

1.0.2 - (2021-10-07)

Announcing Hiredis v1.0.2, which fixes CVE-2021-32765 but returns the SONAME to the correct value of `1.0.0`.

- [Revert SONAME bump \(Michael Grunder\)](#)

1.0.1 - (2021-10-04)

This release erroneously bumped the SONAME, please use [1.0.2](#)

Announcing Hiredis v1.0.1, a security release fixing CVE-2021-32765

- Fix for [CVE-2021-32765 commit \(Yossi Gottlieb\)](#)

Thanks to [Yossi Gottlieb](#) for the security fix and to [Microsoft Security Vulnerability Research](#) for finding the bug.
:sparkling_heart:

1.0.0 - (2020-08-03)

Announcing Hiredis v1.0.0, which adds support for RESP3, SSL connections, allocator injection, and better Windows support! :tada:

A big thanks to everyone who helped with this release. The following list includes everyone who contributed at least five lines, sorted by lines contributed. :sparkling_heart:

[Michael Grunder](#), [Yossi Gottlieb](#), [Mark Nunberg](#), [Marcus Geelnard](#), [Justin Brewer](#), [Valentino Geron](#), [Minun Dragonation](#), [Omri Steiner](#), [Sangmoon Yi](#), [Jinjiazh](#), [Odin Hultgren Van Der Horst](#), [Muhammad Zahalqa](#), [Nick Rivera](#), [Qi Yang](#), [kevin1018](#)

[Full Changelog](#)

BREAKING CHANGES:

- `redisOptions` now has two timeout fields. One for connecting, and one for commands. If you're presently using `options->timeout` you will need to change it to use `options->connect_timeout`. (See [example](#))
- Bulk and multi-bulk lengths less than -1 or greater than `LLONG_MAX` are now protocol errors. This is consistent with the RESP specification. On 32-bit platforms, the upper bound is lowered to `SIZE_MAX`.
- `redisReplyObjectFunctions.createArray` now takes `size_t` for its length parameter.

New features:

- Support for RESP3 [#697](#), [#805](#), [#819](#), [#841](#) ([Yossi Gottlieb](#), [Michael Grunder](#))
- Support for SSL connections [#645](#), [#699](#), [#702](#), [#708](#), [#711](#), [#821](#), [more](#) ([Mark Nunberg](#), [Yossi Gottlieb](#))
- Run-time allocator injection [#800](#) ([Michael Grunder](#))
- Improved Windows support (including MinGW and Windows CI) [#652](#), [#663](#) ([Marcus Geelnard](#))
- Adds support for distinct connect and command timeouts [#839](#), [#829](#) ([Valentino Geron](#))
- Add generic pointer and destructor to `redisContext` that users can use for context. [#855](#) ([Michael Grunder](#))

Closed issues (that involved code changes):

- Makefile does not install TLS libraries [#809](#)
- `redisConnectWithOptions` should not set command timeout [#722](#), [#829](#) ([valentinogeron](#))

- Fix integer overflow in `sdsrange` [#827](#)
- INFO & CLUSTER commands failed when using RESP3 [#802](#)
- Windows compatibility patches [#687](#), [#838](#), [#842](#)
- RESP3 PUSH messages incorrectly use pending callback [#825](#)
- Asynchronous PSUBSCRIBE command fails when using RESP3 [#815](#)
- New SSL API [#804](#), [#813](#)
- Hard-coded limit of nested reply depth [#794](#)
- Fix TCP_NODELAY in Windows/OSX [#679](#), [#690](#), [#779](#), [#785](#)
- Added timers to libev adapter. [#778](#), [#795](#)
- Initialization discards const qualifier [#777](#)
- [BUG][MinGW64] Error setting socket timeout [#775](#)
- undefined reference to `hi_malloc` [#769](#)
- hiredis pkg-config file incorrectly ignores multiarch libdir spec'n [#767](#)
- Don't use -G to build shared object on Solaris [#757](#)
- error when make USE_SSL=1 [#748](#)
- Allow to change SSL Mode [#646](#)
- hiredis/adapters/libevent.h memleak [#618](#)
- redisLibuvPoll crash when server closes the connection [#545](#)
- about redisAsyncDisconnect question [#518](#)
- hiredis adapters libuv error for help [#508](#)
- API/ABI changes analysis [#506](#)
- Memory leak patch in Redis [#502](#)
- Remove the depth limitation [#421](#)

Merged pull requests:

