

ltdirchk.dtx*

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This file is maintained by the L^AT_EX Project team.
Bug reports can be opened (category latex) at
<https://latex-project.org/bugs.html>.

1 L^AT_EX System Dependent Initialisations

This file implements the semi-automatic determination of various system dependent parts of the initialisation. The actual definitions may be placed in a file `texsys.cfg`. Thus for operating systems for which the tests here do not result in acceptable settings, a ‘hand written’ `texsys.cfg` may be produced.

The macros that must be defined are:

`\@currdir` `\@currdir⟨filename⟩⟨space⟩` should expand to a form of the filename that uniquely refers to the ‘current directory’ if this is possible. (The expansion should also end with a space.) on UNIX, this is `\def\@currdir{./}`. For more exotic operating systems you may want to make `\@currdir` a macro with arguments delimited by `.` and/or `⟨space⟩`. If the operating system has no concept of directory structure, this macro should be defined to be empty.

`\input@path` If the primitive `\openin` searches the same directories as the primitive `\input`, then it is possible to tell (using `\ifeof`) whether a file exists before trying to input it. For systems like this, `\input@path` should be left undefined.

If `\openin` does not ‘follow’ `\input` then `\input@path` must be defined to be a list of directories to search for input files. The format for each directory is as for `\@currdir`, normally just a prefix is required, but it may be a macro with space-delimited argument. That is, if `⟨dir⟩` is an entry in the input path, T_EX will try to load the expansion of `⟨dir⟩⟨filename⟩⟨space⟩`

So either `⟨dir⟩` should be defined as a macro with argument delimited by space, or it should just expand to a directory name, including the final directory separator, so that it may be concatenated with the `⟨filename⟩`. This means that for UNIX-like syntax, each `⟨dir⟩` should end with a slash, `/`.

`\filename@parse` `\input@path` should expand to a list of such directories, each in a `{}` group.
After a call of the form: `\filename@parse{⟨filename⟩}`, the three macros

*this document also includes the source for `texsys.cfg` and `ltxcheck.tex`