10 %
212       \escapechar=92 %
213       \edef\InfWarErr@help{\noexpand\errhelp{#4}}%
214     \InfWarErr@help

```

```

215 \def\MessageBreak{^^J#1}%
216 \errmessage{%
217 #2.^^J^^J%
218 #3^^J%
219 Type \space H <return> \space for immediate help.^^J ...^^J%
220 }%
221 \endgroup
222 }

```

\@PackageInfo

```

223 \def\@PackageInfo#1#2{%
224 \InfWarErr@GenericInfo{%
225 (#1) \@spaces\@spaces\@spaces
226 }{%
227 Package #1 Info: #2%
228 }%
229 }

```

\@PackageInfoNoLine

```

230 \def\@PackageInfoNoLine#1#2{%
231 \@PackageInfo{#1}{#2\@gobble}%
232 }

```

\@ClassInfo

```

233 \def\@ClassInfo#1#2{%
234 \InfWarErr@GenericInfo{%
235 (#1) \space\space\@spaces\@spaces
236 }{%
237 Class #1 Info: #2%
238 }%
239 }

```

\@ClassInfoNoLine

```

240 \def\@ClassInfoNoLine#1#2{%
241 \@ClassInfo{#1}{#2\@gobble}%
242 }

```

\@PackageWarning

```

243 \def\@PackageWarning#1#2{%
244 \InfWarErr@GenericWarning{%
245 (#1)\@spaces\@spaces\@spaces\@spaces
246 }{%
247 Package #1 Warning: #2%
248 }%
249 }

```

\@PackageWarningNoLine

```

250 \def\@PackageWarningNoLine#1#2{%
251 \@PackageWarning{#1}{#2\@gobble}%
252 }

```

\@ClassWarning

```

253 \def\@ClassWarning#1#2{%
254 \InfWarErr@GenericWarning{%
255 (#1) \space\@spaces\@spaces\@spaces
256 }{%
257 Class #1 Warning: #2%
258 }%
259 }

```

\@ClassWarningNoLine

```
260 \def\@ClassWarningNoLine#1#2{%
261   \@ClassWarning{#1}{#2\@gobble}%
262 }
```

\@PackageError

```
263 \def\@PackageError#1#2#3{%
264   \InfWarErr@GenericError{%
265     (#1)\@spaces\@spaces\@spaces\@spaces
266   }{%
267     Package #1 Error: #2%
268   }{%
269     See the #1 package documentation for explanation.%
270   }{#3}%
271 }
```

\@ClassError

```
272 \def\@ClassError#1#2#3{%
273   \InfWarErr@GenericError{%
274     (#1) \space\@spaces\@spaces\@spaces
275   }{%
276     Class #1 Error: #2%
277   }{%
278     See the #1 class documentation for explanation.%
279   }{#3}%
280 }

281 \InfWarErr@AtEnd%
282 \</package>
```

## 3 Test

### 3.1 Catcode checks for loading

```
283 (*test1)

284 \catcode'\{=1 %
285 \catcode'\}=2 %
286 \catcode'\#=6 %
287 \catcode'\@=11 %
288 \expandafter\ifx\csname count@\endcsname\relax
289   \countdef\count@=255 %
290 \fi
291 \expandafter\ifx\csname @gobble\endcsname\relax
292   \long\def\@gobble#1{%
293 \fi
294 \expandafter\ifx\csname @firstofone\endcsname\relax
295   \long\def\@firstofone#1{#1}%
296 \fi
297 \expandafter\ifx\csname loop\endcsname\relax
298   \expandafter\@firstofone
299 \else
300   \expandafter\@gobble
301 \fi
302 {%
303   \def\loop#1\repeat{%
304     \def\body{#1}%
305     \iterate
```

