

NAME

l3build

SYNOPSIS

Usage l3build <target> [<options>] [<names>]

DESCRIPTION

The "l3build" module is designed to support the development of high-quality LaTeX code by providing:

- * A unit testing system
- * Automated typesetting of code sources
- * A reliable packaging system for CTAN releases

The bundle consists of a Lua script to run the tasks and a ".tex" file which provides the testing environment. These were originally developed for supporting LaTeX development but are designed such that they can be readily used by others. Full documentation is provided.

COMMANDS

Valid targets are:

- | | |
|-----------|--|
| check | Runs all automated tests |
| clean | Cleans out directory tree |
| ctan | Creates CTAN-ready archive |
| doc | Typesets all documentation files |
| install | Installs files into the local texmf tree |
| manifest | Creates a manifest file |
| save | Saves test validation log |
| tag | Updates release tags in files |
| uninstall | Uninstalls files from the local texmf tree |
| unpack | Unpacks the source files into the build tree |
| upload | Sends archive to CTAN for public release |

OPTIONS

Valid options are:

- | | |
|-------------|---|
| --config -c | Sets the config(s) used for running tests |
| --date -d | Sets the date to insert into sources |
| --debug | Runs target in debug mode |
| --dev | Use the development LaTeX format |
| --dirty | Skips cleaning up the test area |
| --dry-run | Dry run for install or upload |
| --email | Email address of CTAN uploader |
| --engine -e | Sets the engine(s) to use for running test |
| --epoch | Sets the epoch for tests and typesetting |
| --file -F | Takes the upload announcement from the given file |
| --first | Name of first test to run |

--full Installs all files
--halt-on-error|-H Stops running tests after the first failure
--help|-h Prints this message and exits
--last Name of last test to run
--message|-m Text for upload announcement message
--quiet|-q Suppresses TeX output when unpacking
--rerun Skips setup: simply reruns tests
--show-log-on-error Shows the full log of the failure with 'halt-on-error'
--show-saves|-S Shows the invocation to update failing .tlg files
--shuffle Shuffles order of tests
--stdengine|-s Run tests with the std engine (config dependent)
--texmfhome Location of user texmf tree
--version Prints version information and exits

SEE ALSO

Full manual available via 'texdoc l3build'.

Repository : <https://github.com/latex3/l3build>

Bug tracker : <https://github.com/latex3/l3build/issues>

AUTHORS

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