

**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.