

1 Introduction

Since a \LaTeX package issues various messages, mostly in English (but, unfortunately, often in an English-like language), it is usefull to provide a feature to localize any \LaTeX 2

```

19 %%%%%%%%%%
20 %%
21 %%      checksum      = "32817 1583 6882 65979"
22 %%
23 %%%%%%%%%%
24 \fi
25 \def\fileversion{V0.50}\def\filedate{2006/11/09}%
26 \ifx\issuemsg\undefined\else\expandafter\endinput\fi%
27 \ifnum\catcode'\@=11\else\expandafter\catcode'\@=11\fi%
28 \ifx\kbencoding\undefined% If we don't have any keyboard reencoding
29   \ifx\Ldfinit\@undefined% we need at least inputenc package.
30     \RequirePackage{inputenc}% Usually, load that package.
31   \else% But with Babel, dont use \usepackage or such,
32     \let\@msg@tempa\@currname% Save current package name.
33     \xdef\@currname{inputenc}% set package req.
34     \@input inputenc.sty% and input it now.
35     \makeatletter%
36     \let\@et\@e.9x current setoriginalurrent package name. 31

```


Get a message for typesetting

Sometimes we only want to get the message and typeset it. The syntax is the same as `\i ssuemsg` except there is no first optional argument for providing the macro name to issue the message since it is not issued at all.



```

136 \let\UTFviii@two@octets\string% If utf8 was loaded then
137 \let\UTFviii@three@octets\string% nullify it until
138 \let\UTFviii@four@octets\string% necessary.
139 \def\msgheader{\protect\msgheader}%
140 \def\msgtrailer{\protect\msgtrailer}%
141 \def\msgencoding{\protect\msgencoding}%
142 \def\space{\noexpand\space}%
143 \def\help{\protect\help}%
144 \protected@edef\@msg@tempf{\@msg@tempf\@msgline}%
145 \let\UTFviii@two@octets\UTFviii@two@octetsOLD%
146 \let\UTFviii@three@octets\UTFviii@three@octetsOLD%
147 \let\UTFviii@four@octets\UTFviii@four@octetsOLD%
148 \let\space\spaceOLD%
149 \let\msgheader\msgheaderOLD%
150 \let\msgtrailer\msgtrailerOLD%
151 \let\msgencoding\msgencodingOLD%
152 \let\spaceOLD\undefined%
153 \let\msgheaderOLD\undefined%
154 \let\msgtrailerOLD\undefined%
155 \let\msgencodingOLD\undefined%
156 \fi%
157 }%

```

NOTICE: all messages read until the requested one (included) are expanded

181
182
183

\closein\@inputmsg\@msg@tempf%
\catcode'\#=6%

```
216 \fi%
217 \edef\msg@inputlineno{the\inputlineno}%
218 \makeatletter%
219 \let\msg@gobble@space\relax% Case \msgheader in 1st line.
220 \let\reserved@a\gobble% Avoid runaway.
221 \bgroup\@@input\msg@filename\relax\egroup%
222 \let\msg@cmd\relax%
223 \csname msg@MPI\endcsname% req. when ltxdoc
224 \ifx\themsg\empty% Unusual end of file reached.
225
```

In case the message file is empty or do not contain neither the message "id"
nor any `\msg{*}` macro then we will obtain:

```

248 \msg{4}{This is to test the #1 feature}{}
249 \msg{5}{''msg'' package line number }{\msgpart{i issues %
250     \#\msgid\ #1 message}}
251 \msg{6}{msg package: UNUSUAL end of file reached when %
252     \MessageBreak %
253     loading \msg@filename\space file!}}{}
254 \msg{7}{\string\msg\space syntax error}{\help{last % special test case
255     argument is missing.}}
256 \msgheader{MESSAGE\space\msgid:\space'}\msgtrailer{' '}
257 \msg{8}{here is a customized message}{}%
258 \msg{9}{here is a customized message %
259     \MessageBreak which continuation is aligned}{}
260 \msgheader{Message\space\msgid\space(msg):\space}\msgtrailer{}
261 \msg*{10}{***** I emphasize: this is a WARNING! ***** %
262     \MessageBreak ***** Be careful.^^J}{}
263 \msgheader{}\msgtrailer{}
264 \msg{11}{The msg package is in use with 'm59825(wi tTf14)kagei . }F436.974Tf-14.598-10.959Td[2
262
\msg{5}{`msg"%

