

Node.js ChangeLog Archive

v0.11	v0.9	v0.8	v0.7	v0.6	v0.5	<= v0.4
0.11.14	0.9.12	0.8.25	0.7.12	0.6.20	0.5.10	0.4.12
0.11.13	0.9.11	0.8.24	0.7.11	0.6.19	0.5.9	0.4.11
0.11.12	0.9.10	0.8.23	0.7.10	0.6.18	0.5.8	0.4.10
0.11.11	0.9.9	0.8.22	0.7.9	0.6.17	0.5.7	0.4.9
0.11.10	0.9.8	0.8.21	0.7.8	0.6.16	0.5.6	0.4.8
0.11.9	0.9.7	0.8.20	0.7.7	0.6.15	0.5.5	0.4.7
0.11.8	0.9.6	0.8.19	0.7.6	0.6.14	0.5.4	0.4.6
0.11.7	0.9.5	0.8.18	0.7.5	0.6.13	0.5.3	0.4.5
0.11.6	0.9.4	0.8.17	0.7.4	0.6.12	0.5.2	0.4.4
0.11.5	0.9.3	0.8.16	0.7.3	0.6.11	0.5.1	0.4.3
0.11.4	0.9.2	0.8.15	0.7.2	0.6.10	0.5.0	0.4.2
0.11.3	0.9.1	0.8.14	0.7.1	0.6.9		0.4.1
0.11.2	0.9.0	0.8.13	0.7.0	0.6.8		0.4.0
0.11.1		0.8.12		0.6.7		0.3.8
0.11.0		0.8.11		0.6.6		0.3.7
		0.8.10		0.6.5		0.3.6
		0.8.9		0.6.4		0.3.5
		0.8.8		0.6.3		0.3.4
		0.8.7		0.6.2		0.3.3
		0.8.6		0.6.1		0.3.2
		0.8.5		0.6.0		0.3.1
		0.8.4				0.3.0
		0.8.3				0.2.0
		0.8.2				<= 0.1.x
		0.8.1				
		0.8.0				

- Other Versions

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- [4.x](#)
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2014.09.24, Version 0.11.14 (Unstable)

- uv: Upgrade to v1.0.0-rc1

- http_parser: Upgrade to v2.3.0
- npm: Upgrade to v2.0.0
- openssl: Upgrade to v1.0.1i
- v8: Upgrade to 3.26.33
- Add fast path for simple URL parsing (Gabriel Wicke)
- Added support for options parameter in console.dir() (Xavi Magrinyà)
- Cluster: fix shared handles on Windows (Alexis Campailla)
- buffer: Fix incorrect Buffer.compare behavior (Feross Aboukhadijeh)
- buffer: construct new buffer from buffer.toJSON() output (cjihrig)
- buffer: improve Buffer constructor (Kang-Hao Kenny)
- build: linking CoreFoundation framework for OSX (Thorsten Lorenz)
- child_process: accept uid/gid everywhere (Fedor Indutny)
- child_process: add path to spawn ENOENT Error (Ryan Cole)
- child_process: copy spawnSync() cwd option to proper buffer (cjihrig)
- child_process: do not access stderr when stdio set to 'ignore' (cjihrig)
- child_process: don't throw on EAGAIN (Charles)
- child_process: don't throw on EMFILE/ENFILE (Ben Noordhuis)
- child_process: use full path for cmd.exe on Win32 (Ed Morley)
- cluster: allow multiple calls to setupMaster() (Ryan Graham)
- cluster: centralize removal from workers list. (Julien Gilli)
- cluster: enable error/message events using .worker (cjihrig)
- cluster: include settings object in 'setup' event (Ryan Graham)
- cluster: restore v0.10.x setupMaster() behaviour (Ryan Graham)
- cluster: support options in Worker constructor (cjihrig)
- cluster: test events emit on cluster.worker (Sam Roberts)
- console: console.dir() accepts options object (Xavi Magrinyà)
- crypto: add `honorCipherOrder` argument (Fedor Indutny)
- crypto: allow padding in RSA methods (Fedor Indutny)
- crypto: clarify RandomBytes() error msg (Mickael van der Beek)
- crypto: never store pointer to conn in SSL_CTX (Fedor Indutny)
- crypto: unsigned value can't be negative (Brian White)
- dgram: remove new keyword from errnoException (Jackson Tian)
- dns: always set variable family in lookup() (cjihrig)
- dns: include host name in error message if available (Maciej Małecki)
- dns: introduce lookupService function (Saúl Ibarra Corretgé)
- dns: send lookup c-ares errors to callback (Chris Dickinson)
- dns: throw if hostname is not string or falsey (cjihrig)
- events: Output the event that is leaking (Arnout Kazemier)
- fs: close file if fstat() fails in readFile() (cjihrig)
- fs: fs.readFile should not throw uncaughtException (Jackson Tian)
- http: add 308 status_code, see RFC7238 (Yazhong Liu)
- http: don't default OPTIONS to chunked encoding (Nick Muerdter)
- http: fix bailout for writeHead (Alex Kocharin)
- http: remove unused code block (Fedor Indutny)
- http: write() after end() emits an error. (Julien Gilli)
- lib, src: add vm.runInDebugContext() (Ben Noordhuis)
- lib: noisy deprecation of child_process customFds (Ryan Graham)
- module: don't require fs several times (Robert Kowalski)
- net,dgram: workers can listen on exclusive ports (cjihrig)
- net,stream: add isPaused, don't read() when paused (Chris Dickinson)

- net: Ensure consistent binding to IPV6 if address is absent (Raymond Feng)
- net: add remoteFamily for socket (Jackson Tian)
- net: don't emit listening if handle is closed (Eli Skeggs)
- net: don't prefer IPv4 addresses during resolution (cjihrig)
- net: don't throw on net.Server.close() (cjihrig)
- net: reset `errorEmitted` on reconnect (Ed Umansky)
- node: set names for prototype methods (Trevor Norris)
- node: support v8 microtask queue (Vladimir Kurchatkin)
- path: fix slice OOB in trim (Lucio M. Tato)
- path: isAbsolute() should always return boolean (Herman Lee)
- process: throw TypeError if kill pid not a number (Sam Roberts)
- querystring: custom encode and decode (fengmk2)
- querystring: do not add sep for empty array (cjihrig)
- querystring: remove prepended ? from query field (Ezequiel Rabinovich)
- readline: fix close event of readline.Interface() (Yazhong Liu)
- readline: fixes scoping bug (Dan Kaplun)
- readline: implements keypress buffering (Dan Kaplun)
- repl: fix multi-line input (Fedor Indutny)
- repl: fix overwrite for this._prompt (Yazhong Liu)
- repl: proper `setPrompt()` and `multiline` support (Fedor Indutny)
- stream: don't try to finish if buffer is not empty (Vladimir Kurchatkin)
- stream: only end reading on null, not undefined (Jonathan Reem)
- streams: set default hwm properly for Duplex (Andrew Oppenlander)
- string_bytes: ucs2 support big endian (Andrew Low)
- tls, crypto: add DHE support (Shigeki Ohtsu)
- tls: `checkServerIdentity` option (Trevor Livingston)
- tls: add DHE-RSA-AES128-SHA256 to the def ciphers (Shigeki Ohtsu)
- tls: better error reporting at cert validation (Fedor Indutny)
- tls: support multiple keys/certs (Fedor Indutny)
- tls: throw an error, not string (Jackson Tian)
- udp: make it possible to receive empty udp packets (Andrius Bentkus)
- url: treat \ the same as / (isaacs)

2014.05.01, Version 0.11.13 (Unstable)

<https://github.com/nodejs/node/commit/99c9930ad626e2796af23def7cac19b65c608d18>

- v8: upgrade to 3.24.35.22
- buffer: add compare and equals methods (Sean McArthur)
- buffer: improve {read,write}{U}Int* methods (Nick Apperson)
- buffer: return uint if MSB is 1 in readUInt32 (goussardg)
- buffer: truncate buffer after string decode (Fedor Indutny)
- child_process: fix assertion error in spawnSync (Shigeki Ohtsu)
- crypto: fix memory leak in CipherBase::Final (Fedor Indutny)
- crypto: improve error messages (Ingmar Runge)
- crypto: move `createCredentials` to tls (Fedor Indutny)
- crypto: work around OpenSSL oddness (Fedor Indutny)
- dgram: introduce `reuseAddr` option (Fedor Indutny)
- domain: don't crash on "throw null" (Alex Kocharin)
- events: check if `_events` is an own property (Vladimir Kurchatkin)

- fs: improve performance of all stat functions (James Pickard)
- fs: return blksize on stats object (Trevor Norris)
- http: add request.flush() method (Ben Noordhuis)
- http: better client "protocol not supported" error (Nathan Rajlich)
- http: use defaultAgent.protocol in protocol check (Nathan Rajlich)
- main: Handle SIGINT properly. (Geir Hauge)
- net: bind to `::` TCP address by default (Fedor Indutny)
- readline: consider newlines for cursor position (Yazhong Liu)
- stream: split `objectMode` for Duplex (Vladimir Kurchatkin)
- tls: `getPeerCertificate(detailed)` (Fedor Indutny)
- tls: do not call SNICallback unless present (Fedor Indutny)
- tls: force readable/writable to `true` (Fedor Indutny)
- tls: support OCSP on client and server (Fedor Indutny)
- util: made util.isArray a direct alias for Array.isArray (Evan Carroll)

2014.03.11, Version 0.11.12 (Unstable)

<https://github.com/nodejs/node/commit/7d6b8db40f32e817ff145b7cfe6b3aec3179fba7>

- uv: Upgrade to v0.11.22 (Timothy J Fontaine)
- buffer: allow toString to accept Infinity for end (Brian White)
- child_process: add spawnSync/execSync (Bert Belder, Timothy J Fontaine)
- cluster: handle bind errors on Windows (Alexis Campailla)
- contextify: handle infinite recursion errors (Fedor Indutny)
- crypto: allow custom generator for DiffieHellman (Brian White)
- crypto: allow setting add'l authenticated data (Brian White)
- crypto: fix CipherFinal return value check (Brian White)
- crypto: make NewSessionDoneCb public (Fedor Indutny)
- dgram: pass the bytes sent to the send callback (Timothy J Fontaine)
- dns: validate arguments in resolver (Kenan Sulayman)
- dns: verify argument is valid function in resolve (Kenan Sulayman)
- http: avoid duplicate keys in writeHead (David Björklund)
- net: add localPort to connect options (Timothy J Fontaine)
- node: do not print SyntaxError hints to stderr (Fedor Indutny)
- node: invoke `beforeExit` again if loop was active (Fedor Indutny)
- node: make AsyncListenerInst field more explicit (Trevor Norris)
- os: networkInterfaces include scopeid for ipv6 (Xidorn Quan)
- process: allow changing `exitCode` in `on('exit')` (Fedor Indutny)
- readline: fix `line` event, if input emit 'end' (Yazhong Liu)
- src: add tracing.v8.on('gc') statistics hooks (Ben Noordhuis)
- src: add v8.getHeapStatistics() function (Ben Noordhuis)
- src: emit 'beforeExit' event on process object (Ben Noordhuis)
- src: move AsyncListener from process to tracing (Trevor Norris)
- tls: fix crash in SNICallback (Fedor Indutny)
- tls: introduce asynchronous `newSession` (Fedor Indutny)
- util: show meaningful values for boxed primitives (Nathan Rajlich)
- vm: don't copy Proxy object from parent context (Ben Noordhuis)
- windows: make stdout/stderr pipes blocking (Alexis Campailla)
- zlib: add sync versions for convenience methods (Nikolai Vavilov)

2014.01.29, Version 0.11.11 (Unstable)

<https://github.com/nodejs/node/commit/b46e77421581ea358e221a8a843d057c747f7e90>

- v8: Upgrade to 3.22.24.19
- http_parser: Upgrade to 2.2.1
- openssl: Upgrade to 1.0.1f
- uv: Upgrade to 0.11.18
- async-listener: revamp of subsystem (Trevor Norris)
- node: do not ever close stdio (Fedor Indutny)
- http: use writev on chunked encoding (Trevor Norris)
- async_wrap/timers: remove Add/RemoveAsyncListener (Trevor Norris)
- child_process: better error reporting for exec (Fedor Indutny)
- crypto: add newline to cert and key if not present (Fedor Indutny)
- crypto: clear error in GetPeerCertificate (Fedor Indutny)
- crypto: honor default ciphers in client mode (Jacob Hoffman-Andrews)
- crypto: introduce .setEngine(engine, [flags]) (Fedor Indutny)
- crypto: support custom pbkdf2 digest methods (Ben Noordhuis)
- domain: fix off-by-one in Domain.exit() (Ryan Graham)
- http: concatenate duplicate headers by default (Alex Kocharin)
- http: do not emit EOF non-readable socket (Fedor Indutny)
- node: fix argument parsing with -p arg (Alexis Campailla)
- path: improve POSIX path.join() performance (Jo Liss)
- tls: emit `clientError` on early socket close (Fedor Indutny)
- tls: introduce `.setMaxSendFragment(size)` (Fedor Indutny)
- tls: make cert/pfx optional in `tls.createServer()` (Ben Noordhuis)
- tls: process accumulated input (Fedor Indutny)
- tls: show human-readable error messages (Ben Noordhuis)
- util: handle escaped forward slashes correctly (Tom Gallacher)

2013.12.31, Version 0.11.10 (Unstable)

<https://github.com/nodejs/node/commit/66931791f06207d1cdfea5ec1529edf3c94026d3>

- http_parser: update to 2.2
- uv: Upgrade to v0.11.17
- v8: Upgrade to 3.22.24.10
- buffer: optimize writeInt* methods (Paul Loyd)
- child_process: better error handling (Alexis Campailla)
- cluster: do not synchronously emit 'setup' event (Sam Roberts)
- cluster: restore backwards compatibility and various fixes (Sam Roberts)
- crypto: remove unnecessary OpenSSL_add_all_digests (Yorkie)
- crypto: support GCM authenticated encryption mode. (Ingmar Runge)
- dns: add resolveSoa and 'SOA' rrtype (Tuğrul Topuz)
- events: move EE c'tor guts to EventEmitter.init (Bert Belder)
- http: DELETE shouldn't default to chunked encoding (Lalit Kapoor)
- http: parse the status message in a http response. (Cam Swords)
- node: fix removing AsyncListener in callback (Vladimir Kurchatkin)
- node: follow specification, zero-fill ArrayBuffers (Trevor Norris)
- openssl: use ASM optimized routines (Fedor Indutny)

- process: allow nextTick infinite recursion (Trevor Norris)
- querystring: remove `name` from `stringify()` (Yorkie)
- timers: setImmediate v8 optimization fix (pflannery)
- tls: add serialNumber to `getPeerCertificate()` (Ben Noordhuis)
- tls: reintroduce `socket.encrypted` (Fedor Indutny)
- tls: fix handling of asterisk in SNI context (Fedor Indutny)
- util: Format negative zero as `'-0'` (David Chan)
- vm: fix race condition in timeout (Alexis Campailla)
- windows: fix dns lookup of localhost with ipv6 (Alexis Campailla)

2013.11.20, Version 0.11.9 (Unstable)

<https://github.com/nodejs/node/commit/dcf032bdd69dfb38c120e18438d6316ae522edc>

- uv: upgrade to v0.11.15 (Timothy J Fontaine)
- v8: upgrade to 3.22.24.5 (Timothy J Fontaine)
- buffer: remove warning when no encoding is passed (Trevor Norris)
- build: make v8 use random seed for hash tables (Ben Noordhuis)
- crypto: build with shared openssl without NPN (Ben Noordhuis)
- crypto: update root certificates (Ben Noordhuis)
- debugger: pass on v8 debug switches (Ben Noordhuis)
- domain: use AsyncListener API (Trevor Norris)
- fs: add recursive subdirectory support to `fs.watch` (Nick Simmons)
- fs: make `fs.watch()` non-recursive by default (Ben Noordhuis)
- http: cleanup freeSockets when socket destroyed (fengmk2)
- http: force socket encoding to be null (isaacs)
- http: make DELETE requests set `req.method` (Nathan Rajlich)
- node: add AsyncListener support (Trevor Norris)
- src: remove global HandleScope that hid memory leaks (Ben Noordhuis)
- tls: add ECDH ciphers support (Erik Dubbelboer)
- tls: do not default to 'localhost' servername (Fedor Indutny)
- tls: more accurate wrapping of connecting socket (Fedor Indutny)

2013.10.30, Version 0.11.8 (Unstable)

<https://github.com/nodejs/node/commit/f8d86e24f3463c36f7f3f4c3b3ec779e5b6201e1>

- uv: Upgrade to v0.11.14
- v8: upgrade 3.21.18.3
- assert: indicate if exception message is generated (Glen Mailer)
- buffer: add `buf.toArrayBuffer()` API (Trevor Norris)
- cluster: fix premature 'disconnect' event (Ben Noordhuis)
- crypto: add SPKAC support (Jason Gerfen)
- debugger: count space for line numbers correctly (Alex Kocharin)
- debugger: make busy loops SIGUSR1-interruptible (Ben Noordhuis)
- debugger: repeat last command (Alex Kocharin)
- debugger: show current line, fix for [#6150](#) (Alex Kocharin)
- dgram: `send()` can accept strings (Trevor Norris)
- dns: rename domain to hostname (Ben Noordhuis)
- dns: set hostname property on error object (Ben Noordhuis)

- dtrace, mdb_v8: support more string, frame types (Dave Pacheco)
- http: add statusMessage (Patrik Stutz)
- http: expose supported methods (Ben Noordhuis)
- http: provide backpressure for pipeline flood (isaacs)
- process: Add exitCode property (isaacs)
- tls: socket.renegotiate(options, callback) (Fedor Indutny)
- util: format as Error if instanceof Error (Rod Vagg)

2013.08.21, Version 0.11.7 (Unstable)

<https://github.com/nodejs/node/commit/be52549bfa5311208b5fcd3ba09210460fa9ceb>

- uv: upgrade to v0.11.13
- v8: upgrade to 3.20.17
- buffer: adhere to INSPECT_MAX_BYTES (Timothy J Fontaine)
- buffer: fix regression for large buffer creation (Trevor Norris)
- buffer: don't throw if slice length too long (Trevor Norris)
- buffer: Buffer(buf) constructor copies into the proper buffer (Ben Noordhuis)
- cli: remove --max-stack-size (Ben Noordhuis)
- cli: unknown command line options are errors (Ben Noordhuis)
- child_process: exec accept buffer as an encoding (Seth Fitzsimmons)
- crypto: make randomBytes/pbkdf2 callbacks domain aware (Ben Noordhuis)
- domain: deprecate domain.dispose(). (Forrest L Norvell)
- fs: Expose birthtime on stat objects (isaacs)
- http: Only send connection:keep-alive if necessary (isaacs)
- repl: Catch syntax errors better (isaacs, Nathan Rajlich)
- stream: change default highWaterMark for objectMode to 16 (Mathias Buus)
- stream: make setEncoding/pause/resume chainable (Julian Gruber, isaacs)
- util: pass opts to custom inspect functions (Timothy J Fontaine)
- vm: rewritten to behave like Contextify (Domenic Denicola)

2013.08.21, Version 0.11.6 (Unstable)