- Move SSL management to a distinct private pointer [#855](#) ([michael-grunder](#))
- Move include to sockcompat.h to maintain style [#850](#) ([michael-grunder](#))
- Remove erroneous tag and add license to push example [#849](#) ([michael-grunder](#))
- fix windows compiling with mingw [#848](#) ([rmalizia44](#))
- Some Windows quality of life improvements. [#846](#) ([michael-grunder](#))
- Use `_WIN32` define instead of `WIN32` [#845](#) ([michael-grunder](#))
- Non Linux CI fixes [#844](#) ([michael-grunder](#))
- Resp3 oob push support [#841](#) ([michael-grunder](#))
- fix [#785](#): defer TCP_NODELAY in async tcp connections [#836](#) ([OmriSteiner](#))
- sdsrange overflow fix [#830](#) ([michael-grunder](#))
- Use explicit pointer casting for c++ compatibility [#826](#) ([aureus1](#))
- Document allocator injection and completeness fix in test.c [#824](#) ([michael-grunder](#))
- Use unique names for allocator struct members [#823](#) ([michael-grunder](#))
- New SSL API to replace `redisSecureConnection()`. [#821](#) ([yossigo](#))
- Add logic to handle RESP3 push messages [#819](#) ([michael-grunder](#))
- Use `std::radixdigit` instead of custom helper function. [#814](#) ([tryfinally](#))
- Fix missing SSL build/install options. [#812](#) ([yossigo](#))
- Add link to ABI tracker [#808](#) ([michael-grunder](#))
- Resp3 verbatim string support [#805](#) ([michael-grunder](#))
- Allow users to replace allocator and handle OOM everywhere. [#800](#) ([michael-grunder](#))
- Remove nested depth limitation. [#797](#) ([michael-grunder](#))
- Attempt to fix compilation on Solaris [#796](#) ([michael-grunder](#))
- Support timeouts in libev adapter [#795](#) ([michael-grunder](#))
- Fix pkgconfig when installing to a custom lib dir [#793](#) ([michael-grunder](#))
- Fix `USE_SSL=1` make/cmake on OSX and CMake tests [#789](#) ([michael-grunder](#))

- Use correct libuv call on Windows [#784](#) ([michael-grunder](#))
- Added CMake package config and fixed hiredis_ssl on Windows [#783](#) ([michael-grunder](#))
- CMake: Set hiredis_ssl shared object version. [#780](#) ([yossigo](#))
- Win32 tests and timeout fix [#776](#) ([michael-grunder](#))
- Provides an optional cleanup callback for async data. [#768](#) ([heronr](#))
- Housekeeping fixes [#764](#) ([michael-grunder](#))
- install alloc.h [#756](#) ([ch1aki](#))
- fix spelling mistakes [#746](#) ([ShooterIT](#))
- Free the reply in redisGetReply when passed NULL [#741](#) ([michael-grunder](#))
- Fix dead code in sslLogCallback relating to should_log variable. [#737](#) ([natoscott](#))
- Fix typo in dict.c. [#731](#) ([Kevin-Xi](#))
- Adding an option to DISABLE_TESTS [#727](#) ([pbotros](#))
- Update README with SSL support. [#720](#) ([yossigo](#))
- Fixes leaks in unit tests [#715](#) ([michael-grunder](#))
- SSL Tests [#711](#) ([yossigo](#))
- SSL Reorganization [#708](#) ([yossigo](#))
- Fix MSVC build. [#706](#) ([yossigo](#))
- SSL: Properly report SSL_connect() errors. [#702](#) ([yossigo](#))
- Silent SSL trace to stdout by default. [#699](#) ([yossigo](#))
- Port RESP3 support from Redis. [#697](#) ([yossigo](#))
- Removed whitespace before newline [#691](#) ([Miniwoffer](#))
- Add install adapters header files [#688](#) ([kevin1018](#))
- Remove unnecessary null check before free [#684](#) ([glyoung](#))
- redisReaderGetReply leak memory [#671](#) ([movebean](#))
- fix timeout code in windows [#670](#) ([jman-krafton](#))
- test: fix errstr matching for musl libc [#665](#) ([ghost](#))
- Windows: MinGW fixes and Windows Travis builders [#663](#) ([mbitsnbites](#))
- The setsockopt and getsockopt API differs from BSD socket and WSA one [#662](#) ([dragonation](#))
- Fix Compile Error On Windows (Visual Studio) [#658](#) ([jinjiazhang](#))
- Fix NXDOMAIN test case [#653](#) ([michael-grunder](#))
- Add MinGW support [#652](#) ([mbitsnbites](#))
- SSL Support [#645](#) ([mnunberg](#))
- Fix Invalid argument after redisAsyncConnectUnix [#644](#) ([codehz](#))
- Makefile: use predefined AR [#632](#) ([Mic92](#))
- FreeBSD build fix [#628](#) ([devnexen](#))
- Fix errors not propagating properly with libuv.h. [#624](#) ([yossigo](#))
- Update README.md [#621](#) ([Crunsher](#))
- Fix redisBufferRead documentation [#620](#) ([hacst](#))
- Add CPPFLAGS to REAL_CFLAGS [#614](#) ([thomaslee](#))
- Update createArray to take size_t [#597](#) ([justinbrewer](#))
- fix common realloc mistake and add null check more [#580](#) ([charsyam](#))
- Proper error reporting for connect failures [#578](#) ([mnunberg](#))