```

306 }%
307 \def\iterate{%
308   \body
309   \let\next\iterate
310   \else
311   \let\next\relax
312   \fi
313   \next
314 }%
315 \let\repeat=\fi
316 }%
317 \def\RestoreCatcodes{}
318 \count@=0 %
319 \loop
320   \edef\RestoreCatcodes{%
321     \RestoreCatcodes
322     \catcode\the\count@=\the\catcode\count@\relax
323   }%
324 \ifnum\count@<255 %
325   \advance\count@ 1 %
326 \repeat
327
328 \def\RangeCatcodeInvalid#1#2{%
329   \count@=#1\relax
330   \loop
331     \catcode\count@=15 %
332     \ifnum\count@<#2\relax
333       \advance\count@ 1 %
334     \repeat
335 }
336 \def\RangeCatcodeCheck#1#2#3{%
337   \count@=#1\relax
338   \loop
339     \ifnum#3=\catcode\count@
340     \else
341       \errmessage{%
342         Character \the\count@\space
343         with wrong catcode \the\catcode\count@\space
344         instead of \number#3%
345       }%
346     \fi
347     \ifnum\count@<#2\relax
348       \advance\count@ 1 %
349     \repeat
350 }
351 \def\space{ }
352 \expandafter\ifx\csname LoadCommand\endcsname\relax
353   \def\LoadCommand{\input infwarerr.sty\relax}%
354 \fi
355 \def\Test{%
356   \RangeCatcodeInvalid{0}{47}%
357   \RangeCatcodeInvalid{58}{64}%
358   \RangeCatcodeInvalid{91}{96}%
359   \RangeCatcodeInvalid{123}{255}%
360   \catcode'\@=12 %
361   \catcode'\=0 %
362   \catcode'\%=14 %
363   \LoadCommand

```

```

364 \RangeCatcodeCheck{0}{36}{15}%
365 \RangeCatcodeCheck{37}{37}{14}%
366 \RangeCatcodeCheck{38}{47}{15}%
367 \RangeCatcodeCheck{48}{57}{12}%
368 \RangeCatcodeCheck{58}{63}{15}%
369 \RangeCatcodeCheck{64}{64}{12}%
370 \RangeCatcodeCheck{65}{90}{11}%
371 \RangeCatcodeCheck{91}{91}{15}%
372 \RangeCatcodeCheck{92}{92}{0}%
373 \RangeCatcodeCheck{93}{96}{15}%
374 \RangeCatcodeCheck{97}{122}{11}%
375 \RangeCatcodeCheck{123}{255}{15}%
376 \RestoreCatcodes
377 }
378 \Test
379 \csname @@end\endcsname
380 \end
381 </test1>

```

### 3.2 Macro tests

```

382 <*test2>
383 \let\PackageInfo\relax
384 \input infwarerr.sty\relax
385 \let\OrgWrite\write
386 \chardef\WriteUnused=16 %
387 \def\msg#\immediate\OrgWrite\WriteUnused}
388 \msg{File: infwarerr-test2.tex 2016/05/16 v1.4 Test file for plain-TeX}
389 \catcode64=11 %
390 </test2>

391 <*test3>
392 \NeedsTeXFormat{LaTeX2e}
393 \ProvidesFile{infwarerr-test3.tex}[2016/05/16 v1.4 Test file for LaTeX]
394 \RequirePackage{infwarerr}[2016/05/16]
395 \makeatletter
396 \let\OrgWrite\write
397 \chardef\WriteUnused=\@unused
398 \def\msg#\immediate\OrgWrite\WriteUnused}
399 </test3>

400 <*test2 | test3>
401 \def\pkgname{PACKAGE}
402 \def\clsname{CLASS}
403 \def\msgtext{MESSAGE\MessageBreak SECOND LINE}
404 \def\hlpptext{HELP\MessageBreak SECOND LINE}
405
406 \let\OrgWrite\write
407 \let\OrgErrorMessage\errmessage
408
409 \def\write#1#{%
410 \@write{#1}%
411 }
412 \def\@write#1#2{%
413 \OrgWrite#1{#2}%
414 \xdef\WriteNum{\number#1}%
415 \xdef\WriteText{#2}%
416 }
417 \def\TestFailed#1#2{%
418 \OrgErrorMessage{Test (\string#1) failed: #2}%

```