<https://github.com/nodejs/node/commit/04018d4b3938fd30ba14822e79195e4af2be36f6>

- uv: Upgrade to v0.11.8
- v8: upgrade v8 to 3.20.14.1
- build: disable SSLv2 by default (Ben Noordhuis)
- build: don't auto-destroy existing configuration (Ben Noordhuis)
- crypto: add TLS 1.1 and 1.2 to secureProtocol list (Matthias Bartelmeß)
- crypto: fix memory leak in randomBytes() error path (Ben Noordhuis)
- dgram: don't call into js when send cb is omitted (Ben Noordhuis)
- dgram: fix regression in string argument handling (Ben Noordhuis)
- domains: performance improvements (Trevor Norris)
- events: EventEmitter = require('events') (Jake Verbaton)
- http: Add write()/end() callbacks (isaacs)
- http: Consistent 'finish' event semantics (isaacs)
- http: Prefer 'binary' over 'ascii' (isaacs)
- http: Support legacy agent.addRequest API (isaacs)
- http: Write hex/base64 chunks properly (isaacs)
- http: add agent.maxFreeSockets option (isaacs)

- http: provide access to raw headers/trailers (isaacs)
- http: removed headers stay removed (James Halliday)
- http,timers: improve callback performance (Ben Noordhuis)
- net: family option in net.connect (Vsevolod Strukchinsky)
- readline: pause stdin before turning off terminal raw mode (Daniel Chatfield)
- smalloc: allow different external array types (Trevor Norris)
- smalloc: expose ExternalArraySize (Trevor Norris)
- stream: Short-circuit buffer pushes when flowing (isaacs)
- tls: handle errors on socket before releasing it (Fedor Indutny)
- util: fix isPrimitive check (Trevor Norris)
- util: isObject should always return boolean (Trevor Norris)

2013.08.06, Version 0.11.5 (Unstable)

<https://github.com/nodejs/node/commit/6f92da2dd106b0c63fde563284f83e08e2a521b5>

- v8: upgrade to 3.20.11
- uv: upgrade to v0.11.7
- buffer: return offset for end of last write (Trevor Norris)
- build: embed the mdb_v8.so into the binary (Timothy J Fontaine)
- build: fix --without-ssl build (Ben Noordhuis)
- child_process: add 'shell' option to .exec() (Ben Noordhuis)
- dgram: report send errors to cb, don't pass bytes (Ben Noordhuis)
- fs: write strings directly to disk (Trevor Norris)
- https: fix default port (Koichi Kobayashi)
- openssl: use asm for sha, md5, rmd (Fedor Indutny)
- os: add mac address to networkInterfaces() output (Brian White)
- smalloc: introduce smalloc module (Trevor Norris)
- stream: Simplify flowing, passive data listening (streams3) (isaacs)
- tls: asynchronous SNICallback (Fedor Indutny)
- tls: share tls tickets key between cluster workers (Fedor Indutny)
- util: don't throw on circular %j input to format() (Ben Noordhuis)

2013.07.12, Version 0.11.4 (Unstable)

<https://github.com/nodejs/node/commit/b5b84197ed037918fd1a26e5cb87cce7c812ca55>

- npm: Upgrade to 1.3.4
- v8: Upgrade to v3.20.2
- c-ares: Upgrade to piscisaureus/cares@805d153
- timers: setImmediate process full queue each turn (Ben Noordhuis)
- http: Add agent.get/request methods (isaacs)
- http: Proper KeepAlive behavior (isaacs)
- configure: fix the --without-ssl option (Nathan Rajlich)
- buffer: propagate originating parent (Trevor Norris)
- tls_wrap: return Error not throw for missing cert (Timothy J Fontaine)
- src: enable native v8 typed arrays (Ben Noordhuis)
- stream: objectMode transform should allow falsey values (Jeff Barczewski)
- slab_allocator: remove SlabAllocator (Trevor Norris)
- crypto: fix memory leak in LoadPKCS12 (Fedor Indutny)
- tls: export TLSSocket (Fedor Indutny)

- zlib: allow changing of level and strategy (Brian White)
- zlib: allow custom flush type for flush() (Brian White)

2013.06.26, Version 0.11.3 (Unstable)

<https://github.com/nodejs/node/commit/38c0c47bbe280ddc42054418091571e532d82a1e>

- uv: Upgrade to v0.11.5
- c-ares: upgrade to 1.10.0
- v8: upgrade to v3.19.13
- punycode: update to v1.2.3 (Mathias Bynens)
- debugger: break on uncaught exception (Miroslav Bajtos)
- child_process: emit 'disconnect' asynchronously (Ben Noordhuis)
- dtrace: enable uv's probes if enabled (Timothy J Fontaine)
- dtrace: unify dtrace and systemtap interfaces (Timothy J Fontaine)
- buffer: New API for backing data store (Trevor Norris)
- buffer: return `this` in fill() for chainability (Brian White)
- build: fix include order for building on windows (Timothy J Fontaine)
- build: add android support (Linus Mårtensson)
- readline: strip ctrl chars for prompt width calc (Krzysztof Chrapka)
- tls: introduce TLSSocket based on tls_wrap binding (Fedor Indutny)
- tls: add localAddress and localPort properties (Ben Noordhuis)
- crypto: free excessive memory in NodeBIO (Fedor Indutny)
- process: remove maxTickDepth (Trevor Norris)
- timers: use uv_now instead of Date.now (Timothy J Fontaine)
- util: Add debuglog, deprecate console lookalikes (isaacs)
- module: use path.sep instead of a custom solution (Robert Kowalski)
- http: don't escape request path, reject bad chars (Ben Noordhuis)
- net: emit dns 'lookup' event before connect (Ben Noordhuis)
- dns: add getServers and setServers (Timothy J Fontaine)

2013.05.13, Version 0.11.2 (Unstable)

<https://github.com/nodejs/node/commit/5d3dc0e4c3369dfb00b7b13e08936c2e652fa696>

- uv: Upgrade to 0.11.2
- V8: Upgrade to 3.19.0
- npm: Upgrade to 1.2.21
- build: Makefile should respect configure --prefix (Timothy J Fontaine)
- cluster: use round-robin load balancing (Ben Noordhuis)
- debugger, cluster: each worker has new debug port (Miroslav Bajtoš)
- debugger: `restart` with custom debug port (Miroslav Bajtoš)
- debugger: breakpoints in scripts not loaded yet (Miroslav Bajtoš)
- event: EventEmitter#setMaxListeners() returns this (Sam Roberts)
- events: add EventEmitter.defaultMaxListeners (Ben Noordhuis)
- install: Support \$(PREFIX) install target directory prefix (Olof Johansson)
- os: Include netmask in os.networkInterfaces() (Ben Kelly)
- path: add path.isAbsolute(path) (Ryan Doenges)
- stream: Guarantee ordering of 'finish' event (isaacs)
- streams: introduce .cork/.uncork/.writev (Fedor Indutny)

- vm: add support for timeout argument (Andrew Paprocki)

2013.04.19, Version 0.11.1 (Unstable)

<https://github.com/nodejs/node/commit/4babd2b46ebf9f9bea2c9946af5cfae25a33b2b22>

- V8: upgrade to 3.18.0
- uv: Upgrade to v0.11.1
- http: split into multiple separate modules (Timothy J Fontaine)
- http: escape unsafe characters in request path (Ben Noordhuis)
- url: Escape all unwise characters (isaacs)
- build: depend on v8 postmortem-metadata if enabled (Paddy Byers)
- etw: update prototypes to match dtrace provider (Timothy J Fontaine)
- buffer: change output of Buffer.prototype.toJSON() (David Braun)
- dtrace: actually use the _handle.fd value (Timothy J Fontaine)
- dtrace: pass more arguments to probes (Dave Pacheco)
- build: allow building with dtrace on osx (Dave Pacheco)
- zlib: allow passing options to convenience methods (Kyle Robinson Young)

2013.03.28, Version 0.11.0 (Unstable)

<https://github.com/nodejs/node/commit/bce38b3d74e64fcb7d04a2dd551151da6168cdc5>

- V8: update to 3.17.13
- os: use %SystemRoot% or %windir% in os.tmpdir() (Suwon Chae)
- util: fix util.inspect() line width calculation (Marcin Kostrzewa)
- buffer: remove _charsWritten (Trevor Norris)
- fs: uv_[f]stat now reports subsecond resolution (Timothy J Fontaine)
- fs: Throw if error raised and missing callback (bnoordhuis)
- tls: expose SSL_CTX_set_timeout via tls.createServer (Manav Rathi)
- tls: remove harmful unnecessary bounds checking (Marcel Laverdet)
- buffer: write ascii strings using WriteOneByte (Trevor Norris)
- dtrace: fix generation of v8 constants on freebsd (Fedor Indutny)
- dtrace: x64 ustack helper (Fedor Indutny)
- readline: handle wide characters properly (Nao Iizuka)
- repl: Use a domain to catch async errors safely (isaacs)
- repl: emit 'reset' event when context is reset (Sami Samhuri)
- util: custom inspect() method may return an Object (Nathan Rajlich)
- console: console.dir() bypasses inspect() methods (Nathan Rajlich)

2013.03.06, Version 0.9.12 (Unstable)

<https://github.com/nodejs/node/commit/0debf5a82934da805592b6496756cdf27c993abc>

- stream: Allow strings in Readable.push/unshift (isaacs)
- stream: Remove bufferSize option (isaacs)
- stream: Increase highWaterMark on large reads (isaacs)
- stream: _write: takes an encoding argument (isaacs)
- stream: _transform: remove output() method, provide encoding (isaacs)
- stream: Don't require read(0) to emit 'readable' event (isaacs)

- node: Add --throw-deprecation (isaacs)
- http: fix multiple timeout events (Eugene Girshov)
- http: More useful setTimeout API on server (isaacs)
- net: use close callback, not process.nextTick (Ben Noordhuis)
- net: Provide better error when writing after FIN (isaacs)
- dns: Support NAPTR queries (Pavel Lang)
- dns: fix ReferenceError in resolve() error path (Xidorn Quan)
- child_process: handle ENOENT correctly on Windows (Scott Blomquist)
- cluster: Rename destroy() to kill(signal=SIGTERM) (isaacs)
- build: define nightly tag external to build system (Timothy J Fontaine)
- build: make msi build work when spaces are present in the path (Bert Belder)
- build: fix msi build issue with WiX 3.7/3.8 (Raymond Feng)
- repl: make compatible with domains (Dave Olszewski)
- events: Code cleanup and performance improvements (Trevor Norris)

2013.03.01, Version 0.9.11 (Unstable)

<https://github.com/nodejs/node/commit/83392403b7a9b7782b37c17688938c75010f81ba>

- V8: downgrade to 3.14.5
- openssl: update to 1.0.1e
- darwin: Make process.title work properly (Ben Noordhuis)
- fs: Support mode/flag options to read/append/writeFile (isaacs)
- stream: _read() no longer takes a callback (isaacs)
- stream: Add stream.unshift(chunk) (isaacs)
- stream: remove lowWaterMark feature (isaacs)
- net: omit superfluous 'connect' event (Ben Noordhuis)
- build, windows: disable SEH (Ben Noordhuis)
- core: remove errno global (Ben Noordhuis)
- core: Remove the nextTick for running the main file (isaacs)
- core: Mark exit() calls with status codes (isaacs)
- core: Fix debug signal handler race condition lock (isaacs)
- crypto: clear error stack (Ben Noordhuis)
- test: optionally set common.PORT via env variable (Timothy J Fontaine)
- path: Throw TypeError on non-string args to path.resolve/join (isaacs, Arianit Uka)
- crypto: fix uninitialized memory access in openssl (Ben Noordhuis)

2013.02.19, Version 0.9.10 (Unstable)

- V8: Upgrade to 3.15.11.15
- npm: Upgrade to 1.2.12
- fs: Change default WriteStream config, increase perf (isaacs)
- process: streamlining tick callback logic (Trevor Norris)
- stream_wrap, udp_wrap: add read-only fd property (Ben Noordhuis)
- buffer: accept negative indices in Buffer#slice() (Ben Noordhuis)
- tls: Cycle data when underlying socket drains (isaacs)
- stream: read(0) should not always trigger _read(n,cb) (isaacs)
- stream: Empty strings/buffers do not signal EOF any longer (isaacs)
- crypto: improve cipher/decipher error messages (Ben Noordhuis)
- net: Respect the 'readable' flag on sockets (isaacs)

- net: don't suppress ECONNRESET (Ben Noordhuis)
- typed arrays: copy Buffer in typed array constructor (Ben Noordhuis)
- typed arrays: make DataView throw on non-ArrayBuffer (Ben Noordhuis)
- windows: MSI installer enhancements (Scott Blomquist, Jim Schubert)

2013.02.07, Version 0.9.9 (Unstable)

<https://github.com/nodejs/node/commit/4b9f0d190cd6b22853caeb0e07145a98ce1d1d7f>

- tls: port CryptoStream to streams2 (Fedor Indutny)
- typed arrays: only share ArrayBuffer backing store (Ben Noordhuis)
- stream: make Writable#end() accept a callback function (Nathan Rajlich)
- buffer: optimize 'hex' handling (Ben Noordhuis)
- dns, cares: don't filter NOTIMP, REFUSED, SERVFAIL (Ben Noordhuis)
- readline: treat bare \r as a line ending (isaacs)
- readline: make \r\n emit one 'line' event (Ben Noordhuis)
- cluster: support datagram sockets (Bert Belder)
- stream: Correct Transform class backpressure (isaacs)
- addon: Pass module object to NODE_MODULE init function (isaacs, Rod Vagg)
- buffer: slow buffer copy compatibility fix (Trevor Norris)
- Add bytesWritten to tls.CryptoStream (Andy Burke)

2013.01.24, Version 0.9.8 (Unstable)

<https://github.com/nodejs/node/commit/5f2f8400f665dc32c3e10e7d31d53d756ded9156>

- npm: Upgrade to v1.2.3
- V8: Upgrade to 3.15.11.10
- streams: Support objects other than Buffers (Jake Verbaten)
- buffer: remove float write range checks (Trevor Norris)
- http: close connection on 304/204 responses with chunked encoding (Ben Noordhuis)
- build: fix build with dtrace support on FreeBSD (Fedor Indutny)
- console: Support formatting options in trace() (isaacs)
- domain: empty stack on all exceptions (Dave Olszewski)
- unix, windows: make uv_*_bind() error codes consistent (Andrius Bentkus)
- linux: add futimes() fallback (Ben Noordhuis)

2013.01.18, Version 0.9.7 (Unstable)

<https://github.com/nodejs/node/commit/9e7bebeb8305edd55735a95955a98fdb47572e5>

- V8: Upgrade to 3.15.11.7
- npm: Upgrade to 1.2.2
- punycode: Upgrade to 1.2.0 (Mathias Bynens)
- repl: make built-in modules available by default (Felix Böhm)
- windows: add support for '_Total' perf counters (Scott Blomquist)
- cluster: make --prof work for workers (Ben Noordhuis)
- child_process: do not keep list of sent sockets (Fedor Indutny)
- tls: Follow RFC6125 more strictly (Fedor Indutny)
- buffer: floating point read/write improvements (Trevor Norris)
- TypedArrays: Improve dataview perf without endian param (Dean McNamee)

- module: assert require() called with a non-empty string (Felix Böhm, James Campos)
- stdio: Set readable/writable flags properly (isaacs)
- stream: Properly handle large reads from push-streams (isaacs)

2013.01.11, Version 0.9.6 (Unstable)

<https://github.com/nodejs/node/commit/9313fdc71ca8335d5e3a391c103230ee6219b3e2>

- V8: update to 3.15.11.5
- node: remove ev-emul.h (Ben Noordhuis)
- path: make basename and extname ignore trailing slashes (Bert Belder)
- typed arrays: fix sunos signed/unsigned char issue (Ben Noordhuis)
- child_process: Fix {stdio:'inherit'} regression (Ben Noordhuis)
- child_process: Fix pipe() from child stdio streams (Maciej Małecki)
- child_process: make fork() execPath configurable (Bradley Meck)
- stream: Add readable.push(chunk) method (isaacs)
- dtrace: x64 ustack helper (Fedor Indutny)
- repl: fix floating point number parsing (Nirk Niggler)
- repl: allow overriding builtins (Ben Noordhuis)
- net: add localAddress and localPort to Socket (James Hight)
- fs: make pool size coincide with ReadStream bufferSize (Shigeki Ohtsu)
- typed arrays: implement load and store swizzling (Dean McNamee)
- windows: fix perfctr crash on XP and 2003 (Scott Blomquist)
- dgram: fix double implicit bind error (Ben Noordhuis)

2012.12.30, Version 0.9.5 (Unstable)

<https://github.com/nodejs/node/commit/01994e8119c24f2284bac0779b32acb49c95bee7>

- assert: improve support for new execution contexts (lukebayes)
- domain: use camelCase instead of snake_case (isaacs)
- domain: Do not use uncaughtException handler (isaacs)
- fs: make 'end' work with ReadStream without 'start' (Ben Noordhuis)
- https: optimize createConnection() (Ryunosuke SATO)
- buffer: speed up base64 encoding by 20% (Ben Noordhuis)
- doc: Colorize API stability index headers in docs (Luke Arduini)
- net: socket.readyState corrections (bentaber)
- http: Performance enhancements for http under streams2 (isaacs)
- stream: fix to emit end event on http.ClientResponse (Shigeki Ohtsu)
- stream: fix event handler leak in readstream pipe and unpipe (Andreas Madsen)
- build: Support ./configure --tag switch (Maciej Małecki)
- repl: don't touch require.cache (Nathan Rajlich)
- node: Emit 'exit' event when exiting for an uncaught exception (isaacs)

2012.12.21, Version 0.9.4 (Unstable)

<https://github.com/nodejs/node/commit/d86d83c75f6343b5368bb7bd328b4466a035e1d4>

- streams: Update all streaming interfaces to use new classes (isaacs)
- node: remove idle gc (Ben Noordhuis)
- http: protect against response splitting attacks (Bert Belder)

- fs: Raise error when null bytes detected in paths (isaacs)
- fs: fix 'object is not a function' callback errors (Ben Noordhuis)
- fs: add autoClose=true option to fs.createReadStream (Farid Neshat)
- process: add getgroups(), setgroups(), initgroups() (Ben Noordhuis)
- openssl: optimized asm code on x86 and x64 (Bert Belder)
- crypto: fix leak in GetPeerCertificate (Fedor Indutny)
- add systemtap support (Jan Wynholds)
- windows: add ETW and PerfCounters support (Scott Blomquist)
- windows: fix normalization of UNC paths (Bert Belder)
- crypto: fix ssl error handling (Sergey Kholodilov)
- node: remove eio-emul.h (Ben Noordhuis)
- os: add os.endianness() function (Nathan Rajlich)
- readline: don't emit "line" events with a trailing '\n' char (Nathan Rajlich)
- build: add configure option to generate xcode build files (Timothy J Fontaine)
- build: allow linking against system libuv, cares, http_parser (Stephen Gallagher)
- typed arrays: add slice() support to ArrayBuffer (Anthony Pesch)
- debugger: exit and kill child on SIGTERM or SIGHUP (Fedor Indutny)
- url: url.format escapes delimiters in path and query (J. Lee Coltrane)

