

**NAME**

l3build

**SYNOPSIS**

Usage l3build &lt;target&gt; [&lt;options&gt;] [&lt;names&gt;]

**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

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