```

419 }
420 \def\TestWrite#1#2#3{%
421   \ifnum\WriteNum=#2\relax
422   \else
423     \TestFailed#1{write stream number: \WriteNum <> #2}%
424   \fi
425   \begingroup
426     \let~\space
427     \edef\TestString{#3}%
428     \ifx\WriteText\TestString
429     \else
430       \msg{ }%
431       \msg{[\WriteText]}%
432       \msg{<>}%
433       \msg{[#3]}% hash-ok
434     \TestFailed#1{write text}%
435   \fi
436 \endgroup
437 }
438 \newtoks\ErrHelpToks
439 \def\errmessage#1{%
440   \global\ErrHelpToks=\expandafter{\the\errhelp}%
441   \msg{***** error message *****}%
442   \msg{! #1}%
443   \msg{***** help message *****}%
444   \msg{\the\errhelp}%
445   \msg{*****}%
446   \xdef\ErrorMessage{! #1}%
447 }
448 \def\TestInfo{%
449   \@PackageInfo\pkgname\msgtext
450   \TestWrite\@PackageInfo{-1}{%
451     Package PACKAGE Info: MESSAGE^^J%
452     (PACKAGE)~~~~~SECOND LINE on input line \the\inputlineno.%
453   }%
454   \@PackageInfoNoLine\pkgname\msgtext
455   \TestWrite\@PackageInfoNoLine{-1}{%
456     Package PACKAGE Info: MESSAGE^^J%
457     (PACKAGE)~~~~~SECOND LINE.%
458   }%
459   \@ClassInfo\clsname\msgtext
460   \TestWrite\@ClassInfo{-1}{%
461     Class CLASS Info: MESSAGE^^J%
462     (CLASS)~~~~~SECOND LINE on input line \the\inputlineno.%
463   }%
464   \@ClassInfoNoLine\clsname\msgtext
465   \TestWrite\@ClassInfoNoLine{-1}{%
466     Class CLASS Info: MESSAGE^^J%
467     (CLASS)~~~~~SECOND LINE.%
468   }%
469 }
470 \def\TestWarning{%
471   \@PackageWarning\pkgname\msgtext
472   \TestWrite\@PackageWarning\WriteUnused{%
473     ^^J%
474     Package PACKAGE Warning: MESSAGE^^J%
475     (PACKAGE)~~~~~SECOND LINE on input line \the\inputlineno.%
476     ^^J%

```

```

477 }%
478 \@PackageWarningNoLine\pkgname\msgtext
479 \TestWrite\@PackageWarningNoLine\WriteUnused{%
480   ^^J%
481   Package PACKAGE Warning: MESSAGE^^J%
482   (PACKAGE)~~~~~SECOND LINE.%
483   ^^J%
484 }%
485 \@ClassWarning\clsname\msgtext
486 \TestWrite\@ClassWarning\WriteUnused{%
487   ^^J%
488   Class CLASS Warning: MESSAGE^^J%
489   (CLASS)~~~~~SECOND LINE on input line \the\inputlineno.%
490   ^^J%
491 }%
492 \@ClassWarningNoLine\clsname\msgtext
493 \TestWrite\@ClassWarningNoLine\WriteUnused{%
494   ^^J%
495   Class CLASS Warning: MESSAGE^^J%
496   (CLASS)~~~~~SECOND LINE.%
497   ^^J%
498 }%
499 }
500 \def\TestError{%
501 (test3) \let\write\OrgWrite
502 (test3) \def\plaindots{}
503 (test2) \def\plaindots{.^^J ...^^J}
504 \@PackageError\pkgname\msgtext\hlptext
505 \@TestError\@PackageError{%
506   ! Package PACKAGE Error: MESSAGE^^J%
507   (PACKAGE)~~~~~SECOND LINE.^^J%
508   ^^J%
509   See the PACKAGE package documentation for explanation.^^J%
510   Type~~H <return>~~for immediate help\plaindots
511 }{%
512   HELP^^J%
513   SECOND LINE%
514 }%
515 \@ClassError\clsname\msgtext\hlptext
516 \@TestError\@ClassError{%
517   ! Class CLASS Error: MESSAGE^^J%
518   (CLASS)~~~~~SECOND LINE.^^J%
519   ^^J%
520   See the CLASS class documentation for explanation.^^J%
521   Type~~H <return>~~for immediate help\plaindots
522 }{%
523   HELP^^J%
524   SECOND LINE%
525 }%
526 \@PackageError\pkgname\msgtext\@ehc
527 \@TestError\@PackageError{%
528   ! Package PACKAGE Error: MESSAGE^^J%
529   (PACKAGE)~~~~~SECOND LINE.^^J%
530   ^^J%
531   See the PACKAGE package documentation for explanation.^^J%
532   Type~~H <return>~~for immediate help\plaindots
533 }{%
534   Try typing~~<return>~~to proceed.^^J%

```