2012.10.24, Version 0.9.3 (Unstable)

<https://github.com/nodejs/node/commit/1ed4c6776e4f52956918b70565502e0f8869829d>

- V8: Upgrade to 3.13.7.4
- crypto: Default to buffers instead of binary strings (isaacs, Fedor Indutny)
- crypto: add getHashes() and getCiphers() (Ben Noordhuis)
- unix: add custom thread pool, remove libeio (Ben Noordhuis)
- util: make `inspect()` accept an "options" argument (Nathan Rajlich)
- https: fix renegotiation attack protection (Ben Noordhuis)
- cluster: make 'listening' handler see actual port (Aaditya Bhatia)
- windows: use USERPROFILE to get the user's home dir (Bert Belder)
- path: add platform specific path delimiter (Paul Serby)
- http: add response.headersSent property (Pavel Lang)
- child_process: make .fork()'d child auto-exit (Ben Noordhuis)
- events: add 'removeListener' event (Ben Noordhuis)
- string_decoder: Add 'end' method, do base64 properly (isaacs)
- buffer: include encoding value in exception when invalid (Ricky Ng-Adam)
- http: make http.ServerResponse no longer emit 'end' (isaacs)
- streams: fix pipe is destructed by 'end' from destination (koichik)

2012.09.17, Version 0.9.2 (Unstable)

<https://github.com/nodejs/node/commit/6e2055889091a424fbb5c500bc3ab9c05d1c28b4>

- http_parser: upgrade to ad3b631
- openssl: upgrade 1.0.1c
- darwin: use FSEvents to watch directory changes (Fedor Indutny)
- unix: support missing API on NetBSD (Shigeki Ohtsu)
- unix: fix EMFILE busy loop (Ben Noordhuis)
- windows: un-break writable tty handles (Bert Belder)

- windows: map WSAESHUTDOWN to UV_EPIPE (Bert Belder)
- windows: make spawn with custom environment work again (Bert Belder)
- windows: map ERROR_DIRECTORY to UV_ENOENT (Bert Belder)
- tls, https: validate server certificate by default (Ben Noordhuis)
- tls, https: throw exception on missing key/cert (Ben Noordhuis)
- tls: async session storage (Fedor Indutny)
- installer: don't install header files (Ben Noordhuis)
- buffer: implement Buffer.prototype.toJSON() (Nathan Rajlich)
- buffer: added support for writing NaN and Infinity (koichik)
- http: make http.ServerResponse emit 'end' (Ben Noordhuis)
- build: ./configure --ninja (Ben Noordhuis, Timothy J Fontaine)
- installer: fix --without-npm (Ben Noordhuis)
- cli: make -p equivalent to -pe (Ben Noordhuis)
- url: Go much faster by using Url class (isaacs)

2012.08.28, Version 0.9.1 (Unstable)

<https://github.com/nodejs/node/commit/e6ce259d2caf338fec991c2dd447de763ce99ab7>

- buffer: Add Buffer.isEncoding(enc) to test for valid encoding values (isaacs)
- Raise UV_ECANCELED on premature close. (Ben Noordhuis)
- Remove c-ares from libuv, move to a top-level node dependency (Bert Belder)
- ref/unref for all HandleWraps, timers, servers, and sockets (Timothy J Fontaine)
- addon: remove node-waf, superseded by node-gyp (Ben Noordhuis)
- child_process: emit error on exec failure (Ben Noordhuis)
- cluster: do not use internal server API (Andreas Madsen)
- constants: add O_DIRECT (Ian Babrou)
- crypto: add sync interface to crypto.pbkdf2() (Ben Noordhuis)
- darwin: emulate fdasync() (Fedor Indutny)
- dgram: make .bind() always asynchronous (Ben Noordhuis)
- events: Make emitter.listeners() side-effect free (isaacs, Joe Andaverde)
- fs: Throw early on invalid encoding args (isaacs)
- fs: fix naming of truncate/truncate functions (isaacs)
- http: bubble up parser errors to ClientRequest (Brian White)
- linux: improve cpuinfo parser on ARM and MIPS (Ben Noordhuis)
- net: add support for IPv6 addresses ending in :: (Josh Erickson)
- net: support Server.listen(Pipe) (Andreas Madsen)
- node: don't scan add-on for "init" symbol (Ben Noordhuis)
- remove process.uvCounters() (Ben Noordhuis)
- repl: console writes to repl rather than process stdio (Nathan Rajlich)
- timers: implement setImmediate (Timothy J Fontaine)
- tls: fix segfault in pummel/test-tls-ci-reneg-attack (Ben Noordhuis)
- tools: Move gyp addon tools to node-gyp (Nathan Rajlich)
- unix: preliminary signal handler support (Ben Noordhuis)
- unix: remove dependency on ev_child (Ben Noordhuis)
- unix: work around darwin bug, don't poll() on pipe (Fedor Indutny)
- util: Formally deprecate util.pump() (Ben Noordhuis)
- windows: make active and closing handle state independent (Bert Belder)
- windows: report spawn errors to the exit callback (Bert Belder)
- windows: signal handling support with uv_signal_t (Bert Belder)

2012.07.20, Version 0.9.0 (Unstable)

<https://github.com/nodejs/node/commit/f9b237f478c372fd55e4590d7399dcd8f25f3603>

- punycode: update to v1.1.1 (Mathias Bynens)
- c-ares: upgrade to 1.9.0 (Saúl Ibarra Corretgé)
- dns: ignore rogue DNS servers reported by windows (Saúl Ibarra Corretgé)
- unix: speed up uv_async_send() (Ben Noordhuis)
- darwin: get cpu model correctly on mac (Xidorn Quan)
- nextTick: Handle tick callbacks before any other I/O (isaacs)
- Enable color customization of `util.inspect` (Pavel Lang)
- tls: Speed and memory improvements (Fedor Indutny)
- readline: Use one history item for reentered line (Vladimir Beloborodov)
- Fix [#3521](#) Make process.env more like a regular Object (isaacs)

2013.06.13, Version 0.8.25 (maintenance)

<https://github.com/nodejs/node/commit/0b9bdb2bc7e1c872f0ea4713517fda22a4b0b202>

- npm: Upgrade to 1.2.30
- child_process: fix handle delivery (Ben Noordhuis)

2013.06.04, Version 0.8.24 (maintenance)

<https://github.com/nodejs/node/commit/c1a1ab067721ea17ef7b05ec5c68b01321017f05>

- npm: Upgrade to v1.2.24
- url: Properly parse certain oddly formed urls (isaacs)
- http: Don't try to destroy nonexistent sockets (isaacs)
- handle_wrap: fix NULL pointer dereference (Ben Noordhuis)

2013.04.09, Version 0.8.23 (maintenance)

<https://github.com/nodejs/node/commit/c67f8d0500fe15637a623eb759d2ad7eb9fb3b0b>

- npm: Upgrade to v1.2.18
- http: Avoid EE warning on ECONNREFUSED handling (isaacs)
- tls: Re-enable check of CN-ID in cert verification (Tobias Müllerleile)
- child_process: fix sending utf-8 to child process (Ben Noordhuis)
- crypto: check key type in GetPeerCertificate() (Ben Noordhuis)
- win/openssl: mark assembled object files as seh safe (Bert Belder)
- windows/msi: fix msi build issue with WiX 3.7/3.8 (Raymond Feng)

2013.03.07, Version 0.8.22 (Stable)

<https://github.com/nodejs/node/commit/67a4cb4fe8c2346e30ffb83f7178e205cc2dab33>

- npm: Update to 1.2.14
- cluster: propagate bind errors (Ben Noordhuis)
- crypto: don't assert when calling Cipher#final() twice (Ben Noordhuis)
- build, windows: disable SEH (Ben Noordhuis)

2013.02.25, Version 0.8.21 (Stable)

<https://github.com/nodejs/node/commit/530d8c05d4c546146f18e5ba811d7eb3b7b7c0c5>

- http: Do not free the wrong parser on socket close (isaacs)
- http: Handle hangup writes more gently (isaacs)
- zlib: fix assert on bad input (Ben Noordhuis)
- test: add TAP output to the test runner (Timothy J Fontaine)
- unix: Handle EINPROGRESS from domain sockets (Ben Noordhuis)

2013.02.15, Version 0.8.20 (Stable)

<https://github.com/nodejs/node/commit/e10c75579b536581ddd7ae4e2c3bf8a9d550d343>

- npm: Upgrade to v1.2.11
- http: Do not let Agent hand out destroyed sockets (isaacs)
- http: Raise hangup error on destroyed socket write (isaacs)
- http: protect against response splitting attacks (Bert Belder)

2013.02.06, Version 0.8.19 (Stable)

<https://github.com/nodejs/node/commit/53978bdf420622ff0121c63c0338c9e7c2e60869>

- npm: Upgrade to v1.2.10
- zlib: pass object size hint to V8 (Ben Noordhuis)
- zlib: reduce memory consumption, release early (Ben Noordhuis)
- buffer: slow buffer copy compatibility fix (Trevor Norris)
- zlib: don't assert on malformed dictionary (Ben Noordhuis)
- zlib: don't assert on missing dictionary (Ben Noordhuis)
- windows: better ipv6 support (Bert Belder)
- windows: add error mappings related to unsupported protocols (Bert Belder)
- windows: map ERROR_DIRECTORY to UV_ENOENT (Bert Belder)

2013.01.18, Version 0.8.18 (Stable)

<https://github.com/nodejs/node/commit/2c4eef0d972838c51999d32c0d251857a713dc18>

- npm: Upgrade to v1.2.2
- dns: make error message match errno (Dan Milon)
- tls: follow RFC6125 more strictly (Fedor Indutny)
- buffer: reject negative SlowBuffer offsets (Ben Noordhuis)
- install: add simplejson fallback (Chris Dent)
- http: fix "Cannot call method 'emit' of null" (Ben Noordhuis)

2013.01.09, Version 0.8.17 (Stable)

<https://github.com/nodejs/node/commit/c50c33e9397d7a0a8717e8ce7530572907c054ad>

- npm: Upgrade to v1.2.0

- peerDependencies (Domenic Denicola)
- node-gyp v0.8.2 (Nathan Rajlich)
- Faster installs from github user/project shorthands (Nathan Zadoks)
- typed arrays: fix 32 bit size/index overflow (Ben Noordhuis)
- http: Improve performance of single-packet responses (Ben Noordhuis)
- install: fix openbsd man page location (Ben Noordhuis)
- http: bubble up parser errors to ClientRequest (Brian White)

2012.12.13, Version 0.8.16 (Stable)

<https://github.com/nodejs/node/commit/1c9c6277d5cfcaaac8569c0c8f7daa64292048a9>

- npm: Upgrade to 1.1.69
- fs: fix WriteStream/ReadStream fd leaks (Ben Noordhuis)
- crypto: fix leak in GetPeerCertificate (Fedor Indutny)
- buffer: Don't double-negate numeric buffer arg (Trevor Norris)
- net: More accurate IP address validation and IPv6 dotted notation. (Joshua Erickson)

2012.11.26, Version 0.8.15 (Stable)

<https://github.com/nodejs/node/commit/fdf91afb494a7a2fff2913d817f589c191a2c88f>

- npm: Upgrade to 1.1.66 (isaacs)
- linux: use /proc/cpuinfo for CPU frequency (Ben Noordhuis)
- windows: map WSAESHUTDOWN to UV_EPIPE (Ben Noordhuis)
- windows: map ERROR_GEN_FAILURE to UV_EIO (Bert Belder)
- unix: do not set environ unless one is provided (Charlie McConnell)
- domains: don't crash if domain is set to null (Bert Belder)
- windows: fix the x64 debug build (Bert Belder)
- net, tls: fix connect() resource leak (Ben Noordhuis)

2012.10.25, Version 0.8.14 (Stable)

<https://github.com/nodejs/node/commit/b00527fcf05c3d9f>

- events: Don't clobber pre-existing _events obj in EE ctor (isaacs)

2012.10.25, Version 0.8.13 (Stable)

<https://github.com/nodejs/node/commit/ff4c974873f9a7cc6a5b042eb9b6389bb8dde6d6>

- V8: Upgrade to 3.11.10.25
- npm: Upgrade to 1.1.65
- url: parse hostnames that start with - or _ (Ben Noordhuis)
- repl: Fix Windows 8 terminal issue (Bert Belder)
- typed arrays: use signed char for signed int8s (Aaron Jacobs)
- crypto: fix bugs in DiffieHellman (Ben Noordhuis)
- configure: turn on VFPv3 on ARMv7 (Ben Noordhuis)

- Re-enable OpenSSL UI for entering passphrases via tty (Ben Noordhuis)
- repl: ensure each REPL instance gets its own "context" (Nathan Rajlich)

2012.10.12, Version 0.8.12 (Stable)

<https://github.com/nodejs/node/commit/38c72d4e29574dec5205bcf23c2a85efe65331a4>

- npm: Upgrade to 1.1.63
- crypto: Reduce stability index to 2-Unstable (isaacs)
- windows: fix handle leak in uv_fs_utime (Bert Belder)
- windows: fix application crashed popup in debug version (Bert Belder)
- buffer: report proper retained size in profiler (Ben Noordhuis)
- buffer: fix byteLength with UTF-16LE (koichik)
- repl: make "end of input" JSON.parse() errors throw in the REPL (Nathan Rajlich)
- repl: make invalid RegExp modifiers throw in the REPL (Nathan Rajlich)
- http: handle multiple Proxy-Authenticate values (Willi Eggeling)

2012.09.27, Version 0.8.11 (Stable)

<https://github.com/nodejs/node/commit/e1f39468fa580c1e4cb15fac621f87944ee625dc>

- fs: Fix stat() size reporting for large files (Ben Noordhuis)

2012.09.25, Version 0.8.10 (Stable)

<https://github.com/nodejs/node/commit/0bc273da4fcaa79b209ed755ad249a3e7be626a6>

- npm: Upgrade to 1.1.62
- repl: make invalid RegExps throw in the REPL (Nathan Rajlich)
- v8: loosen artificial mmap constraint (Bryan Cantrill)
- process: fix setuid() and setgid() error reporting (Ben Noordhuis)
- domain: Properly exit() on domain disposal (isaacs)
- fs: fix watchFile() missing deletion events (Ben Noordhuis)
- fs: fix assert in fs.watch() (Ben Noordhuis)
- fs: don't segfault on deeply recursive stat() (Ben Noordhuis)
- http: Remove timeout handler when data arrives (Frédéric Germain)
- http: make the client "res" object gets the same domain as "req" (Nathan Rajlich)
- windows: don't blow up when an invalid FD is used (Bert Belder)
- unix: map EDQUOT to UV_ENOSPC (Charlie McConnell)
- linux: improve /proc/cpuinfo parser (Ben Noordhuis)
- win/tty: reset background brightness when color is set to default (Bert Belder)
- unix: put child process stdio fds in blocking mode (Ben Noordhuis)
- unix: fix EMFILE busy loop (Ben Noordhuis)
- sunos: don't set TCP_KEEPALIVE (Ben Noordhuis)
- tls: Use slab allocator for memory management (Fedor Indutny)
- openssl: Use optimized assembly code for x86 and x64 (Bert Belder)

2012.09.11, Version 0.8.9 (Stable)

<https://github.com/nodejs/node/commit/b88c3902b241cf934e75443b934f2033ad3915b1>

- v8: upgrade to 3.11.10.22
- GYP: upgrade to r1477
- npm: Upgrade to 1.1.61
- npm: Don't create world-writable files (isaacs)
- windows: fix single-accept mode for shared server sockets (Bert Belder)
- windows: fix uninitialized memory access in uv_update_time() (Bert Belder)
- windows: don't throw when a signal handler is attached (Bert Belder)
- unix: fix memory leak in udp (Ben Noordhuis)
- unix: map errno ESPIPE (Ben Noordhuis)
- unix, windows: fix memory corruption in fs-poll.c (Ben Noordhuis)
- sunos: fix os.cpus() on x86_64 (Ben Noordhuis)
- child process: fix processes with IPC channel don't emit 'close' (Bert Belder)
- build: add a "--dest-os" option to force a gyp "flavor" (Nathan Rajlich)
- build: set `process.platform` to "sunos" on SunOS (Nathan Rajlich)
- build: fix `make -j` fails after `make clean` (Bearice Ren)
- build: fix openssl configuration for "arm" builds (Nathan Rajlich)
- tls: support unix domain socket/named pipe in tls.connect (Shigeki Ohtsu)
- https: make https.get() accept a URL (koichik)
- http: respect HTTP/1.0 TE header (Ben Noordhuis)
- crypto, tls: Domainify setSNICallback, pbkdf2, randomBytes (Ben Noordhuis)
- stream.pipe: Don't call destroy() unless it's a function (isaacs)

2012.08.22, Version 0.8.8 (Stable)

<https://github.com/nodejs/node/commit/a299c97bbc701f4d460e91214d7bfe7a9589d361>

- V8: upgrade to 3.11.10.19
- npm: upgrade to 1.1.59
- windows: fix uninitialized memory access in uv_update_time() (Bert Belder)
- unix, windows: fix memory corruption in fs-poll.c (Ben Noordhuis)
- unix: fix integer overflow in uv_hrtime (Tim Holy)
- sunos: fix uv_cpu_info() on x86_64 (Ben Noordhuis)
- tls: update default cipher list (Ben Noordhuis)
- unix: Fix llvm and older gcc duplicate symbol warnings (Bert Belder)
- fs: fix use after free in stat watcher (Ben Noordhuis)
- build: Fix using manually compiled gcc on OS X (Nathan Rajlich)
- windows: make junctions work again (Bert Belder)

2012.08.15, Version 0.8.7 (Stable)

<https://github.com/nodejs/node/commit/f640c5d35cba96634cd8176a525a1d876e361a61>

- npm: Upgrade to 1.1.49
- website: download page (Golo Roden)
- crypto: fix uninitialized memory access in openssl (Ben Noordhuis)
- buffer, crypto: fix buffer decoding (Ben Noordhuis)
- build: compile with -fno-tree-vm when gcc >= 4.0 (Ben Noordhuis)
- tls: handle multiple CN fields when verifying cert (Ben Noordhuis)
- doc: remove unused util from child_process (Kyle Robinson Young)
- build: rework -fvisibility=hidden detection (Ben Noordhuis)

- windows: don't duplicate invalid stdio handles (Bert Belder)
- windows: fix typos in process-stdio.c (Bert Belder)

2012.08.07, Version 0.8.6 (Stable)

<https://github.com/nodejs/node/commit/0544a586ca6b6b900a42e164033dbf350765700a>

- npm: Upgrade to v1.1.48
- Add 'make binary' to build binary tarballs for all Unixes (Nathan Rajlich)
- zlib: Emit 'close' on destroy(). (Dominic Tarr)
- child_process: Fix stdout=null when stdio=['pipe'] (Tyler Neylon)
- installer: prevent ETXTBSY errors (Ben Noordhuis)
- installer: honor --without-npm, default install path (Ben Noordhuis)
- net: make pause work with connecting sockets (Bert Belder)
- installer: fix cross-compile installs (Ben Noordhuis)
- net: fix .listen({fd:0}) (Ben Noordhuis)
- windows: map WSANO_DATA to UV_ENOENT (Bert Belder)

