



C

**Merge only the good stuff**

# Continuous Integration for curl

Test and verify as much as possible already in pull-requests

Reduce follow-up fixes, keep master functional for development

Check code-style as well, to minimize “nagging” done by humans

curl is very portable and runs many configurations, devs build/tests only a small portion individually

# History

Nov 2000: first test suite

May 2001: test format makeover

... volunteer distributed testing *post-merge*

Oct 2013: basic travis-ci use, linux-only

Aug 2015: macOS travis runs

Sep 2015: AppVeyor-CI – Windows builds

Jun 2017: test coverage on travis

# Tested for every PR and push today

Linux, macOS, Windows and Solaris builds, including examples

Run tests on both builds on Linux, macOS and Solaris

Using clang and gcc

Debug-enabled (includes 'make checksrc'), non debug-enabled, HTTP disabled, with libssh, with brotli, with boringssl, with libressl, with c-ares, with libpsl, with CURL\_DOES\_CONVERSIONS, with cmake and configure

Test coverage

distcheck – verifies release tarball (in and out of tree, configure and cmake)

Fuzzer (separate from OSS-fuzz)

lgtm.com static analyzer

# More CI?

More platforms (buildbot integrations)

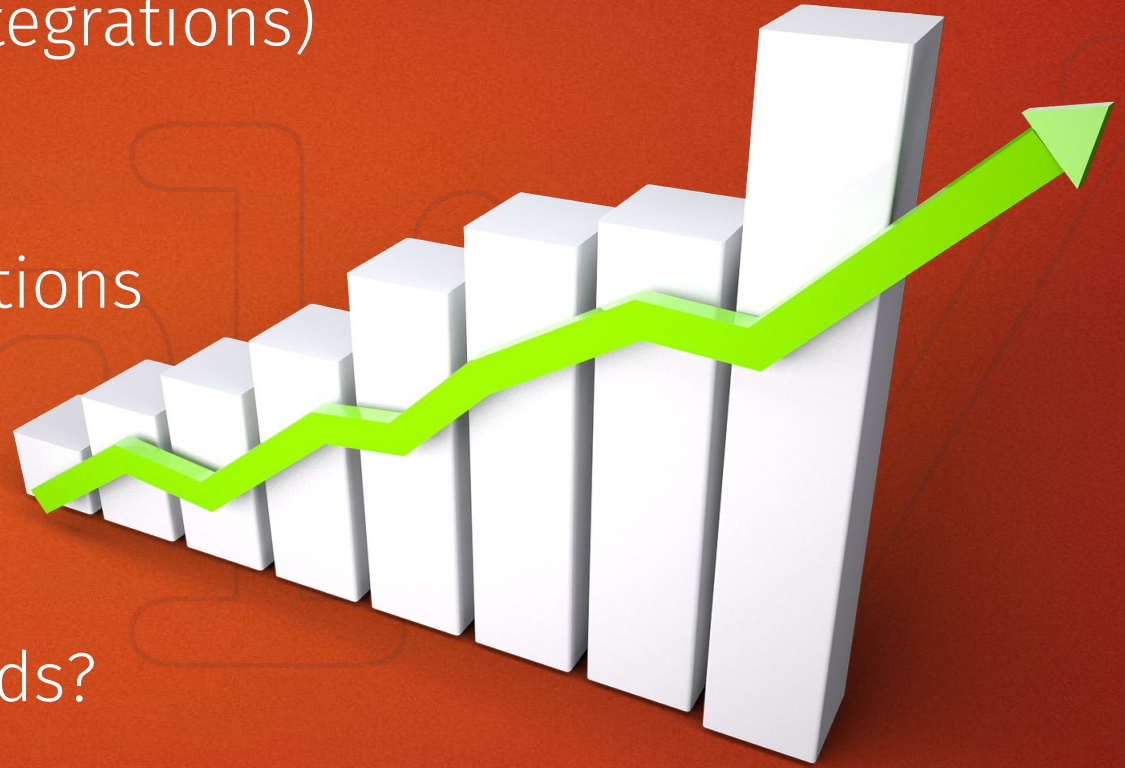
More TLS libraries

More (widely used) build options

Running tests on windows

Increase test coverage

Convert auto-tests to CI builds?



# False sense of security?

The tests don't test everything

We don't build and run on nearly all platforms  
our users use

We don't build with all possible third party  
dependencies