```

535   If that doesn't work, type~X <return>~to quit.%
536 }%
537 \@PackageError\pkgname\msgtext\@ehd
538 \@TestError\@PackageError{%
539   ! Package PACKAGE Error: MESSAGE^^J%
540   (PACKAGE)~~~~~SECOND LINE.^^J%
541   ^^J%
542   See the PACKAGE package documentation for explanation.^^J%
543   Type~H <return>~for immediate help\plaindots
544 }{%
545   You're in trouble here.~Try typing~<return>~to proceed.^^J%
546   If that doesn't work, type~X <return>~to quit.%
547 }%
548 }
549 \def\@TestError#1#2#3{%
550   \begingroup
551     \let~\space
552     \edef\x{#2}%
553 (test3) \@onelevel@sanitize\x
554 (test3) \@onelevel@sanitize\ErrorMessage
555     \ifx\x\ErrorMessage
556     \else
557       \msg{}%
558       \msg{[\ErrorMessage]}%
559       \msg{<>}%
560       \msg{[\x]}%
561       \TestFailed#1{errmessage text}%
562     \fi
563     \edef\x{\the\ErrHelpToks}%
564     \edef\y{#3}%
565     \ifx\x\y
566     \else
567       \msg{}%
568       \msg{[\the\ErrHelpToks]}%
569       \msg{<>}%
570       \msg{[\y]}%
571       \TestFailed#1{errhelp text}%
572     \fi
573   \endgroup
574 }
575 \TestInfo
576 \TestWarning
577 \TestError
578 </test2 | test3>
579 (test2)\end
580 (test3)\@end

```

## 4 Installation

### 4.1 Download

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

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

[CTAN:macros/latex/contrib/oberdiek/infwarerr.pdf](http://ctan.org/macros/latex/contrib/oberdiek/infwarerr.pdf) Documentation.

<sup>1</sup><http://ctan.org/pkg/infwarerr>

**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  $\TeX$  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/
```

## 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 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 Catalogue

The following XML file can be used as source for the [T<sub>E</sub>X Catalogue](#). The elements `caption` and `description` are imported from the original XML file from the Catalogue. The name of the XML file in the Catalogue is `infwarerr.xml`.

```
581 (*catalogue)
582 <?xml version='1.0' encoding='us-ascii'?>
583 <!DOCTYPE entry SYSTEM 'catalogue.dtd'>
584 <entry datestamp='$Date$' modifier='$Author$' id='infwarerr'>
585   <name>infwarerr</name>
586   <caption>Complete set of information/warning/error messages.</caption>
587   <authorref id='auth:oberdiek' />
588   <copyright owner='Heiko Oberdiek' year='2007,2010' />
589   <license type='lpl1.3' />
590   <version number='1.4' />
591   <description>
592     This package provides a complete set of macros for information,
593     warning and error messages. Under LaTeX, the commands are
594     wrappers for the corresponding LaTeX commands; under Plain TeX
595     they are also available as complete implementations.
596   <p/>
597   The package is part of the <xref refid='oberdiek'>oberdiek</xref>
598   bundle.
599 </description>
600 <documentation details='Package documentation'
601   href='ctan:/macros/latex/contrib/oberdiek/infwarerr.pdf' />
602 <ctan file='true' path='/macros/latex/contrib/oberdiek/infwarerr.dtx' />
603 <miktex location='oberdiek' />
604 <texlive location='oberdiek' />
605 <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip' />
606 </entry>
607 </catalogue>
```

## 6 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.

[2016/05/16 v1.4]

- Documentation updates.

## 7 Index

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