2012.08.02, Version 0.8.5 (Stable)

<https://github.com/nodejs/node/commit/9b86a4453f0c76f2707a75c0b2343aba33ec63bc>

- node: tag Encode and friends NODE_EXTERN (Ben Noordhuis)
- fs: fix ReadStream / WriteStream missing callback (Gil Pedersen)
- fs: fix readFileSync("/proc/cpuinfo") regression (Ben Noordhuis)
- installer: don't assume bash is installed (Ben Noordhuis)
- Report errors properly from --eval and stdin (isaacs)
- assert: fix throws() throws an error without message property (koichik)
- cluster: fix libuv assert in net.listen() (Ben Noordhuis)
- build: always link sunos builds with libumem (Trent Mick)
- build: improve armv7 / hard-float detection (Adam Malcontenti-Wilson)
- https: Use host header as effective servername (isaacs)
- sunos: work around OS bug to prevent fs.watch() from spinning (Bryan Cantrill)
- linux: fix 'two watchers, one path' segfault (Ben Noordhuis)
- windows: fix memory leaks in many fs functions (Bert Belder)
- windows: don't allow directories to be opened for writing/appending (Bert Belder)
- windows: make fork() work even when not all stdio handles are valid (Bert Belder)
- windows: make unlink() not remove mount points, and improve performance (Bert Belder)
- build: Sign pkg installer for OS X (isaacs)

2012.07.25, Version 0.8.4 (Stable)

<https://github.com/nodejs/node/commit/f98562fcd7d1cab573ca4dc1612157d6999befd4>

- V8: Upgrade to 3.11.10.17
- npm: Upgrade to 1.1.45
- net: fix Socket({ fd: 42 }) api (Ben Noordhuis)
- readline: Remove event listeners on close (isaacs)
- windows: correctly prep long path for fs.exists(Sync) (Bert Belder)
- debugger: wake up the event loop when a debugger command is dispatched (Peter Rybin)
- tls: verify server's identity (Fedor Indutny)

- net: ignore socket.setTimeout(Infinity or NaN) (Fedor Indutny)

2012.07.19, Version 0.8.3 (Stable)

<https://github.com/nodejs/node/commit/60bf2d6cb33e4ce55604f73889ab840a9de8bdab>

- V8: upgrade to 3.11.10.15
- npm: Upgrade to 1.1.43
- net: fix net.Server.listen({fd:x}) error reporting (Ben Noordhuis)
- net: fix bogus errno reporting (Ben Noordhuis)
- build: Move npm shebang logic into an npm script (isaacs)
- build: fix add-on loading on freebsd (Ben Noordhuis)
- build: disable unsafe optimizations (Ben Noordhuis)
- build: fix spurious mksnapshot crashes for good (Ben Noordhuis)
- build: speed up genv8constants (Dave Pacheco)
- fs: make unwatchFile() remove a specific listener (Ben Noordhuis)
- domain: Remove first arg from intercepted fn (Toshihiro Nakamura)
- domain: Fix memory leak on error (isaacs)
- events: Fix memory leak from removeAllListeners (Nathan Rajlich)
- zlib: Fix memory leak in Unzip class. (isaacs)
- crypto: Fix memory leak in DecipherUpdate() (Ben Noordhuis)

2012.07.09, Version 0.8.2 (Stable)

<https://github.com/nodejs/node/commit/cc6084b9ac5cf1d4fe5e7165b71e8fc05d11be1f>

- npm: Upgrade to 1.1.36
- readline: don't use Function#call() (Nathan Rajlich)
- Code cleanup to pass 'use strict' (Jonas Westerlund)
- module: add filename to require() json errors (TJ Holowaychuk)
- readline: fix for unicode prompts (Tim Macfarlane)
- timers: fix handling of large timeouts (Ben Noordhuis)
- repl: fix passing an empty line inserting "undefined" into the buffer (Nathan Rajlich)
- repl: fix crashes when buffering command (Maciej Małecki)
- build: rename strict_aliasing to node_no_strict_aliasing (Ben Noordhuis)
- build: disable -fstrict-aliasing for any gcc < 4.6.0 (Ben Noordhuis)
- build: detect cc version with -dumpversion (Ben Noordhuis)
- build: handle output of localized gcc or clang (Ben Noordhuis)
- unix: fix memory corruption in freebsd.c (Ben Noordhuis)
- unix: fix 'zero handles, one request' busy loop (Ben Noordhuis)
- unix: fix busy loop on unexpected tcp message (Ben Noordhuis)
- unix: fix EINPROGRESS busy loop (Ben Noordhuis)

2012.06.29, Version 0.8.1 (stable)

<https://github.com/nodejs/node/commit/2134aa3d5c622fc3c3b02ccb713fcde0e0df479a>

- V8: upgrade to v3.11.10.12
- npm: upgrade to v1.1.33

- Support for parallel use of the cache folder
- Retry on registry timeouts or network failures (Trent Mick)
- Reduce 'engines' failures to a warning
- Use new zsh completion if available (Jeremy Cantrell)
- Fix [#3577](#) Un-break require('sys')
- util: speed up formatting of large arrays/objects (Ben Noordhuis)
- windows: make fs.realpathSync() work with UNC paths (Bert Belder)
- build: fix --shared-v8 option (Ben Noordhuis)
- doc: `detached` is a boolean (Andreas Madsen)
- build: use proper python interpreter (Ben Noordhuis)
- build: expand ~ in `./configure --prefix=~/.a/b/c` (Ben Noordhuis)
- build: handle CC env var with spaces (Gabriel de Perthuis)
- build: fix V8 build when compiling with gcc 4.5 (Ben Noordhuis)
- build: fix --shared-v8 option (Ben Noordhuis)
- windows msi: Fix icon issue which caused huge file size (Bert Belder)
- unix: assume that dlopen() may clobber dlerror() (Ben Noordhuis)
- sunos: fix memory corruption bugs (Ben Noordhuis)
- windows: better (f)utimes and (f)stat (Bert Belder)

2012.06.25, Version 0.8.0 (stable)

<https://github.com/nodejs/node/commit/8b8a7a7f9b41e74e1e810d0330738ad06fc302ec>

- V8: upgrade to v3.11.10.10
- npm: Upgrade to 1.1.32
- Deprecate iowatcher (Ben Noordhuis)
- windows: update icon (Bert Belder)
- http: Hush 'MUST NOT have a body' warnings to debug() (isaacs)
- Move blog.nodejs.org content into repository (isaacs)
- Fix [#3503](#): stdin: resume() on pipe(dest) (isaacs)
- crypto: fix error reporting in SetKey() (Fedor Indutny)
- Add --no-deprecation and --trace-deprecation command-line flags (isaacs)
- fs: fix fs.watchFile() (Ben Noordhuis)
- fs: Fix fs.readFile() on pipes (isaacs)
- Rename GYP variable node_use_system_openssl to be consistent (Ryan Dahl)

2012.06.19, Version 0.7.12 (unstable)

<https://github.com/nodejs/node/commit/a72120190a8ffdbcd3d6ad2a2e6ceecd2087111e>

- npm: Upgrade to 1.1.30

- Improved 'npm init'
- Fix the 'cb never called' error from 'oudated' and 'update'
- Add --save-bundle|-B config
- Fix isaacs/npm#2465: Make npm script and windows shims cygwin-aware
- Fix isaacs/npm#2452 Use --save(-dev|-optional) in npm rm
- logstream option to replace removed logfd (Rod Vagg)
- Read default descriptions from README.md files
- Shims to support deprecated ev_* and eio_* methods (Ben Noordhuis)
- #3118 net.Socket: Delay pause/resume until after connect (isaacs)
- #3465 Add ./configure --no-ifaddrs flag (isaacs)
- child_process: add .stdin stream to forks (Fedor Indutny)
- build: fix make install DESTDIR=/path (Ben Noordhuis)
- tls: fix off-by-one error in renegotiation check (Ben Noordhuis)
- crypto: Fix diffie-hellman key generation UTF-8 errors (Fedor Indutny)
- node: change the constructor name of process from EventEmitter to process (Andreas Madsen)
- net: Prevent property access throws during close (Reid Burke)
- querystring: improved speed and code cleanup (Felix Böhm)
- sunos: fix assertion errors breaking fs.watch() (Fedor Indutny)
- unix: stat: detect sub-second changes (Ben Noordhuis)
- add stat() based file watcher (Ben Noordhuis)

2012.06.15, Version 0.7.11 (unstable)

<https://github.com/nodejs/node/commit/1f93aa5d5d207e8bd739d365dbf9ad6dbcc69571>

- V8: Upgrade to v3.11.10
- npm: Upgrade to 1.1.26
- doc: Improve cross-linking in API docs markdown (Ben Kelly)
- Fix #3425: removeAllListeners should delete array (Reid Burke)
- cluster: don't silently drop messages when the write queue gets big (Bert Belder)
- Add Buffer.concat method (isaacs)
- windows: make symlinks tolerant to forward slashes (Bert Belder)
- build: Add node.d and node.1 to installer (isaacs)
- cluster: rename worker.unquieID to worker.id (Andreas Madsen)
- Windows: Enable ETW events on Windows for existing DTrace probes. (Igor Zinkovsky)
- test: bundle node-weak in test/gc so that it doesn't need to be downloaded (Nathan Rajlich)
- Make many tests pass on Windows (Bert Belder)
- Fix #3388 Support listening on file descriptors (isaacs)
- Fix #3407 Add os.tmpDir() (isaacs)
- Unbreak the snapshot build on Windows (Bert Belder)
- Clean up child_process.kill throws (Bert Belder)
- crypto: make cipher/decipher accept buffer args (Ben Noordhuis)

2012.06.11, Version 0.7.10 (unstable)

<https://github.com/nodejs/node/commit/8d9766a9dfb1eea901219d2a865ce9300fe4d68e>

- Roll V8 back to 3.9.24.31
- build: x64 target should always pass -m64 (Robert Mustacchi)
- add NODE_EXTERN to node::Start (Joel Brandt)
- repl: Warn about running npm commands (isaacs)
- slab_allocator: fix crash in dtor if V8 is dead (Ben Noordhuis)
- slab_allocator: fix leak of Persistent handles (Shigeki Ohtsu)
- windows/msi: add node.js prompt to startmenu (Jeroen Janssen)
- windows/msi: fix adding node to PATH (Jeroen Janssen)
- windows/msi: add start menu links when installing (Jeroen Janssen)
- windows: don't install x64 version into the 'program files (x86)' folder (Matt Gollob)
- domain: Fix [#3379](#) domain.intercept no longer passes error arg to cb (Marc Harter)
- fs: make callbacks run in global context (Ben Noordhuis)
- fs: enable fs.realpath on windows (isaacs)
- child_process: expose UV_PROCESS_DETACHED as options.detached (Charlie McConnell)
- child_process: new stdio API for .spawn() method (Fedor Indutny)
- child_process: spawn().ref() and spawn().unref() (Fedor Indutny)
- Upgrade npm to 1.1.25
 - Enable npm link on windows
 - Properly remove sh-shim on Windows
 - Abstract out registry client and logger

2012.05.28, Version 0.7.9 (unstable)

<https://github.com/nodejs/node/commit/782277f11a753ded831439ed826448c06fc0f356>

- Upgrade V8 to 3.11.1
- Upgrade npm to 1.1.23
- uv: rework reference counting scheme (Ben Noordhuis)
- uv: add interface for joining external event loops (Bert Belder)
- repl, readline: Handle Ctrl+Z and SIGCONT better (Nathan Rajlich)
- fs: 64bit offsets for fs calls (Igor Zinkovsky)
- fs: add sync open flags 'rs' and 'rs+' (Kevin Bowman)
- windows: enable creating directory junctions with fs.symlink (Igor Zinkovsky, Bert Belder)
- windows: fix fs.lstat to properly detect symlinks. (Igor Zinkovsky)
- Fix [#3270](#) Escape url.parse delims (isaacs)
- http: make http.get() accept a URL (Adam Malcontenti-Wilson)
- Cleanup vm module memory leakage (Marcel Laverdet)
- Optimize writing strings with Socket.write (Bert Belder)
- add support for CESU-8 and UTF-16LE encodings (koichik)
- path: add path.sep to get the path separator. (Yi, EungJun)
- net, http: add backlog parameter to .listen() (Erik Dubbelboer)
- debugger: support mirroring Date objects (Fedor Indutny)
- addon: add AtExit() function (Ben Noordhuis)
- net: signal localAddress bind failure in connect (Brian Schroeder)
- util: handle non-string return value in .inspect() (Alex Kocharin)

2012.04.18, Version 0.7.8 (unstable)

<https://github.com/nodejs/node/commit/c2b47097c0b483552efc1947c6766fa1128600b6>

- Upgrade V8 to 3.9.24.9
- Upgrade OpenSSL to 1.0.0f
- Upgrade npm to 1.1.18
- Show licenses in Binary installers
- Domains (isaacs)
- readline: rename "end" to "close" (Nathan Rajlich)
- tcp: make getsockname() return address family as string (Shigeki Ohtsu)
- http, https: fix .setTimeout() (ssuda)
- os: add cross platform EOL character (Mustansir Golawala)
- typed arrays: unexport SizeOfArrayElementType() (Aaron Jacobs)
- net: honor 'enable' flag in .setNoDelay() (Ben Noordhuis)
- child_process: emit error when .kill fails (Andreas Madsen)
- gyp: fix 'argument list too long' build error (Ben Noordhuis)
- fs.WriteStream: Handle modifications to fs.open (isaacs)
- repl, readline: Handle newlines better (Nathan Rajlich, Nathan Friedly)
- build: target OSX 10.5 when building on darwin (Nathan Rajlich)
- Fix [#3052](#) Handle errors properly in zlib (isaacs)
- build: add support for DTrace and postmortem (Dave Pacheco)
- core: add reusable Slab allocator (Ben Noordhuis)

2012.03.30, Version 0.7.7 (unstable)

<https://github.com/nodejs/node/commit/5cda2542fdb086f9fe5de889bea435a65e377dea>

- Upgrade V8 to 3.9.24.7
- Upgrade npm to 1.1.15
- Handle Emoji characters properly (Erik Corry, Bert Belder)
- readline: migrate ansi/vt100 logic from tty to readline (Nathan Rajlich)
- readline: Fix multiline handling (Alex Kocharin)
- add a -i/--interactive flag to force the REPL (Nathan Rajlich)
- debugger: add breakOnException command (Fedor Indutny)
- cluster: kill workers when master dies (Andreas Madsen)
- cluster: add graceful disconnect support (Andreas Madsen)
- child_process: Separate 'close' event from 'exit' (Charlie McConnell)
- typed arrays: add Uint8ClampedArray (Mikael Bourges-Sevenier)
- buffer: Fix byte alignment issues (Ben Noordhuis, Erik Lundin)
- tls: fix CryptoStream.setKeepAlive() (Shigeki Ohtsu)
- Expose http parse error codes (Felix Geisendörfer)
- events: don't delete the listeners array (Ben Noordhuis, Nathan Rajlich)
- process: add process.config to view node's ./configure settings (Nathan Rajlich)
- process: process.execArgv to see node's arguments (Micheil Smith)
- process: fix process.title setter (Ben Noordhuis)
- timers: handle negative or non-numeric timeout values (Ben Noordhuis)

2012.03.13, Version 0.7.6 (unstable)

<https://github.com/nodejs/node/commit/f06abda6f58e517349d1b63a2cbf5a8d04a03505>

- Upgrade v8 to 3.9.17
- Upgrade npm to 1.1.8
 - Add support for os/cpu fields in package.json (Adam Blackburn)
 - Automatically node-gyp packages containing a binding.gyp
 - Fix failures unpacking in UNC shares
 - Never create un-listable directories
 - Handle cases where an optionalDependency fails to build
- events: newListener emit correct fn when using 'once' (Roly Fentanes)
- url: Ignore empty port component (Łukasz Walukiewicz)
- module: replace 'children' array (isaacs)
- tls: parse multiple values of a key in ssl certificate (Sambasiva Suda)
- cluster: support passing of named pipes (Ben Noordhuis)
- Windows: include syscall in fs errors (Bert Belder)
- http: [#2888](#) Emit end event only once (Igor Zinkovsky)
- readline: add multiline support (RlIdwka)
- process: add `process.hrtime()` (Nathan Rajlich)
- net, http, https: add localAddress option (Dmitry Nizovtsev)
- add-on improvements (Nathan Rajlich)
- build improvements (Ben Noordhuis, Sadique Ali, T.C. Hollingsworth, Nathan Rajlich)
- add support for "SEARCH" request methods (Nathan Rajlich)
- expose the zlib and http_parser version in process.versions (Nathan Rajlich)

2012.02.23, Version 0.7.5 (unstable)

<https://github.com/nodejs/node/commit/d384b8b0d2ab7f05465f0a3e15fe20b4e25b5f86>

- startup speed improvements (Maciej Małecki)
- crypto: add function getDiffieHellman() (Tomasz Buchert)
- buffer: support decoding of URL-safe base64 (Ben Noordhuis)
- Make QueryString.parse() even faster (Brian White)
- url: decode url entities in auth section (Ben Noordhuis)
- http: support PURGE request method (Ben Noordhuis)
- http: Generate Date headers on responses (Mark Nottingham)
- Fix [#2762](#): Add callback to close function. (Mikeal Rogers)
- dgram: fix out-of-bound memory read (Ben Noordhuis)
- repl: add automatic loading of built-in libs (Brandon Benvie)
- repl: remove double calls where possible (Fedor Indutny)
- Readline improvements. Related: [#2737](#) [#2756](#) (Colton Baker)

- build: disable -fomit-frame-pointer on solaris (Dave Pacheco)
- build: arch detection improvements (Nathan Rajlich)
- build: Make a fat binary for the OS X `make pkg .` (Nathan Rajlich)
- tslint src/ and lib/ on 'make test' (isaacs)

2012.02.14, Version 0.7.4 (unstable)

<https://github.com/nodejs/node/commit/de21de920cf93ec40736ada3792a7f85f3eaded>

- Upgrade V8 to 3.9.5
- Upgrade npm to 1.1.1
- build: Detect host_arch better (Karl Skomski)
- debugger: export `debug_port` to `process` (Fedor Indutny)
- api docs: CSS bug fixes (isaacs)
- build: use -fPIC for native addons on UNIX (Nathan Rajlich)
- Re-add top-level v8::Locker (Marcel Laverdet)
- Move images out of the dist tarballs (isaacs)
- libuv: Remove uv_export and uv_import (Ben Noordhuis)
- build: Support x64 build on Windows (Igor Zinkovsky)

2012.02.07, Version 0.7.3 (unstable)

<https://github.com/nodejs/node/commit/99059aad8d654acda4abcfaa68df182b50f2ec90>

- Upgrade V8 to 3.9.2
- Revert support for isolates. (Ben Noordhuis)
- cluster: Cleanup docs, event handling, and process.disconnect (Andreas Madsen)
- gyp_addon: link with node.lib on Windows (Nathan Rajlich)
- http: fix case where http-parser is freed twice (koichik)
- Windows: disable RTTI and exceptions (Bert Belder)

2012.02.01, Version 0.7.2 (unstable)

