

**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 LaTeX 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.