

NAME

l3build – Checking and building packages

SYNOPSIS

l3build <target> [<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 standard l3build 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

Various options apply

--config -c	
	Sets the config(s) used for running tests
--date	Sets the date to insert into sources
--debug	Runs target in debug mode
--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 help 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 only with the standard engine (which may vary between configs)

--texmfhome
 Location of user texmf tree

--version
 Prints version information and exits

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.