<https://github.com/nodejs/node/commit/a3efcd2006614c3835c9395b91ab89c1f260806c>

- Update V8 to 3.8.9
- Support for sharing streams across Isolates (Igor Zinkovsky)
- [#2636](#) - Fix case where http_parsers are freed too early (koichik)
- url: Support for IPv6 addresses in URLs (Łukasz Walukiewicz)
- child_process: Add disconnect() method to child processes (Andreas Madsen)
- fs: add O_EXCL support, exclusive open file (Ben Noordhuis)
- fs: more specific error messages (Tj Holowaychuk)
- tty: emit 'unknown' key event if key sequence not found (Dan VerWeire, Nathan Rajlich)
- build: compile release build too if BUILDTYPE=Debug (Ben Noordhuis)
- module: fix --debug-brk on symlinked scripts (Fedor Indutny)
- zlib: fix `Failed to set dictionary` issue (Fedor Indutny)
- waf: predict target arch for OS X (Fedor Indutny)

2012.01.23, Version 0.7.1 (unstable)

<https://github.com/nodejs/node/commit/a74354735ab5d5b0fa35a1e4ff7e653757d2069b>

- Update V8 to 3.8.8
- Install node-waf by default (Fedor Indutny)
- crypto: Add ability to turn off PKCS padding (Ingmar Runge)
- v8: implement VirtualMemory class on SunOS (Ben Noordhuis)
- Add cluster.setupMaster (Andreas Madsen)
- move `path.exists*` to `fs.exists*` (Maciej Małecki)
- typed arrays: set class name (Ben Noordhuis)
- libuv bug fixes (Igor Zinkovsky, Ben Noordhuis, Dan VerWeire)

2012.01.16, Version 0.7.0 (unstable)

<https://github.com/nodejs/node/commit/9cc55dca6f67a6096c858b841c677b0593404321>

- Upgrade V8 to 3.8.6
- Use GYP build system on unix (Ben Noordhuis)
- Experimental isolates support (Ben Noordhuis)
- Improvements to Cluster API (Andreas Madsen)
- Use isolates for internal debugger (Fedor Indutny)
- Bug fixes

2012.07.10 Version 0.6.20 (maintenance)

<https://github.com/nodejs/node/commit/952e513379169ec1b40909d1db056e9bf4294899>

- npm: Upgrade to 1.1.37 (isaacs)
- benchmark: Backport improvements made in master (isaacs)
- build: always link with -lz (Trent Mick)
- core: use proper `#include` directives (Ben Noordhuis)
- cluster: don't silently drop messages when the write queue gets big (Bert Belder)
- windows: don't print error when `GetConsoleTitleW` returns an empty string (Bert Belder)

2012.06.06 Version 0.6.19 (stable)

<https://github.com/nodejs/node/commit/debf552ed2d4a53957446e82ff3c52a8182d5ff4>

- npm: upgrade to 1.1.24
- fs: no end emit after `createReadStream.pause()` (Andreas Madsen)
- vm: cleanup module memory leakage (Marcel Laverdet)
- unix: fix loop starvation under high network load (Ben Noordhuis)
- unix: remove `abort()` in `ev_unref()` (Ben Noordhuis)
- windows/tty: never report error after forcibly aborting line-buffered read (Bert Belder)
- windows: skip `GetFileAttributes` call when opening a file (Bert Belder)

2012.05.15 Version 0.6.18 (stable)

<https://github.com/nodejs/node/commit/4bc1d395de6abed2cf1e4d0b7b3a1480a21c368f>

- windows: skip `GetFileAttributes` call when opening a file (Bert Belder)
- crypto: add PKCS12/PFX support (Sambasiva Suda)

- [#3240](#): child_process: delete NODE_CHANNEL_FD from env in spawn (Ben Noordhuis)
- windows: add test for path.normalize with UNC paths (Bert Belder)
- windows: make path.normalize convert all slashes to backslashes (Bert Belder)
- fs: Automatically close FSWatcher on error (Bert Belder)
- [#3258](#): fs.ReadStream.pause() emits duplicate data event (koichik)
- pipe_wrap: don't assert() on pipe accept errors (Ben Noordhuis)
- Better exception output for module load and process.nextTick (Felix Geisendörfer)
- zlib: fix error reporting (Ben Noordhuis)
- http: Don't destroy on timeout (isaacs)
- [#3231](#): http: Don't try to emit error on a null'ed req object (isaacs)
- [#3236](#): http: Refactor ClientRequest.onSocket (isaacs)

2012.05.04 Version 0.6.17 (stable)

<https://github.com/nodejs/node/commit/4ced23deaf36493f4303a18f6fdce768c58becc0>

- Upgrade npm to 1.1.21
- uv: Add support for EROFS errors (Ben Noordhuis, Maciej Małecki)
- uv: Add support for EIO and ENOSPC errors (Fedor Indutny)
- windows: Add support for EXDEV errors (Bert Belder)
- http: Fix client memory leaks (isaacs, Vincent Voyer)
- fs: fix file descriptor leak in sync functions (Ben Noordhuis)
- fs: fix ReadStream / WriteStream double close bug (Ben Noordhuis)

2012.04.30 Version 0.6.16 (stable)

<https://github.com/nodejs/node/commit/a1d193963ddc80a27da5da01b59751e14e33d1d6>

- Upgrade V8 to 3.6.6.25
- Upgrade npm to 1.1.19
- Windows: add mappings for UV_ENOENT (Bert Belder)
- linux: add IN_MOVE_SELF to inotify event mask (Ben Noordhuis)
- unix: call pipe handle connection cb on accept() error (Ben Noordhuis)
- unix: handle EWOULDBLOCK (Ben Noordhuis)
- map EWOULDBLOCK to UV_EAGAIN (Ben Noordhuis)
- Map ENOMEM to UV_ENOMEM (isaacs)
- Child process: support the `gid` and `uid` options (Bert Belder)
- test: cluster: add worker death event test (Ben Noordhuis)
- typo in node_http_parser (isaacs)
- http_parser: Eat CRLF between requests, even on connection:close. (Ben Noordhuis)
- don't check return value of unsetenv (Ben Noordhuis)

2012.04.09 Version 0.6.15 (stable)

<https://github.com/nodejs/node/commit/f160a45b254e591eb33716311c92be533c6d86c4>

- Update npm to 1.1.16
- Show licenses in binary installers.
- unix: add uv_fs_read64, uv_fs_write64 and uv_fs_ftruncate64 (Ben Noordhuis)
- add 64bit offset fs functions (Igor Zinkovsky)
- windows: don't report ENOTSOCK when attempting to bind an udp handle twice (Bert Belder)

- windows: backport pipe-connect-to-file fixes from master (Bert Belder)
- windows: never call fs event callbacks after closing the watcher (Bert Belder)
- fs.readFile: don't make the callback before the fd is closed (Bert Belder)
- windows: use 64bit offsets for uv_fs apis (Igor Zinkovsky)
- Fix [#2061](#): segmentation fault on OS X due to stat size mismatch (Ben Noordhuis)

2012.03.22 Version 0.6.14 (stable)

<https://github.com/nodejs/node/commit/e513ffef7549a56a5af728e1f0c2c0c8f290518a>

- net: don't crash when queued write fails (Igor Zinkovsky)
- sunos: fix EMFILE on process.memoryUsage() (Bryan Cantrill)
- crypto: fix compile-time error with openssl 0.9.7e (Ben Noordhuis)
- unix: ignore ECONNABORTED errors from accept() (Ben Noordhuis)
- Add UV_ENOSPC and mappings to it (Bert Belder)
- http-parser: Fix response body is not read (koichik)
- Upgrade npm to 1.1.12
 - upgrade node-gyp to 0.3.7
 - work around AV-locked directories on Windows
 - Fix isaacs/npm[#2293](#) Don't try to 'uninstall' /
 - Exclude symbolic links from packages.
 - Fix isaacs/npm[#2275](#) Spurious 'unresolvable cycle' error.
 - Exclude/include dot files as if they were normal files

2012.03.15 Version 0.6.13 (stable)

<https://github.com/nodejs/node/commit/9f7f86b534f8556290eb8cad915984ff4ca54996>

- Windows: Many libuv test fixes (Bert Belder)
- Windows: avoid uv_guess_handle crash in when fd < 0 (Bert Belder)
- Map EBUSY and ENOTEMPTY errors (Bert Belder)
- Windows: include syscall in fs errors (Bert Belder)
- Fix fs.watch ENOSYS on Linux kernel version mismatch (Ben Noordhuis)
- Update npm to 1.1.9
 - upgrade node-gyp to 0.3.5 (Nathan Rajlich)
 - Fix isaacs/npm[#2249](#) Add cache-max and cache-min configs
 - Properly redirect across https/http registry requests
 - log config usage if undefined key in set function (Kris Windham)
 - Add support for os/cpu fields in package.json (Adam Blackburn)
 - Automatically node-gyp packages containing a binding.gyp
 - Fix failures unpacking in UNC shares
 - Never create un-listable directories
 - Handle cases where an optionalDependency fails to build

2012.03.02 Version 0.6.12 (stable)

<https://github.com/nodejs/node/commit/48a2d34cfe6b7e1c9d15202a4ef5e3c82d1fba35>

- Upgrade V8 to 3.6.6.24
- dtrace ustack helper improvements (Dave Pacheco)

- API Documentation refactor (isaacs)
- [#2827](#) net: fix race write() before and after connect() (koichik)
- [#2554](#) [#2567](#) throw if fs args for 'start' or 'end' are strings (AJ O'Neal)
- punycode: Update to v1.0.0 (Mathias Bynens)
- Make a fat binary for the OS X pkg (isaacs)
- Fix hang on accessing process.stdin (isaacs)
- repl: make tab completion work on non-objects (Nathan Rajlich)
- Fix fs.watch on OS X (Ben Noordhuis)
- Fix [#2515](#) nested setTimeouts cause premature process exit (Ben Noordhuis)
- windows: fix time conversion in stat (Igor Zinkovsky)
- windows: fs: handle EOF in read (Brandon Philips)
- windows: avoid IOCP short-circuit on non-ifs lps (Igor Zinkovsky)
- Upgrade npm to 1.1.4 (isaacs)
 - windows fixes
 - Bundle nested bundleDependencies properly
 - install: support --save with url install targets
 - shrinkwrap: behave properly with url-installed modules
 - support installing uncompressed tars or single file modules from urls etc.
 - don't run make clean on rebuild
 - support HTTPS-over-HTTP proxy tunneling

2012.02.17 Version 0.6.11 (stable)

<https://github.com/nodejs/node/commit/1eb1fe32250fc88cb5b0a97cddf3e02be02e3f4a>

- http: allow multiple WebSocket RFC6455 headers (Einar Otto Stangvik)
- http: allow multiple WWW-Authenticate headers (Ben Noordhuis)
- windows: support unicode argv and environment variables (Bert Belder)
- tls: mitigate session renegotiation attacks (Ben Noordhuis)
- tcp, pipe: don't assert on uv_accept() errors (Ben Noordhuis)
- tls: Allow establishing secure connection on the existing socket (koichik)
- dgram: handle close of dgram socket before DNS lookup completes (Seth Fitzsimmons)
- windows: Support half-duplex pipes (Igor Zinkovsky)
- build: disable omit-frame-pointer on solaris systems (Dave Pacheco)
- debugger: fix --debug-brk (Ben Noordhuis)
- net: fix large file downloads failing (koichik)
- fs: fix ReadStream failure to read from existing fd (Christopher Jeffrey)
- net: destroy socket on DNS error (Stefan Rusu)
- dtrace: add missing translator (Dave Pacheco)
- unix: don't flush tty on switch to raw mode (Ben Noordhuis)
- windows: reset brightness when reverting to default text color (Bert Belder)
- npm: update to 1.1.1
 - Update which, fstream, mkdirp, request, and rimraf
 - Fix [#2123](#) Set path properly for lifecycle scripts on windows
 - Mark the root as seen, so we don't recurse into it. Fixes [#1838](#). (Martin Cooper)

2012.02.02, Version 0.6.10 (stable)

<https://github.com/nodejs/node/commit/051908e023f87894fa68f5b64d0b99a19a7db01e>

- Update V8 to 3.6.6.20
- Add npm msygit bash shim to msi installer (isaacs)
- buffers: fix intermittent out of bounds error (Ben Noordhuis)
- buffers: honor length argument in base64 decoder (Ben Noordhuis)
- windows: Fix path.exists regression (Bert Belder)
- Make QueryString.parse run faster (Philip Tellis)
- http: avoid freeing http-parser objects too early (koichik)
- timers: add v0.4 compatibility hack (Ben Noordhuis)
- Proper EPERM error code support (Igor Zinkovsky, Brandon Philips)
- dgram: Implement udp multicast methods on windows (Bert Belder)

2012.01.27, Version 0.6.9 (stable)

<https://github.com/nodejs/node/commit/f19e20d33f57c4d2853aaea7d2724d44f3b0012f>

- dgram: Bring back missing functionality for Unix (Dan VerWeire, Roman Shtylman, Ben Noordhuis)
 - Note: Windows UDP support not yet complete.
- http: Fix parser memory leak (koichik)
- zlib: Fix [#2365](#) crashes on invalid input (Nicolas LaCasse)
- module: fix --debug-brk on symlinked scripts (Fedor Indutny)
- Documentation Restyling (Matthew Fitzsimmons)
- Update npm to 1.1.0-3 (isaacs)
- Windows: fix regression in stat() calls to C:\ (Bert Belder)

2012.01.19, Version 0.6.8 (stable)

<https://github.com/nodejs/node/commit/d18ceba8a7ac701dabd71a3aa4eb0571db6a645>

- Update V8 to 3.6.6.19
- Numeric key hash collision fix for V8 (Erik Corry, Fedor Indutny)
- Add missing TTY key translations for F1-F5 on Windows (Brandon Benvie)
- path.extname bugfix with . and .. paths (Bert Belder)
- cluster: don't always kill the master on uncaughtException (Ben Noordhuis)
- Update npm to 1.1.0-2 (isaacs)
- typed arrays: set class name (Ben Noordhuis)
- zlib binding cleanup (isaacs, Bert Belder)
- dgram: use slab memory allocator (Michael Bernstein)
- fix segfault [#2473](#)
- [#2521](#) 60% improvement in fs.stat on Windows (Igor Zinkovsky)

2012.01.06, Version 0.6.7 (stable)

<https://github.com/nodejs/node/commit/d5a189acef14a851287ee555f7a39431fe276e1c>

- V8 hash collision fix (Breaks MIPS) (Bert Belder, Erik Corry)

- Upgrade V8 to 3.6.6.15
- Upgrade npm to 1.1.0-beta-10 (isaacs)
- many doc updates (Ben Noordhuis, Jeremy Martin, koichik, Dave Irvine, Seong-Rak Choi, Shannen, Adam Malcontenti-Wilson, koichik)
- Fix segfault in node_http_parser.cc
- dgram, timers: fix memory leaks (Ben Noordhuis, Yoshihiro Kikuchi)
- repl: fix repl.start not passing the `ignoreUndefined` arg (Damon Oehlman)
- [#1980](#): Socket.pause null reference when called on a closed Stream (koichik)
- [#2263](#): XMLHttpRequest piped in a writable file stream hang (koichik)
- [#2069](#): http resource leak (koichik)
- buffer.readInt global pollution fix (Phil Sung)
- timers: fix performance regression (Ben Noordhuis)
- [#2308](#), [#2246](#): node swallows openssl error on request (koichik)
- [#2114](#): timers: remove `_idleTimeout` from item in `.unenroll()` (James Hartig)
- [#2379](#): debugger: Request backtrace w/o refs (Fedor Indutny)
- simple DTrace ustack helper (Dave Pacheco)
- crypto: rewrite HexDecode without `snprintf` (Roman Shtylman)
- crypto: don't ignore DH init errors (Ben Noordhuis)

2011.12.14, Version 0.6.6 (stable)

<https://github.com/nodejs/node/commit/9a059ea69e1f6ebd8899246682d8ca257610b8ab>

- npm update to 1.1.0-beta-4 (Isaac Z. Schlueter)
- cli: fix output of `--help` (Ben Noordhuis)
- new website
- pause/resume semantics for stdin (Isaac Z. Schlueter)
- Travis CI integration (Maciej Małeck)
- child_process: Fix bug regarding closed stdin (Ben Noordhuis)
- Enable upgrades in MSI. (Igor Zinkovsky)
- net: Fixes memory leak (Ben Noordhuis)
- fs: handle fractional or NaN ReadStream buffer size (Ben Noordhuis)
- crypto: fix memory leaks in PBKDF2 error path (Ben Noordhuis)

2011.12.04, Version 0.6.5 (stable)

<https://github.com/nodejs/node/commit/6cc94db653a2739ab28e33b2d6a63c51bd986a9f>

- npm workaround Windows antivirus software (isaacs)
- Upgrade V8 to 3.6.6.11

2011.12.02, Version 0.6.4 (stable)

<https://github.com/nodejs/node/commit/9170077f13e5e5475b23d1d3c2e7f69bfe139727>

- doc improvements (Kyle Young, Tim Oxley, Roman Shtylman, Mathias Bynens)
- upgrade bundled npm (Isaac Schlueter)
- polish Windows installer (Igor Zinkovsky, Isaac Schlueter)
- punycode: upgrade to v0.2.1 (Mathias Bynens)
- build: add `--without-npm` flag to configure script
- sys: deprecate module some more, print stack trace if `NODE_DEBUG=sys`
- cli: add `-p` switch, prints result of `--eval`
- [#1997](#): fix Blowfish ECB encryption and decryption (Ingmar Runge)
- [#2223](#): fix socket 'close' event being emitted twice
- [#2224](#): fix RSS memory usage > 4 GB reporting (Russ Bradberry)
- [#2225](#): fix `util.inspect()` object stringification bug (Nathan Rajlich)

2011.11.25, Version 0.6.3 (stable)

<https://github.com/nodejs/node/commit/b159c6d62e5756d3f8847419d29c6959ea288b56>

- [#2083](#) Land NPM in Node. It is included in packages/installers and installed on `make install`.
- [#2076](#) Add logos to windows installer.
- [#1711](#) Correctly handle http requests without headers. (Ben Noordhuis, Felix Geisendörfer)
- TLS: expose more openssl SSL context options and constants. (Ben Noordhuis)
- [#2177](#) Windows: don't kill UDP socket when a packet fails to reach its destination. (Bert Belder)
- Windows: support paths longer than 260 characters. (Igor Zinkovsky)
- Windows: correctly resolve drive-relative paths. (Bert Belder)
- [#2166](#) Don't leave file descriptor open after `lchmod`. (Isaac Schlueter)
- [#2084](#) Add OS X .pkg build script to make file.
- [#2160](#) Documentation improvements. (Ben Noordhuis)

2011.11.18, Version 0.6.2 (stable)

<https://github.com/nodejs/node/commit/a4402f0b2e410b19375a1d5c5fb7fe7f66f3c7f8>

- doc improvements (Artur Adib, Trevor Burnham, Ryan Emery, Trent Mick)
- timers: remember extra `setTimeout()` arguments when `timeout==0`
- punycode: use Mathias Bynens's punycode library, it's more compliant
- repl: improved tab completion (Ryan Emery)
- buffer: fix range checks in `.writeInt()` functions (Lukasz Walukiewicz)
- tls: make cipher list configurable
- addons: make Buffer and ObjectWrap visible to Windows add-ons (Bert Belder)
- crypto: add PKCS#1 a.k.a RSA public key verification support
- windows: fix stdout writes when redirected to nul

