

NAME

l3build – Checking and building packages

SYNOPSIS

l3build <command> [<options>] [<names>]

DESCRIPTION

The l3build system is a Lua script for building TeX packages, with particular emphasis on regression testing. It is written in cross-platform Lua code, so can be used by any modern TeX distribution with the texlua interpreter. A package for building with l3build can be written in any TeX dialect; its defaults are set up for LaTeX packages written in the DocStrip style.

The most commonly used l3build commands are:

| | |
|-----------|--|
| check | Run all automated tests |
| clean | Clean out directory tree |
| doc | Typesets all documentation files |
| install | Installs files into the local texmf tree |
| save | Saves test validation log |
| tag | Update release tags in files |
| uninstall | Uninstalls files from the local texmf tree |
| unpack | Unpacks the source files into the build tree |

OPTIONS

Various options apply

| | |
|--------------------|---|
| --config -c | Sets the config(s) used for running tests |
| --date | Sets the date to insert into sources |
| --dry-run | Dry run for install |
| --engine -e | Sets the engine(s) to use for running test |
| --epoch | Sets the epoch for tests and typesetting |
| --first | Name of first test to run |
| --force -f | Force tests to run if engine is not set up |
| --halt-on-error -H | Stops running tests after the first failure |
| --last | Name of last test to run |
| --pdf -p | Check/save PDF files |
| --quiet -q | Suppresses TeX output when unpacking |

--rerun Skip setup: simply rerun tests

--shuffle

Shuffle order of tests

--texmfhome

Location of user texmf tree

BUGS

AUTHOR

The LaTeX3 Project (latex-team@latex-project.org)

Please log issues on the GitHub homepage: <https://github.com/latex3/l3build/issues>.

SEE ALSO

See l3build.pdf for more details.