* This Changelog was automatically generated by [github changelog_generator](#)

[1.0.0-rc1](#) - (2020-07-29)

Note: There were no changes to code between v1.0.0-rc1 and v1.0.0 so see v1.0.0 for changelog

0.14.1 (2020-03-13)

- Adds safe allocation wrappers (CVE-2020-7105, #747, #752) (Michael Grunder)

0.14.0 (2018-09-25)

BREAKING CHANGES:

- Change `redisReply.len` to `size_t`, as it denotes the the size of a string
User code should compare this to `size_t` values as well. If it was used to compare to other values, casting might be necessary or can be removed, if casting was applied before.
- Make `string2ll` static to fix conflict with Redis (Tom Lee [c3188b])
- Use `-dynamiclib` instead of `-shared` for OSX (Ryan Schmidt [a65537])
- Use `string2ll` from Redis w/added tests (Michael Grunder [7bef04, 60f622])
- Makefile - OSX compilation fixes (Ryan Schmidt [881fcb, 0e9af8])
- Remove redundant NULL checks (Justin Brewer [54acc8, 58e6b8])
- Fix bulk and multi-bulk length truncation (Justin Brewer [109197])
- Fix SIGSEGV in OpenBSD by checking for NULL before calling `freeaddrinfo` (Justin Brewer [546d94])
- Several POSIX compatibility fixes (Justin Brewer [bbeab8, 49bbaa, d1c1b6])
- Makefile - Compatibility fixes (Dimitri Vorobiev [3238cf, 12a9d1])
- Makefile - Fix make install on FreeBSD (Zach Shipko [a2ef2b])
- Makefile - don't assume `$(INSTALL)` is `cp` (Igor Gnatenko [725a96])
- Separate side-effect causing function from assert and small cleanup (amallia [b46413, 3c3234])
- Don't send negative values to `__redisAsyncCommand` (Frederik Deweerdt [706129])
- Fix leak if `setsockopt` fails (Frederik Deweerdt [e21c9c])
- Fix `libevent` leak (zfv [515228])
- Clean up GCC warning (Ichito Nagata [2ec774])
- Keep track of `errno` in `__redisSetErrorFromErrno()` as `snprintf` may use it (Jin Qing [25cd88])
- Solaris compilation fix (Donald Whyte [41b07d])
- Reorder linker arguments when building examples (Tustfarm-heart [06eedd])
- Keep track of subscriptions in case of rapid subscribe/unsubscribe (Hyungjin Kim [073dc8, be76c5, d46999])
- `libuv` use after free fix (Paul Scott [cbb956])
- Properly close socket fd on reconnect attempt (WSL [64d1ec])
- Skip `valgrind` in OSX tests (Jan-Erik Rediger [9deb78])
- Various updates for Travis testing OSX (Ted Nyman [fa3774, 16a459, bc0ea5])
- Update `libevent` (Chris Xin [386802])
- Change `sds.h` for building in C++ projects (Ali Volkan ATLI [f5b32e])

- Use proper format specifier in redisFormatSdsCommandArgv (Paulino Huerta, Jan-Erik Rediger [360a06, 8655a6])
- Better handling of NULL reply in example code (Jan-Erik Rediger [1b8ed3])
- Prevent overflow when formatting an error (Jan-Erik Rediger [0335cb])
- Compatibility fix for strerror_r (Tom Lee [bb1747])
- Properly detect integer parse/overflow errors (Justin Brewer [93421f])
- Adds CI for Windows and cygwin fixes (owent, [6c53d6, 6c3e40])
- Catch a buffer overflow when formatting the error message
- Import latest upstream sds. This breaks applications that are linked against the old hiredis v0.13
- Fix warnings, when compiled with -Wshadow
- Make hiredis compile in Cygwin on Windows, now CI-tested
- Bulk and multi-bulk lengths less than -1 or greater than `LLONG_MAX` are now protocol errors. This is consistent with the RESP specification. On 32-bit platforms, the upper bound is lowered to `SIZE_MAX`.
- Remove backwards compatibility macro's