- sunos: fix build on Solaris and Illumos
- Upgrade V8 to 3.6.6.8

2011.11.11, Version 0.6.1 (stable)

<https://github.com/nodejs/node/commit/170f2addb2dd0c625bc4a6d461e89a31ad68b79b>

- doc improvements (Eric Lovett, Ben Noordhuis, Scott Anderson, Yoji SHIDARA)
- crypto: make thread-safe (Ben Noordhuis)
- fix process.kill error object
- debugger: correctly handle source with multi-byte characters (Shigeki Ohtsu)
- make stdout and stderr non-destroyable (Igor Zinkovsky)
- fs: don't close uninitialized fs.watch handle (Ben Noordhuis)
- [#2026](#) fix man page install on BSDs (Ben Noordhuis)
- [#2040](#) fix unrecognized errno assert in uv_err_name
- [#2043](#) fs: mkdir() should call callback if mode is omitted
- [#2045](#) fs: fix fs.realpath on windows to return on error (Benjamin Pasero)
- [#2047](#) minor cluster improvements
- [#2052](#) readline get window columns correctly
- Upgrade V8 to 3.6.6.7

2011.11.04, Version 0.6.0 (stable)

<https://github.com/nodejs/node/commit/865b077819a9271a29f982faaef99dc635b57fbc>

- print undefined on undefined values in REPL (Nathan Rajlich)
- doc improvements (koichik, seebees, bnoordhuis, Maciej Małeck, Jacob Kragh)
- support native addon loading in windows (Bert Belder)
- rename getNetworkInterfaces() to networkInterfaces() (bnoordhuis)
- add pending accepts knob for windows (igorzi)
- http.request(url.parse(x)) (seebees)
- [#1929](#) zlib Respond to 'resume' events properly (isaacs)
- stream.pipe: Remove resume and pause events
- test fixes for windows (igorzi)
- build system improvements (bnoordhuis)
- [#1936](#) tls: does not emit 'end' from EncryptedStream (koichik)
- [#758](#) tls: add address(), remoteAddress/remotePort
- [#1399](#) http: emit Error object after .abort() (bnoordhuis)
- [#1999](#) fs: make mkdir() default to 0777 permissions (bnoordhuis)
- [#2001](#) fix pipe error codes
- [#2002](#) Socket.write should reset timeout timer

- stdout and stderr are blocking when associated with file too.
- remote debugger support on windows (Bert Belder)
- convenience methods for zlib (Matt Robenolt)
- process.kill support on windows (igorzi)
- process.uptime() support on windows (igorzi)
- Return IPv4 addresses before IPv6 addresses from getaddrinfo
- util.inspect improvements (Nathan Rajlich)
- cluster module api changes
- Downgrade V8 to 3.6.6.6

2011.10.21, Version 0.5.10 (unstable)

<https://github.com/nodejs/node/commit/220e61c1f65bf4db09699fc6399c0809c0bc446>

- Remove cmake build system, support for Cygwin, legacy code base, process.ENV, process.ARGV, process.memoryUsage().vsize, os.openOSHandle
- Documentation improvements (Igor Zinkovsky, Bert Belder, Ilya Dmitrichenko, koichik, Maciej Małecki, Guglielmo Ferri, isaacs)
- Performance improvements (Daniel Ennis, Bert Belder, Ben Noordhuis)
- Long process.title support (Ben Noordhuis)
- net: register net.Server callback only once (Simen Brekken)
- net: fix connect queue bugs (Ben Noordhuis)
- debugger: fix backtrace err handling (Fedor Indutny)
- Use getaddrinfo instead of c-ares for dns.lookup
- Emit 'end' from crypto streams on close
- [#1902](#) buffer: use NO_NULL_TERMINATION flag (koichik)
- [#1907](#) http: Added support for HTTP PATCH verb (Thomas Parslow)
- [#1644](#) add GetCPUInfo on windows (Karl Skomski)
- [#1484](#), [#1834](#), [#1482](#), [#771](#) Don't use a separate context for the repl. (isaacs)
- [#1882](#) zlib Update 'availOutBefore' value, and test (isaacs)
- [#1888](#) child_process.fork: don't modify args (koichik)
- [#1516](#) tls: requestCert unusable with Firefox and Chrome (koichik)
- [#1467](#) tls: The TLS API is inconsistent with the TCP API (koichik)
- [#1894](#) net: fix error handling in listen() (koichik)

- [#1860](#) console.error now goes through uv_tty_t
- Upgrade V8 to 3.7.0
- Upgrade GYP to r1081

2011.10.10, Version 0.5.9 (unstable)

<https://github.com/nodejs/node/commit/3bd9b08fb125b606f97a4079b147accfdeebb07d>

- fs.watch interface backed by kqueue, inotify, and ReadDirectoryChangesW (Igor Zinkovsky, Ben Noordhuis)
- add dns.resolveTxt (Christian Tellnes)
- Remove legacy http library (Ben Noordhuis)
- child_process.fork returns and works on Windows. Allows passing handles. (Igor Zinkovsky, Bert Belder)
- [#1774](#) Lint and clean up for --harmony_block_scoping (Tyler Larson, Colton Baker)
- [#1813](#) Fix ctrl+c on Windows (Bert Belder)
- [#1844](#) unbreak --use-legacy (Ben Noordhuis)
- process.stderr now goes through libuv. Both process.stdout and process.stderr are blocking when referencing a TTY.
- net_uv performance improvements (Ben Noordhuis, Bert Belder)

2011.09.30, Version 0.5.8 (unstable)

<https://github.com/nodejs/node/commit/7cc17a0cea1d25188c103745a7d0c24375e3a609>

- zlib bindings (isaacs)
- Windows supports TTY ANSI escape codes (Bert Belder)
- Debugger improvements (Fedor Indutny)
- crypto: look up SSL errors with ERR_print_errors() (Ben Noordhuis)
- dns callbacks go through MakeCallback now
- Raise an error when a malformed package.json file is found. (Ben Leslie)
- buffers: handle bad length argument in constructor (Ben Noordhuis)
- [#1726](#), unref process.stdout
- Doc improvements (Ben Noordhuis, Fedor Indutny, koichik)
- Upgrade libuv to fe18438

2011.09.16, Version 0.5.7 (unstable)

<https://github.com/nodejs/node/commit/558241166c4f3c516e5a448e676db0b57119212f>

- Upgrade V8 to 3.6.4
- Improve Windows compatibility
- Documentation improvements

- Debugger and REPL improvements (Fedor Indutny)
- Add legacy API support: `net.Stream(fd)`, `process.stdout.writable`, `process.stdout.fd`
- Fix `mkdir EEXIST` handling (isaacs)
- Use `net_uv` instead of `net_legacy` for `stdio`
- Do not load `readline` from `util.inspect`
- [#1673](#) Fix bug related to V8 context with accessors (Fedor Indutny)
- [#1634](#) `util`: Fix inspection for `Error` (koichik)
- [#1645](#) `fs`: Add positioned file writing feature to `fs.WriteStream` (Thomas Shinnick)
- [#1637](#) `fs`: Unguarded `fs.watchFile` cache `stat`Watchers checking fixed (Thomas Shinnick)
- [#1695](#) Forward custom `Fds` to `ChildProcess.spawn`
- [#1707](#) Fix `hasOwnProperty` security problem in `querystring` (isaacs)
- [#1719](#) Drain OpenSSL error queue

2011.09.08, Version 0.5.6 (unstable)

<https://github.com/nodejs/node/commit/b49bec55806574a47403771bce1ee379c2b09ca2>

- [#345](#), [#1635](#), [#1648](#) Documentation improvements (Thomas Shinnick, Abimanyu Raja, AJ O'Neal, Koichi Kobayashi, Michael Jackson, Logan Smyth, Ben Noordhuis)
- [#650](#) Improve path parsing on windows (Bert Belder)
- [#752](#) Remove headers sent check in `OutgoingMessage.getHeader()` (Peter Lyons)
- [#1236](#), [#1438](#), [#1506](#), [#1513](#), [#1621](#), [#1640](#), [#1647](#) Libuv-related bugs fixed (Jorge Chamorro Bieling, Peter Bright, Luis Lavena, Igor Zinkovsky)
- [#1296](#), [#1612](#) `crypto`: Fix BIO's usage. (Koichi Kobayashi)
- [#1345](#) Correctly set `socket.remoteAddress` with libuv backend (Bert Belder)
- [#1429](#) Don't clobber quick edit mode on windows (Peter Bright)
- [#1503](#) Make libuv backend default on unix, override with `node --use-legacy`
- [#1565](#) Fix `fs.stat` for paths ending with `\` on windows (Igor Zinkovsky)
- [#1568](#) Fix x509 certificate subject parsing (Koichi Kobayashi)
- [#1586](#) Make socket write encoding case-insensitive (Koichi Kobayashi)
- [#1591](#), [#1656](#), [#1657](#) Implement `fs` in libuv, remove `libeio` and `pthread-win32` dependency on windows (Igor Zinkovsky, Ben Noordhuis, Ryan Dahl, Isaac Schlueter)
- [#1592](#) Don't load-time link against `CreateSymbolicLink` on windows (Peter Bright)
- [#1601](#) Improve API consistency when dealing with the socket underlying a HTTP client request (Mikeal Rogers)

- [#1610](#) Remove DigiNotar CA from trusted list (Isaac Schlueter)
- [#1617](#) Added some win32 os functions (Karl Skomski)
- [#1624](#) avoid buffer overrun with 'binary' encoding (Koichi Kobayashi)
- [#1633](#) make Buffer.write() always set _charsWritten (Koichi Kobayashi)
- [#1644](#) Windows: set executables to be console programs (Peter Bright)
- [#1651](#) improve inspection for sparse array (Koichi Kobayashi)
- [#1672](#) set .code='ECONNRESET' on socket hang up errors (Ben Noordhuis)
- Add test case for foaf+ssl client certificate (Niclas Hoyer)
- Added RPATH environment variable to override run-time library paths (Ashok Mudukutore)
- Added TLS client-side session resumption support (Sean Cunningham)
- Added additional properties to getPeerCertificate (Nathan Rixham, Niclas Hoyer)
- Don't eval repl command twice when an error is thrown (Nathan Rajlich)
- Improve util.isDate() (Nathan Rajlich)
- Improvements in libuv backend and bindings, upgrade libuv to bd6066cb349a9b3a1b0d87b146ddaee06db31d10
- Show warning when using lib/sys.js (Maciej Malecki)
- Support plus sign in url protocol (Maciej Malecki)
- Upgrade V8 to 3.6.2

2011.08.26, Version 0.5.5 (unstable)

<https://github.com/nodejs/node/commit/d2d53d4bb262f517a227cc178a1648094ba54c20>

- typed arrays, implementation from Plesk
- fix IP multicast on SunOS
- fix DNS lookup order: IPv4 first, IPv6 second (--use-uv only)
- remove support for UNIX datagram sockets (--use-uv only)
- UDP support for Windows (Bert Belder)
- [#1572](#) improve tab completion for objects in the REPL (Nathan Rajlich)
- [#1563](#) fix buffer overflow in child_process module (reported by Dean McNamee)
- [#1546](#) fix performance regression in http module (reported by Brian Geffon)
- [#1491](#) add PBKDF2 crypto support (Glen Low)
- [#1447](#) remove deprecated http.cat() function (Mikeal Rogers)
- [#1140](#) fix incorrect dispatch of vm.runInContext's filename argument (Antranig Basman)

- [#1140](#) document `vm.runInContext()` and `vm.createContext()` (Antranig Basman)
- [#1428](#) fix `os.freemem()` on 64 bits freebsd (Artem Zaytsev)
- [#1164](#) make all DNS lookups async, fixes uncatchable exceptions (Koichi Kobayashi)
- fix incorrect ssl shutdown check (Tom Hughes)
- various cmake fixes (Tom Hughes)
- improved documentation (Koichi Kobayashi, Logan Smyth, Fedor Indutny, Mikeal Rogers, Maciej Matecki, Antranig Basman, Mickaël Delahaye)
- upgrade libuv to commit 835782a
- upgrade V8 to 3.5.8

2011.08.12, Version 0.5.4 (unstable)

<https://github.com/nodejs/node/commit/cfba1f59224ff8602c3fe9145181cad4c6df89a9>

- libuv/Windows compatibility improvements
- Build on Microsoft Visual Studio via GYP. Use `generate-projects.bat` in the to build sln files. (Peter Bright, Igor Zinkovsky)
- Make Mikeal's HTTP agent client the default. Use old HTTP client with `--use-http1`
- Fixes https host header default port handling. (Mikeal Rogers)
- [#1440](#) strip byte order marker when loading `*.js` and `*.json` files (Ben Noordhuis)
- [#1434](#) Improve `util.format()` compatibility with browser. (Koichi Kobayashi)
- Provide unchecked uint entry points for integer `Buffer.read/writeln` methods. (Robert Mustacchi)
- CMake improvements (Tom Huges)
- Upgrade V8 to 3.5.4.

2011.08.01, Version 0.5.3 (unstable)

<https://github.com/nodejs/node/commit/4585330afef44ddfb6a4054bd9b0f190b352628b>

- Fix crypto encryption/decryption with Base64. (SAWADA Tadashi)
- [#243](#) Add an optional length argument to `Buffer.write()` (koichik)
- [#657](#) convert nonbuffer data to string in `fs.writeFile/Sync` (Daniel Pihlström)
- Add `process.features`, remove `process.useUV` (Ben Noordhuis)
- [#324](#) Fix crypto hmac to accept binary keys + add test cases from rfc 2202 and 4231 (Stefan Bühler)
- Add `Socket::bytesRead`, `Socket::bytesWritten` (Alexander Uvarov)
- [#572](#) Don't print result of `--eval` in CLI (Ben Noordhuis)

- [#1223](#) Fix http.ClientRequest crashes if end() was called twice (koichik)
- [#1383](#) Emit 'close' after all connections have closed (Felix Geisendörfer)
- Add sprintf-like util.format() function (Ben Noordhuis)
- Add support for TLS SNI (Fedor Indutny)
- New http agent implementation. Off by default the command line flag --use-http2 will enable it. "make test-http2" will run the tests for the new implementation. (Mikeal Rogers)
- Revert AMD compatibility. (isaacs)
- Windows: improvements, child_process support.
- Remove pkg-config file.
- Fix startup time regressions.
- doc improvements

2011.07.22, Version 0.5.2 (unstable)

<https://github.com/nodejs/node/commit/08ffce1a00dde1199174b390a64a90b60768ddf5>

- libuv improvements; named pipe support
- [#1242](#) check for SSL_COMP_get_compression_methods() (Ben Noordhuis)
- [#1348](#) remove require.paths (isaacs)
- [#1349](#) Delimit NODE_PATH with ; on Windows (isaacs)
- [#1335](#) Remove EventEmitter from C++
- [#1357](#) Load json files with require() (isaacs)
- [#1374](#) fix setting ServerResponse.statusCode in writeHead (Trent Mick)
- Fixed: GC was being run too often.
- Upgrade V8 to 3.4.14
- doc improvements

2011.07.14, Version 0.5.1 (unstable)

<https://github.com/nodejs/node/commit/f8bfa54d0fa509f9242637bef2869a1b1e842ec8>

- [#1233](#) Fix os.totalmem on FreeBSD amd64 (Artem Zaytsev)
- [#1149](#) IDNA and Punycode support in url.parse (Jeremy Selier, Ben Noordhuis, isaacs)
- Export \$CC and \$CXX to uv and V8's build systems
- Include pthread-win32 static libraries in build (Igor Zinkovsky)
- [#1199](#), [#1094](#) Fix fs can't handle large file on 64bit platform (koichik)
- [#1281](#) Make require a public member of module (isaacs)
- [#1303](#) Stream.pipe returns the destination (Elijah Insua)
- [#1229](#) Addons should not -DEV_MULTIPLICITY=0 (Brian White)

- libuv backend improvements
- Upgrade V8 to 3.4.10

2011.07.05, Version 0.5.0 (unstable)

<https://github.com/nodejs/node/commit/ae7ed8482ea7e53c59acbfd3cf0e0a0ae9d792cd>

- New non-default libuv backend to support IOCP on Windows. Use --use-uv to enable.
- deprecate http.cat
- docs improved.
- add child_process.fork
- add fs.utimes() and fs.futimes() support (Ben Noordhuis)
- add process.uptime() (Tom Huges)
- add path.relative (Tony Huang)
- add os.getNetworkInterfaces()
- add remoteAddress and remotePort for client TCP connections (Brian White)
- add secureOptions flag, setting ciphers, SSL_OP_CRYPTOPRO_TLSEXT_BUG to TLS (Theo Schlossnagle)
- add process.arch (Nathan Rajlich)
- add reading/writing of floats and doubles from/to buffers (Brian White)
- Allow script to be read from stdin
- [#477](#) add Buffer::fill method to do memset (Konstantin Käfer)
- [#573](#) Diffie-Hellman support to crypto module (Håvard Stranden)
- [#695](#) add 'hex' encoding to buffer (isaacs)
- [#851](#) Update how REPLServer uses contexts (Ben Weaver)
- [#853](#) add fs.lchmod, fs.fchmod, fs.fchown (isaacs)
- [#889](#) Allow to remove all EventEmitter listeners at once (Felix Geisendörfer)
- [#926](#) OpenSSL NPN support (Fedor Indutny)
- [#955](#) Change ^C handling in REPL (isaacs)
- [#979](#) add support for Unix Domain Sockets to HTTP (Mark Cavage)
- [#1173](#) [#1170](#) add AMD, asynchronous module definition (isaacs)
- DTrace probes: support X-Forwarded-For (Dave Pacheco)

2011.09.15, Version 0.4.12 (stable)

<https://github.com/nodejs/node/commit/771ba34ca7b839add2ef96879e1ffc684813cf7c>

- Improve docs
- [#1563](#) overflow in ChildProcess custom_fd.
- [#1569](#) parse error on multi-line HTTP headers. (Ben Noordhuis)
- [#1586](#) net: Socket write encoding case sensitivity (koichik)
- [#1610](#) Remove DigiNotar CA from trusted list (isaacs)
- [#1624](#) buffer: Avoid overrun with 'binary' encoding. (koichik)
- [#1633](#) buffer: write() should always set _charsWritten. (koichik)
- [#1707](#) hasOwnProperty usage security hole in querystring (isaacs)
- [#1719](#) Drain OpenSSL error queue
- Fix error reporting in net.Server.listen

2011.08.17, Version 0.4.11 (stable)

<https://github.com/nodejs/node/commit/a745d19ce7d1c0e3778371af4f0346be70cf2c8e>

- [#738](#) Fix crypto encryption/decryption with Base64. (SAWADA Tadashi)
- [#1202](#) net.createConnection defer DNS lookup error events to next tick (Ben Noordhuis)
- [#1374](#) fix setting ServerResponse.statusCode in writeHead (Trent Mick)
- [#1417](#) Fix http.ClientRequest crashes if end() was called twice
- [#1497](#) querystring: Replace 'in' test with 'hasOwnProperty' (isaacs)
- [#1546](#) http perf improvement
- fix memleak in libeio (Tom Hughes)
- cmake improvements (Tom Hughes)
- node_net.cc: fix incorrect sizeof() (Tom Hughes)
- Windows/cygwin: no more GetConsoleTitleW errors on XP (Bert Belder)
- Doc improvements (koichik, Logan Smyth, Ben Noordhuis, Arnout Kazemier)

2011.07.19, Version 0.4.10 (stable)

<https://github.com/nodejs/node/commit/1b8dd65d6e3b82b6863ef38835cc436c5d30c1d5>

- [#394](#) Fix Buffer drops last null character in UTF-8
- [#829](#) Backport r8577 from V8 (Ben Noordhuis)
- [#877](#) Don't wait for HTTP Agent socket pool to establish connections.
- [#915](#) Find kqueue on FreeBSD correctly (Brett Kiefer)
- [#1085](#) HTTP: Fix race in abort/dispatch code (Stefan Rusu)
- [#1274](#) debugger improvement (Yoshihiro Kikuchi)
- [#1291](#) Properly respond to HEAD during end(body) hot path (Reid Burke)
- [#1304](#) TLS: Fix race in abort/connection code (Stefan Rusu)
- [#1360](#) Allow _ in url hostnames.
- Revert 37d529f8 - unbreaks debugger command parsing.
- Bring back global execScript

- Doc improvements

2011.06.29, Version 0.4.9 (stable)

<https://github.com/nodejs/node/commit/de44eafd7854d06cd85006f509b7051e8540589b>

- Improve documentation
- [#1095](#) error handling bug in stream.pipe() (Felix Geisendörfer)
- [#1097](#) Fix a few leaks in node_crypto.cc (Ben Noordhuis)
- [#562](#) [#1078](#) Parse file:// urls properly (Ryan Petrello)
- [#880](#) Option to disable SSLv2 (Jérémy Lal)
- [#1087](#) Disabling SSL compression disabled with early OpenSSLs.
- [#1144](#) debugger: don't allow users to input non-valid commands (Siddharth Mahendraker)
- Perf improvement for util.inherits
- [#1166](#) Support for signature verification with RSA/DSA public keys (Mark Cavage)
- [#1177](#) Remove node_modules lookup optimization to better support nested project structures (Mathias Buus)
- [#1203](#) Add missing scope.Close to fs.sendfileSync
- [#1187](#) Support multiple 'link' headers
- [#1196](#) Fix -e/--eval can't load module from node_modules (Koichi Kobayashi)
- Upgrade V8 to 3.1.8.25, upgrade http-parser.

