

The infwarerr package

Heiko Oberdiek*

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Abstract

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

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1 Documentation

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

$\backslash @(\text{Package}|\text{Class})(\text{Info}|\text{InfoNoLine}|\text{Warning}|\text{WarningNoLine}|\text{Error})$

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

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\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@infwarerr.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^AT_EX detection

```

113 \begin{group}
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^AT_EX

\@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_EX

```

\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 \endpackage

```

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 <*test2j test3>
401 \def\pkgname{PACKAGE}
402 \def\clsname{CLASS}
403 \def\msgtext{MESSAGE\MessageBreak SECOND LINE}
404 \def\hlptext{HELP\MessageBreak SECOND LINE}
405
406 \let\OrgWrite\write
407 \let\OrgErrMessage\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   \OrgErrMessage{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\ErrMessage
555     \ifx\x\ErrMessage
556       \else
557         \msg{}%
558         \msg{[\ErrMessage]}%
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 </test2j test3>
579 <test2>\end
580 <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.

¹[CTAN: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 T_EX Files” (**CTAN:**[pkg/tds](#)). 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
```

4.3 Package installation

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

```
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 T_EX distribution (T_EX Live, mikT_EX, ...) relies on file name databases, you must refresh these. For example, T_EX Live users run `texhash` or `mktexlsr`.

4.5 Some details for the interested

Unpacking with L^AT_EX. The `.dtx` chooses its action depending on the format:

plain T_EX: Run `docstrip` and extract the files.

L^AT_EX: Generate the documentation.

If you insist on using L^AT_EX for `docstrip` (really, `docstrip` does not need L^AT_EX), 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^AT_EX:

```
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.

[2016/05/16 v1.4]

- Documentation updates.

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