```

```
293         \MessageBreak et aligné}{  
294 \msgheader{Message\space\msgid\space(msg)\space\string: %  
295         \space}\msgtrailer{  
296 \msg*{10}{***** Je mets en valeur \string: %  
297         ceci est un AVERTISSEMENT ! ***** %  
298         \MessageBreak ***** Soyez prudent. ^^J}}}  
299 \msgheader{}\msgtrailer{  
300 \msg{11}{L'extension msg est en service avec l'option %  
301
```


364
365

\\el se\\l et\\@msgparts@0Rnot\\@gobble%
\\fi %

will be output as is (until the \LaTeX team introduces a real output encoding for the console³).

Rule 7: No other macro command can begin a line.

Rule 8: All 8bits characters used should in the range specified by the macro command `\msgencodi ng`.

That's all!

To build messages with header and/or trailer

`\msgheader` #1

`\msgtrai ler` #1

```
451 \def\msgheader#1{\let\reserved@a\relax%
452             \def\msg@header{#1}\protect\@msgHTsptoken}%
453 \def\msgtrai ler#1{\let\reserved@a\relax%
454             \def\msg@trai ler{#1}\protect\@msgHTsptoken}%
455 \def\@msgHTsptoken{\@i fnextchar\@sptoken{\@msg@gobbl e@space%
456             \let\@msg@gobbl e@space\@gobbl e}%
457             {\let\@msg@gobbl e@space\@gobbl e}%
458             }%
```


\issueal lmsg [#1](#2)

```
459 \def\issueal lmsg{\bgroup\let\@@input@msg@fi lename\@msginput@usual %
460 \let\msg@cmd\issuems g%
461 \@ifnextchar[{ \issueal lmsg}{ \issueal lmsg[ \issuems gi o]}%]
462 }%
463 \def\issueal lmsg[#1]{ \let\@msg@i ocmdn#1 \issueal lmsg}%
464 \def\issueal lmsg(#1){ \def\next{ \issueal lmsg(#1)}%
465 \long\def\help###1{ \xdef\themsg{ \space help=##1}}%
466 \let\ifmsgnext\iftrue% begin/continue loop.
467 \def\msgid{ \ne\tw@ \thr@@ \si xt@@n \cc l v}% Set next one wanted.
468 \let\prevmsgid\msgid% Save previous id.
469 \issueal lmsg(#1)% Go for loopi ng.
470 \let\ifmsgnext\iffalse%
471
```

```
494 \DeclareOption{kbtypeout}{\let\issuemsg\kbtypeout}% Keyboard cs.  
495 \fi%
```

These options are related to basic messages macros but this is not an exhaustive list of macros which can be called by `\issuemsg`. Specially, `\PackageError` can also be used, as alre4134P84ns7(licus480(u)1)1(48(p.)1(4135)1(48(an1)1(48(p.)1(41315.)18-27Ts)-37

505 \edef\nativelanguage{french}% This is my native language.

This optional macro is usefull to understand and/or translate correctly the message

The last option, if undeclared as an option, is assumed to be a language name. If that language is unknown (i.e. undefined in the **language.dat** file in use) we issue a warning with message number 3, otherwise that language name will be now the prefix for all the message files names searches. It overrides any previously set (in

16 Thanks

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

`\#` 171, 175,
182, 250, 282,
308, 309, 312,
339, 367, 370, 398
`*` 62, 186, 236
`\@` 27
`\@@input` . . . 34, 160, 185
`\@@input@msg@filename`
. 160,
221, 326, 459,
478, 497, 500, 547
`\@argmsg` . . . 84, 192, 308
`\@cclv` 340, 345, 467
`\@currname` . . . 32, 33, 36
`\@firstofone` 353
`\@gobble` 170, 220, 310,
363, 364, 390,
400, 425, 456, 457
`\@gobble@help` . . 324, 368
`\@ieg` 441, 442, 444
`\@ifnextchar` . . . 63,
65, 79, 115, 187,
368, 390, 455, 461
`\@ifstar` 311
`\@inputmsg` . . . 159,

O

\on@l i ne . . . 506, 514, 522
\on@l i neORl 506, 522
\openi n 161

P

\PackageError