2011.05.20, Version 0.4.8 (stable)

<https://github.com/nodejs/node/commit/7dd22c26e4365698dc3efddf138c4d399cb912c8>

- [#974](#) Properly report traceless errors (isaacs)
- [#983](#) Better JSON.parse error detection in REPL (isaacs)
- [#836](#) Agent socket errors bubble up to req only if req exists
- [#1041](#) Fix event listener leak check timing (koichik)
- [#1038](#) Fix dns.resolve() with 'PTR' throws Error: Unknown type "PTR" (koichik)
- [#1073](#) Share SSL context between server connections (Fedor Indutny)
- Disable compression with OpenSSL. Improves memory perf.
- Implement os.totalmem() and os.freemem() for SunOS (Alexandre Marangone)
- Fix a special characters in URL regression (isaacs)
- Fix idle timeouts in HTTPS (Felix Geisendörfer)

- `SlowBuffer.write()` with 'ucs2' throws `ReferenceError`. (koichik)
- `http.ServerRequest.close` sometimes gets an error argument (Felix Geisendörfer)
- Doc improvements
- `cleartextstream.destroy()` should `close(2)` the socket. Previously was being mapped to a `shutdown(2)` syscall.
- No longer compile out asserts and debug statements in normal build.
- Debugger improvements.
- Upgrade V8 to 3.1.8.16.

2011.04.22, Version 0.4.7 (stable)

<https://github.com/nodejs/node/commit/c85455a954411b38232e79752d4abb61bb75031b>

- Don't emit error on `ECONNRESET` from `read()` [#670](#)
- Fix: Multiple pipes to the same stream were broken [#929](#) (Felix Geisendörfer)
- URL parsing/formatting corrections [#954](#) (isaacs)
- make it possible to do `repl.start('', stream)` (Wade Simmons)
- Add `os.loadavg` for SunOS (Robert Mustacchi)
- Fix timeouts with floating point numbers [#897](#) (Jorge Chamorro Bieling)
- Improve docs.

2011.04.13, Version 0.4.6 (stable)

<https://github.com/nodejs/node/commit/58002d56bc79410c5ff397fc0e1ffec0665db38a>

- Don't error on `ENOTCONN` from `shutdown()` [#670](#)
- Auto completion of built-in debugger suggests prefix match rather than partial match. (koichik)
- circular reference in vm modules. [#822](#) (Jakub Lekstan)
- `http.response.readable` should be false after 'end' [#867](#) (Abe Fettig)
- Implement `os.cpus()` and `os.uptime()` on Solaris (Scott McWhirter)
- `fs.ReadStream`: Allow omission of end option for range reads [#801](#) (Felix Geisendörfer)
- `Buffer.write()` with UCS-2 should not be write partial char [#916](#) (koichik)
- Pass `secureProtocol` through on `tls.Server` creation (Theo Schlossnagle)
- TLS use RC4-SHA by default
- Don't strangely drop out of event loop on HTTPS client uploads [#892](#)
- Doc improvements

- Upgrade v8 to 3.1.8.10

2011.04.01, Version 0.4.5 (stable)

<https://github.com/nodejs/node/commit/787a343b588de26784fef97f953420b53a6e1d73>

- Fix listener leak in stream.pipe() (Mikeal Rogers)
- Retain buffers in fs.read/write() GH-814 (Jorge Chamorro Bieling)
- TLS performance improvements
- SlowBuffer.prototype.slice bug GH-843
- process.stderr.write should return true
- Immediate pause/resume race condition GH-535 (isaacs)
- Set default host header properly GH-721 (isaacs)
- Upgrade V8 to 3.1.8.8

2011.03.26, Version 0.4.4 (stable)

<https://github.com/nodejs/node/commit/25122b986a90ba0982697b7abcb0158c302a1019>

- CryptoStream.end shouldn't throw if not writable GH-820
- Drop out if connection destroyed before connect() GH-819
- expose https.Agent
- Correctly setsid in tty.open GH-815
- Bug fix for failed buffer construction
- Added support for removing .once listeners (GH-806)
- Upgrade V8 to 3.1.8.5

2011.03.18, Version 0.4.3 (stable)

<https://github.com/nodejs/node/commit/c095ce1a1b41ca015758a713283bf1f0bd41e4c4>

- Don't decrease server connection counter again if destroy() is called more than once GH-431 (Andreas Reich, Anders Conbere)
- Documentation improvements (koichik)
- Fix bug with setMaxListeners GH-682
- Start up memory footprint improvement. (Tom Hughes)
- Solaris improvements.
- Buffer::Length(Buffer*) should not invoke itself recursively GH-759 (Ben Noordhuis)
- TLS: Advertise support for client certs GH-774 (Theo Schlossnagle)
- HTTP Agent bugs: GH-787, GH-784, GH-803.
- Don't call GetMemoryUsage every 5 seconds.
- Upgrade V8 to 3.1.8.3

2011.03.02, Version 0.4.2 (stable)

<https://github.com/nodejs/node/commit/39280e1b5731f3fcd8cc42ad41b86cdfdcb6d58b>

- Improve docs.
- Fix process.on edge case with signal event (Alexis Sellier)
- Pragma HTTP header comma separation
- In addition to 'aborted' emit 'close' from incoming requests (Felix Geisendörfer)
- Fix memleak in vm.runInNewContext
- Do not cache modules that throw exceptions (Felix Geisendörfer)
- Build system changes for libnode (Aria Stewart)
- Read up the prototype of the 'env' object. (Nathan Rajlich)
- Add 'close' and 'aborted' events to Agent responses
- http: fix missing 'drain' events (Russell Haering)
- Fix process.stdout.end() throws ENOTSOCK error. (Koichi Kobayashi)
- REPL bug fixes (isaacs)
- node_modules folders should be highest priority (isaacs)
- URL parse more safely (isaacs)
- Expose errno with a string for dns/cares (Felix Geisendörfer)
- Fix tty.setWindowSize
- spawn: setuid after chdir (isaacs)
- SIGUSR1 should break the VM without delay
- Upgrade V8 to 3.1.8.

2011.02.19, Version 0.4.1 (stable)

<https://github.com/nodejs/node/commit/e8aef84191bc2c1ba2bcaa54f30aabde7f03769b>

- Fixed field merging with progressive fields on writeHead() (TJ Holowaychuk)
- Make the repl respect node_modules folders (isaacs)
- Fix for DNS fail in HTTP request (Richard Rodger)
- Default to port 80 for http.request and http.get.
- Improve V8 support for Cygwin (Bert Belder)
- Fix fs.open param parsing. (Felix Geisendörfer)
- Fixed null signal.

- Fix various HTTP and HTTPS bugs
- cmake improvements (Tom Hughes)
- Fix: TLS sockets should not be writable after 'end'
- Fix os.cpus() on cygwin (Brian White)
- MinGW: OpenSSL support (Bert Belder)
- Upgrade V8 to 3.1.5, libev to 4.4.

2011.02.10, Version 0.4.0 (stable)

<https://github.com/nodejs/node/commit/eb155ea6f6a6aa341aa8c731dca8da545c6a4008>

- require() improvements (isaacs)
 - understand package.json (isaacs)
 - look for 'node_modules' dir
- cmake fixes (Daniel Gröber)
- http: fix buffer writes to outgoing messages (Russell Haering)
- Expose UCS-2 Encoding (Konstantin Käfer)
- Support strings for octal modes (isaacs)
- Support array-ish args to Buffer ctor (isaacs)
- cygwin and mingw improvements (Bert Belder)
- TLS improvements
- Fewer syscalls during require (Bert Belder, isaacs)
- More DTrace probes (Bryan Cantrill, Robert Mustacchi)
- 'pipe' event on pipe() (Mikeal Rogers)
- CRL support in TLS (Theo Schlossnagle)
- HTTP header manipulation methods (Tim Caswell, Charlie Robbins)
- Upgrade V8 to 3.1.2

2011.02.04, Version 0.3.8 (unstable)

<https://github.com/nodejs/node/commit/9493b7563bff31525b4080df5aeef09747782d5e>

- Add req.abort() for client side requests.
- Add exception.code for easy testing: Example: if (err.code == 'EADDRINUSE');
- Add process.stderr.
- require.main is the main module. (Isaac Schlueter)

- dgram: setMulticastTTL, setMulticastLoopback and addMembership. (Joe Walnes)
- Fix throttling in TLS connections
- Add socket.bufferSize
- MinGW improvements (Bert Belder)
- Upgrade V8 to 3.1.1

2011.01.27, Version 0.3.7 (unstable)

<https://github.com/nodejs/node/commit/d8579c6afdbe868de6dffa8db78bbe4ba2d03e0e>

- Expose agent in http and https client. (Mikeal Rogers)
- Fix bug in http request's end method. (Ali Farhadi)
- MinGW: better net support (Bert Belder)
- fs.open should set FD_CLOEXEC
- DTrace probes (Bryan Cantrill)
- REPL fixes and improvements (isaacs, Bert Belder)
- Fix many bugs with legacy http.Client interface
- Deprecate process.assert. Use require('assert').ok
- Add callback parameter to socket.setTimeout(). (Ali Farhadi)
- Fixing bug in http request default encoding (Ali Farhadi)
- require: A module ID with a trailing slash must be a dir. (isaacs)
- Add ext_key_usage to getPeerCertificate (Greg Hughes)
- Error when child_process.exec hits maxBuffer.
- Fix option parsing in tls.connect()
- Upgrade to V8 3.0.10

2011.01.21, Version 0.3.6 (unstable)

<https://github.com/nodejs/node/commit/bb3e71466e5240626d9d21cf791fe43e87d90011>

- REPL and other improvements on MinGW (Bert Belder)
- listen/bind errors should close net.Server
- New HTTP and HTTPS client APIs
- Upgrade V8 to 3.0.9

2011.01.16, Version 0.3.5 (unstable)

<https://github.com/nodejs/node/commit/b622bc6305e3c675e0edfcdbaa387d849ad0bba0>

- Built-in debugger improvements.
- Add setsid, setuid, setgid options to child_process.spawn (Isaac Schlueter)
- tty module improvements.
- Upgrade libev to 4.3, libeio to latest, c-ares to 1.7.4
- Allow third party hooks before main module load. (See 496be457b6a2bc5b01ec13644b9c9783976159b2)
- Don't stat() on cached modules. (Felix Geisendörfer)

2011.01.08, Version 0.3.4 (unstable)

<https://github.com/nodejs/node/commit/73f53e12e4a5b9ef7dbb4792bd5f8ad403094441>

- Primordial mingw build (Bert Belder)
- HTTPS server
- Built in debugger 'node debug script.js'
- realpath files during module load (Mihai Călin Bazon)
- Rename net.Stream to net.Socket (existing name will continue to be supported)
- Fix process.platform

2011.01.02, Version 0.3.3 (unstable)

<https://github.com/nodejs/node/commit/57544ba1c54c7d0da890317deeb73076350c5647>

- TLS improvements.
- url.parse(url, true) defaults query field to {} (Jeremy Martin)
- Upgrade V8 to 3.0.4
- Handle ECONNABORT properly (Theo Schlossnagle)
- Fix memory leaks (Tom Hughes)
- Add os.cpus(), os.freemem(), os.totalmem(), os.loadavg() and other functions for OSX, Linux, and Cygwin. (Brian White)
- Fix REPL syntax error bug (GH-543), improve how REPL commands are evaluated.
- Use process.stdin instead of process.openStdin().
- Disable TLS tests when node doesn't have OpenSSL.

2010.12.16, Version 0.3.2 (unstable)

<https://github.com/nodejs/node/commit/4bb914bde9f3c2d6de00853353b6b8fc9c66143a>

- Rip out the old (broken) TLS implementation introduce new tested implementation and API. See docs. HTTPS not supported in this release.
- Introduce 'os' and 'tty' modules.
- Callback parameters for `socket.write()` and `socket.connect()`.
- Support CNAME lookups in DNS module. (Ben Noordhuis)
- cmake support (Tom Hughes)
- 'make lint'
- oprofile support (`./configure --oprofile`)
- Lots of bug fixes, including:
 - Memory leak in `ChildProcess.Spawn()`. (Tom Hughes)
 - `buffer.slice(0, 0)`
 - Global variable leaks
 - `clearTimeouts` calling multiple times (Michael W)
 - `utils.inspect`'s detection of circular structures (Tim Coijmans)
 - Apple's threaded `write()`s bug (Jorge Chamorro Bieling)
 - Make sure raw mode is disabled when exiting a terminal-based REPL. (Brian White)
- Deprecate `process.compile`, `process.ENV`
- Upgrade V8 to 3.0.3, upgrade `http-parser`.

2010.11.16, Version 0.3.1 (unstable)

<https://github.com/nodejs/node/commit/ce9a54aa1fbf709dd30316af8a2f14d83150e947>

- TLS improvements (Paul Querna)
 - Centralize error handling in `SecureStream`
 - Add `SecurePair` for handling of a `ssl/tls` stream.
- New documentation organization (Micheil Smith)
- `allowHalfOpen` TCP connections disabled by default.
- Add C++ API for constructing fast buffer from string
- Move idle timers into its own module
- Gracefully handle `EMFILE` and `server.maxConnections`
- make "`node --eval`" eval in the global scope. (Jorge Chamorro Bieling)
- Let exit listeners know the exit code (isaacs)
- Handle cyclic links smarter in `fs.realpath` (isaacs)
- Remove `node-repl` (just use 'node' without args)
- Rewrite `libeio` After callback to use `req->result` instead of `req->errno` for error checking (Micheil Smith)

- Remove warning about deprecating 'sys' - too aggressive
- Make writes to process.env update the real environment. (Ben Noordhuis)
- Set FD_CLOEXEC flag on stdio FDs before spawning. (Guillaume Tuton)
- Move ev_loop out of javascript
- Switch \n with \r\n for all strings printed out.
- Added support for cross compilation (Rasmus Andersson)
- Add --profile flag to configure script, enables gprof profiling. (Ben Noordhuis)
- writeFileSync could exhibit pathological behavior when a buffer could not be written to the file in a single write() call.
- new path.join behavior (isaacs)
 - Express desired path.join behavior in tests.
 - Update fs.realpath to reflect new path.join behavior
 - Update url.resolve() to use new path.join behavior.
- API: Move process.binding('evals') to require('vm')
- Fix V8 build on Cygwin (Bert Belder)
- Add ref to buffer during fs.write and fs.read
- Fix segfault on test-crypto
- Upgrade http-parser to latest and V8 to 2.5.3

2010.10.23, Version 0.3.0 (unstable)

<https://github.com/nodejs/node/commit/1582cfebd6719b2d2373547994b3dca5c8c569c0>

- Bugfix: Do not spin on accept() with EMFILE
- Improvements to readline.js (Trent Mick, Johan Euphrosine, Brian White)
- Safe constructors (missing 'new' doesn't segfault)
- Fix process.nextTick so thrown errors don't confuse it. (Benjamin Thomas)
- Allow Strings for ports on net.Server.listen (Bradley Meck)
- fs bugfixes (Tj Holowaychuk, Tobie Langel, Marco Rogers, isaacs)
- http bug fixes (Fedor Indutny, Mikeal Rogers)
- Faster buffers; breaks C++ API (Tim-Smart, Stéphan Kochen)
- crypto, tls improvements (Paul Querna)
- Add lfs flags to node addon script
- Simpler querystring parsing; breaks API (Peter Griess)

- HTTP trailers (Mark Nottingham)
- http 100-continue support (Mark Nottingham)
- Module system simplifications (Herbert Vojčík, isaacs, Tim-Smart)
 - remove require.async
 - remove registerExtension, add .extensions
 - expose require.resolve
 - expose require.cache
 - require looks in node_modules folders
- Add --eval command line option (TJ Holowaychuk)
- Commas last in sys.inspect
- Constants moved from process object to require('constants')
- Fix parsing of linux memory (Vitali Lovich)
- inspect shows function names (Jorge Chamorro Bieling)
- uncaughtException corner cases (Felix Geisendörfer)
- TCP clients now buffer writes before connection
- Rename sys module to 'util' (Micheil Smith)
- Properly set stdio handlers to blocking on SIGTERM and SIGINT (Tom Hughes)
- Add destroy methods to HTTP messages
- base64 improvements (isaacs, Jorge Chamorro Bieling)
- API for defining REPL commands (Sami Samhuri)
- child_process.exec timeout fix (Aaron Heckmann)
- Upgrade V8 to 2.5.1, Libev to 4.00, libeio, http-parser