This removes the following old function aliases, use the new name now:

Old	New
redisReplyReaderCreate	redisReaderCreate
redisReplyReaderCreate	redisReaderCreate
redisReplyReaderFree	redisReaderFree
redisReplyReaderFeed	redisReaderFeed
redisReplyReaderGetReply	redisReaderGetReply
redisReplyReaderSetPrivdata	redisReaderSetPrivdata
redisReplyReaderGetObject	redisReaderGetObject
redisReplyReaderGetError	redisReaderGetError

- The `DEBUG` variable in the Makefile was renamed to `DEBUG_FLAGS`

Previously it broke some builds for people that had `DEBUG` set to some arbitrary value, due to debugging other software. By renaming we avoid unintentional name clashes.

Simply rename `DEBUG` to `DEBUG_FLAGS` in your environment to make it working again.

0.13.3 (2015-09-16)

- Revert "Clear `REDIS_CONNECTED` flag when connection is closed".
- Make tests pass on FreeBSD (Thanks, Giacomo Olgeni)

If the `REDIS_CONNECTED` flag is cleared, the async `onDisconnect` callback function will never be called. This causes problems as the disconnect is never reported back to the user.

0.13.2 (2015-08-25)

- Prevent crash on pending replies in async code (Thanks, @switch-st)
- Clear `REDIS_CONNECTED` flag when connection is closed (Thanks, Jerry Jacobs)
- Add MacOS X addapter (Thanks, @dizzus)
- Add Qt adapter (Thanks, Pietro Cerutti)
- Add Ivykis adapter (Thanks, Gergely Nagy)

All adapters are provided as is and are only tested where possible.

0.13.1 (2015-05-03)

This is a bug fix release. The new `reconnect` method introduced new struct members, which clashed with pre-defined names in pre-C99 code. Another commit forced C99 compilation just to make it work, but of course this is not desirable for outside projects. Other non-C99 code can now use hiredis as usual again. Sorry for the inconvenience.

- Fix memory leak in async reply handling (Salvatore Sanfilippo)
- Rename struct member to avoid name clash with pre-c99 code (Alex Balashov, ncopa)

0.13.0 (2015-04-16)

This release adds a minimal Windows compatibility layer. The parser, standalone since v0.12.0, can now be compiled on Windows (and thus used in other client libraries as well)

- Windows compatibility layer for parser code (tzickel)
- Properly escape data printed to PKGCONF file (Dan Skorupski)
- Fix tests when `assert()` undefined (Keith Bennett, Matt Stancliff)
- Implement a `reconnect` method for the client context, this changes the structure of `redisContext` (Aaron Bedra)

0.12.1 (2015-01-26)

- Fix `make install`: DESTDIR support, install all required files, install PKGCONF in proper location
- Fix `make test` as 32 bit build on 64 bit platform

0.12.0 (2015-01-22)

- Add optional KeepAlive support
- Try again on EINTR errors
- Add libuv adapter
- Add IPv6 support
- Remove possibility of multiple close on same fd
- Add ability to bind source address on connect
- Add `redisConnectFd()` and `redisFreeKeepFd()`
- Fix `getaddrinfo()` memory leak
- Free string if it is unused (fixes memory leak)

- Improve redisAppendCommandArgv performance 2.5x
- Add support for SO_REUSEADDR
- Fix redisvFormatCommand format parsing
- Add GLib 2.0 adapter
- Refactor reading code into read.c
- Fix errno error buffers to not clobber errors
- Generate pkgconf during build
- Silence _BSD_SOURCE warnings
- Improve digit counting for multibulk creation

0.11.0

- Increase the maximum multi-bulk reply depth to 7.
- Increase the read buffer size from 2k to 16k.
- Use poll(2) instead of select(2) to support large fds (≥ 1024).

0.10.1

- Makefile overhaul. Important to check out if you override one or more variables using environment variables or via arguments to the "make" tool.
- Issue #45: Fix potential memory leak for a multi bulk reply with 0 elements being created by the default reply object functions.
- Issue #43: Don't crash in an asynchronous context when Redis returns an error reply after the connection has been made (this happens when the maximum number of connections is reached).

0.10.0

- See commit log.