2010.08.20, Version 0.2.0

<https://github.com/nodejs/node/commit/9283e134e558900ba89d9a33c18a9bdedab07cb9>

- process.title support for FreeBSD, Macintosh, Linux
- Fix OpenSSL 100% CPU usage on error (Illarionov Oleg)
- Implement net.Server.maxConnections.
- Fix process.platform, add process.version.
- Add --without-snapshot configure option.
- Readline REPL improvements (Trent Mick)
- Bug fixes.
- Upgrade V8 to 2.3.8

2010.08.13, Version 0.1.104

<https://github.com/nodejs/node/commit/b14dd49222687c12f3e8eac597c4f2674f84e8>

- Various bug fixes (console, querystring, require)
- Set cwd for child processes (Bert Belder)
- Tab completion for readline (Trent Mick)
- process.title getter/setter for OSX, Linux, Cygwin. (Rasmus Andersson, Bert Belder)
- Upgrade V8 to 2.3.6

2010.08.04, Version 0.1.103

<https://github.com/nodejs/node/commit/0b925d075d359d03426f0b32bb58a5e05825b4ea>

- Implement keep-alive for http.Client (Mikeal Rogers)
- base64 fixes. (Ben Noordhuis)
- Fix --debug-brk (Danny Coates)
- Don't let path.normalize get above the root. (Isaac Schlueter)
- Allow signals to be used with process.on in addition to process.addListener. (Brian White)
- Globalize the Buffer object
- Use kqueue on recent macintosh builds
- Fix addrlen for unix_dgram sockets (Benjamin Kramer)
- Fix stats.isDirectory() and friends (Benjamin Kramer)
- Upgrade http-parser, V8 to 2.3.5

2010.07.25, Version 0.1.102

<https://github.com/nodejs/node/commit/2a4568c85f33869c75ff43ccd30f0ec188b43eab>

- base64 encoding for Buffers.
- Buffer support for Cipher, Decipher, Hmac, Sign and Verify (Andrew Naylor)
- Support for reading byte ranges from files using fs.createReadStream. (Chandra Sekar)
- Fix Buffer.toString() on 0-length slices. (Peter Griess)
- Cache modules based on filename rather than ID (Isaac Schlueter)
- querystring improvements (Jan Kassens, Micheil Smith)
- Support DEL in the REPL. (Jérémy Lal)
- Upgrade http-parser, upgrade V8 to 2.3.2

2010.07.16, Version 0.1.101

<https://github.com/nodejs/node/commit/0174ceb6b24caa0bdfc523934c56af9600fa9b58>

- Added env to child_process.exec (Сергей Крыжановский)
- Allow modules to optionally be loaded in separate contexts with env var NODE_MODULE_CONTEXTS=1.
- setTTL and setBroadcast for dgram (Matt Ranney)
- Use execPath for default NODE_PATH, not installPrefix (Isaac Schlueter)
- Support of console.dir + console.assert (Jerome Etienne)
- on() as alias to addListener()
- Use javascript port of Ronn to build docs (Jérémy Lal)
- Upgrade V8 to 2.3.0

2010.07.03, Version 0.1.100

<https://github.com/nodejs/node/commit/a6b8586e947f9c3ced180fe68c233d0c252add8b>

- process.execPath (Marshall Culpepper)
- sys.pump (Mikeal Rogers)
- Remove ini and mjsunit libraries.
- Introduce console.log() and friends.
- Switch order of arguments for Buffer.write (Blake Mizerany)
- On overlapping buffers use memmove (Matt Ranney)
- Resolve .local domains with getaddrinfo()
- Upgrade http-parser, V8 to 2.2.21

2010.06.21, Version 0.1.99

<https://github.com/nodejs/node/commit/a620b7298f68f68a855306437a3b60b650d61d78>

- Datagram sockets (Paul Querna)
- fs.writeFile could not handle utf8 (Felix Geisendörfer) and now accepts Buffers (Aaron Heckmann)
- Fix crypto memory leaks.
- A replacement for decodeURIComponent that doesn't throw. (Isaac Schlueter)
- Only concatenate some incoming HTTP headers. (Peter Griess)
- Upgrade V8 to 2.2.18

2010.06.11, Version 0.1.98

<https://github.com/nodejs/node/commit/10d8adb08933d1d4cea60192c2a31c56d896733d>

- Port to Windows/Cygwin (Raffaele Sena)
- File descriptor passing on unix sockets. (Peter Griess)

- Simple, builtin readline library. REPL is now entered by executing "node" without arguments.
- Add a parameter to spawn() that sets the child's stdio file descriptors. (Orlando Vazquez)
- Upgrade V8 to 2.2.16, http-parser fixes, upgrade c-ares to 1.7.3.

2010.05.29, Version 0.1.97

<https://github.com/nodejs/node/commit/0c1aa36835fa6a3557843dcbc6ed6714d353a783>

- HTTP throttling: outgoing messages emit 'drain' and write() returns false when send buffer is full.
- API: readFileSync without encoding argument now returns a Buffer
- Improve Buffer C++ API; addons now compile with debugging symbols.
- Improvements to path.extname() and REPL; add fs.chown().
- fs.ReadStream now emits buffers, fs.readFileSync returns buffers.
- Bugfix: parsing HTTP responses to HEAD requests.
- Port to OpenBSD.
- Upgrade V8 to 2.2.12, libeio, http-parser.

2010.05.21, Version 0.1.96

<https://github.com/nodejs/node/commit/9514a4d5476225e8c8310ce5acae2857033bcaaa>

- Thrown errors in http and socket call back get bubbled up.
- Add fs.fsync (Andrew Johnston)
- Bugfix: signal unregistering (Jonas Pfenniger)
- Added better error messages for async and sync fs calls with paths (TJ Holowaychuk)
- Support arrays and strings in buffer constructor. (Felix Geisendörfer)
- Fix errno reporting in DNS exceptions.
- Support buffers in fs.WriteStream.write.
- Bugfix: Safely decode a utf8 streams that are broken on a multbyte character (http and net). (Felix Geisendörfer)
- Make Buffer's C++ constructor public.
- Deprecate sys.p()
- FIX path.dirname('/tmp') => '/'. (Jonathan Rentzsch)

2010.05.13, Version 0.1.95

<https://github.com/nodejs/node/commit/0914d33842976c2c870df06573b68f9192a1fb7a>

- Change GC idle notify so that it runs alongside setInterval
- Install node_buffer.h on make install
- fs.readFile returns Buffer by default (Tim Caswell)
- Fix error reporting in child_process callbacks
- Better logic for testing if an argument is a port
- Improve error reporting (single line "node.js:176:9" errors)
- Bugfix: Some http responses being truncated (appeared in 0.1.94)
- Fix long standing net idle timeout bugs. Enable 2 minute timeout by default in HTTP servers.
- Add fs.fstat (Ben Noordhuis)
- Upgrade to V8 2.2.9

2010.05.06, Version 0.1.94

<https://github.com/nodejs/node/commit/f711d5343b29d1e72e87107315708e40951a7826>

- Look in /usr/local/lib/node for modules, so that there's a way to install modules globally (Issac Schlueter)
- SSL improvements (Rhys Jones, Paulo Matias)
- Added c-ares headers for linux-arm (Jonathan Knezek)
- Add symbols to release build
- HTTP upgrade improvements, docs (Micheil Smith)
- HTTP server emits 'clientError' instead of printing message
- Bugfix: Don't emit 'error' twice from http.Client
- Bugfix: Ignore SIGPIPE
- Bugfix: destroy() instead of end() http connection at end of pipeline
- Bugfix: http.Client may be prematurely released back to the free pool. (Thomas Lee)
- Upgrade V8 to 2.2.8

2010.04.29, Version 0.1.93

<https://github.com/nodejs/node/commit/557ba6bd97bad3afe0f9bd3ac07efac0a39978c1>

- Fixed no 'end' event on long chunked HTTP messages <https://github.com/joyent/node/issues/77>
- Remove legacy modules http_old and tcp_old
- Support DNS MX queries (Jérémy Lal)
- Fix large socket write (tlb@tlb.org)

- Fix child process exit codes (Felix Geisendörfer)
- Allow callers to disable PHP/Rails style parameter munging in querystring.stringify (Thomas Lee)
- Upgrade V8 to 2.2.6

2010.04.23, Version 0.1.92

<https://github.com/nodejs/node/commit/caa828a242f39b6158084ef4376355161c14fe34>

- OpenSSL support. Still undocumented (see tests). (Rhys Jones)
- API: Unhandled 'error' events throw.
- Script class with eval-function-family in binding('evals') plus tests. (Herbert Vojcik)
- stream.setKeepAlive (Julian Lamb)
- Bugfix: Force no body on http 204 and 304
- Upgrade Waf to 1.5.16, V8 to 2.2.4.2

2010.04.15, Version 0.1.91

<https://github.com/nodejs/node/commit/311d7dee19034ff1c6bc9098c36973b8d687eaba>

- Add incoming.httpVersion
- Object.prototype problem with C-Ares binding
- REPL can be run from multiple different streams. (Matt Ranney)
- After V8 heap is compact, don't use a timer every 2 seconds.
- Improve nextTick implementation.
- Add primitive support for Upgrading HTTP connections. (See commit log for docs 760bba5)
- Add timeout and maxBuffer options to child_process.exec
- Fix bugs.
- Upgrade V8 to 2.2.3.1

2010.04.09, Version 0.1.90

<https://github.com/nodejs/node/commit/07e64d45ffa1856e824c4fa6afd0442ba61d6fd8>

- Merge writing of networking system (net2)
 - New Buffer object for binary data.
 - Support UNIX sockets, Pipes
 - Uniform stream API
 - Currently no SSL
 - Legacy modules can be accessed at 'http_old' and 'tcp_old'

- Replace udns with c-ares. (Krishna Rajendran)
- New documentation system using Markdown and Ronn (Tim Caswell, Micheil Smith)
- Better idle-time GC
- Countless small bug fixes.
- Upgrade V8 to 2.2.X, WAF 1.5.15

2010.03.19, Version 0.1.33

<https://github.com/nodejs/node/commit/618296ef571e873976f608d91a3d6b9e65fe8284>

- Include lib/ directory in node executable. Compile on demand.
- evalcx clean ups (Isaac Z. Schlueter, Tim-Smart)
- Various fixes, clean ups
- V8 upgraded to 2.1.5

2010.03.12, Version 0.1.32

<https://github.com/nodejs/node/commit/61c801413544a50000faa7f58376e9b33ba6254f>

- Optimize event emitter for single listener
- Add process.evalcx, require.registerExtension (Tim Smart)
- Replace --cflags with --vars
- Fix bugs in fs.create*Stream (Felix Geisendörfer)
- Deprecate process.mixin, process.unloop
- Remove the 'Error: (no message)' exceptions, print stack trace instead
- INI parser bug fixes (Isaac Schlueter)
- FreeBSD fixes (Vanilla Hsu)
- Upgrade to V8 2.1.3, WAF 1.5.14a, libev

2010.03.05, Version 0.1.31

<https://github.com/nodejs/node/commit/39b63dfe1737d46a8c8818c92773ef181fd174b3>

- API:
 - Move process.watchFile into fs module
 - Move process.inherits to sys
- Improve Solaris port

- `tcp.Connection.prototype.write` now returns boolean to indicate if argument was flushed to the kernel buffer.
- Added `fs.link`, `fs.symlink`, `fs.readlink`, `fs.realpath` (Rasmus Andersson)
- Add `setgid`, `getgid` (James Duncan)
- Improve `sys.inspect` (Benjamin Thomas)
- Allow passing `env` to child process (Isaac Schlueter)
- `fs.createWriteStream`, `fs.createReadStream` (Felix Geisendörfer)
- Add INI parser (Rob Ellis)
- Bugfix: `fs.readFile` handling encoding (Jacek Becela)
- Upgrade V8 to 2.1.2

2010.02.22, Version 0.1.30

<https://github.com/nodejs/node/commit/bb0d1e65e1671aueb21fac186b066701da0bc33b>

- Major API Changes
 - Promises removed. See <https://groups.google.com/group/nodejs/msg/426f3071f3eec16b> <https://groups.google.com/group/nodejs/msg/df199d233ff17efa> The API for `fs` was `fs.readdir("/usr").addCallback(function (files) { puts("/usr files: " + files); });`; It is now `fs.readdir("/usr", function (err, files) { if (err) throw err; puts("/usr files: " + files); });`
 - Synchronous `fs` operations exposed, use with care.
 - `tcp.Connection.prototype.readPause()` and `readResume()` renamed to `pause()` and `resume()`
 - `http.ServerResponse.prototype.sendHeader()` renamed to `writeHeader()`. Now accepts `reasonPhrase`.
- Compact garbage on idle.
- Configurable debug ports, and `--debug-brk` (Zoran Tomicic)
- Better command line option parsing (Jeremy Ashkenas)
- Add `fs.chmod` (Micheil Smith), `fs.lstat` (Isaac Z. Schlueter)
- Fixes to `process.mixin` (Rasmus Andersson, Benjamin Thomas)
- Upgrade V8 to 2.1.1

2010.02.17, Version 0.1.29

<https://github.com/nodejs/node/commit/87d5e5b316a4276bcf881f176971c1a237dc7a>

- Major API Changes
 - Remove 'file' module
 - `require('posix')` -----> `require('fs')`
 - `fs.cat` -----> `fs.readFile`

- `file.write` -----> `fs.writeFile`
- TCP 'receive' event -----> 'data'
- TCP 'eof' event -----> 'end'
- TCP `send()` -----> `write()`
- HTTP `sendBody()` -----> `write()`
- HTTP `finish()` -----> `close()`
- HTTP 'body' event -----> 'data'
- HTTP 'complete' event -----> 'end'
- `http.Client.prototype.close()` (formerly `finish()`) no longer takes an argument. Add the 'response' listener manually.
- Allow strings for the flag argument to `fs.open` ("r", "r+", "w", "w+", "a", "a+")
- Added multiple arg support for `sys.puts()`, `print()`, etc. (tj@vision-media.ca)
- `sys.inspect(Date)` now shows the date value (Mark Hansen)
- Calculate page size with `getpagesize` for armel (Jérémy Lal)
- Bugfix: `stderr` flushing.
- Bugfix: Promise late chain (Yuichiro MASUI)
- Bugfix: `wait()` on fired promises (Felix Geisendörfer, Jonas Pfenniger)
- Bugfix: Use `InstanceTemplate()` instead of `PrototypeTemplate()` for accessor methods. Was causing a crash with Eclipse debugger. (Zoran Tomicic)
- Bugfix: Throw from `connection.connect` if resolving. (Reported by James Golick)

2010.02.09, Version 0.1.28

<https://github.com/nodejs/node/commit/49de41ef463292988ddacfb01a20543b963d9669>

- Use Google's `jsmin.py` which can be used for evil.
- Add `posix.truncate()`
- Throw errors from `server.listen()`
- `stdio` bugfix (test by Mikeal Rogers)
- Module system refactor (Felix Geisendörfer, Blaine Cook)
- Add `process.setuid()`, `getuid()` (Michael Carter)
- `sys.inspect` refactor (Tim Caswell)
- Multipart library rewrite (isaacs)

2010.02.03, Version 0.1.27

<https://github.com/nodejs/node/commit/0cfa789cc530848725a8cb5595224e78ae7b9dd0>

- Implemented `__dirname` (Felix Geisendörfer)

- Downcase process.ARGV, process.ENV, GLOBAL (now process.argv, process.env, global)
- Bug Fix: Late promise promise callbacks firing (Felix Geisendörfer, Jonas Pfenniger)
- Make assert.AssertionError instance of Error
- Removed inline require call for querystring (self@cloudhead.net)
- Add support for MX, TXT, and SRV records in DNS module. (Blaine Cook)
- Bugfix: HTTP client automatically reconnecting
- Adding OS X .dmg build scripts. (Standa Opichal)
- Bugfix: ObjectWrap memory leak
- Bugfix: Multipart handle Content-Type headers with charset (Felix Geisendörfer)
- Upgrade http-parser to fix header overflow attack.
- Upgrade V8 to 2.1.0
- Various other bug fixes, performance improvements.

2010.01.20, Version 0.1.26

<https://github.com/nodejs/node/commit/da00413196e432247346d9e587f8c78ce5ceb087>

- Bugfix, HTTP eof causing crash (Ben Williamson)
- Better error message on SyntaxError
- API: Move Promise and EventEmitter into 'events' module
- API: Add process.nextTick()
- Allow optional params to setTimeout, setInterval (Micheil Smith)
- API: change some Promise behavior (Felix Geisendörfer)
 - Removed Promise.cancel()
 - Support late callback binding
 - Make unhandled Promise errors throw an exception
- Upgrade V8 to 2.0.6.1
- Solaris port (Erich Ocean)

2010.01.09, Version 0.1.25

<https://github.com/nodejs/node/commit/39ca93549af91575ca9d4cbafd1e170fbcef3dfa>

- sys.inspect() improvements (Tim Caswell)
- path module improvements (isaacs, Benjamin Thomas)

- API: request.uri -> request.url It is no longer an object, but a string. The 'url' module was added to parse that string. That is, node no longer parses the request URL automatically. require('url').parse(request.url) is roughly equivalent to the old request.uri object. (isaacs)
- Bugfix: Several libeio related race conditions.
- Better errors for multipart library (Felix Geisendörfer)
- Bugfix: Update node-waf version to 1.5.10
- getmem for freebsd (Vanilla Hsu)

2009.12.31, Version 0.1.24

<https://github.com/nodejs/node/commit/642c2773a7eb2034f597af1cd404b9e086b59632>

- Bugfix: don't chunk responses to HTTP/1.0 clients, even if they send Connection: Keep-Alive (e.g. wget)
- Bugfix: libeio race condition
- Bugfix: Don't segfault on unknown http method
- Simplify exception reporting
- Upgrade V8 to 2.0.5.4

2009.12.22, Version 0.1.23

<https://github.com/nodejs/node/commit/f91e347eeeeac1a8bd6a7b462df0321b60f3affc>

- Bugfix: require("../blah") issues (isaacs)
- Bugfix: posix.cat (Jonas Pfenniger)
- Do not pause request for multipart parsing (Felix Geisendörfer)

2009.12.19, Version 0.1.22

<https://github.com/nodejs/node/commit/a2d809fe902f6c4102dba8f2e3e9551aad137c0f>

- Bugfix: child modules get wrong id with "index.js" (isaacs)
- Bugfix: require("../foo") cycles (isaacs)
- Bugfix: require() should throw error if module does.
- New URI parser stolen from Narwhal (isaacs)
- Bugfix: correctly check kqueue and epoll. (Rasmus Andersson)
- Upgrade WAF to 1.5.10
- Bugfix: posix.statSync() was crashing
- Statically define string symbols for performance improvement

- Bugfix: ARGV[0] weirdness
- Added superCtor to ctor.super_ instead superCtor.prototype. (Johan Dahlberg)
- http-parser supports webdav methods
- API: http.Client.prototype.request() (Christopher Lenz)

2009.12.06, Version 0.1.21

<https://github.com/nodejs/node/commit/c6affb64f96a403a14d20035e7fbd6d0ce089db5>

- Feature: Add HTTP client TLS support (Rhys Jones)
- Bugfix: use --jobs=1 with WAF
- Bugfix: Don't use chunked encoding for 1.0 requests
- Bugfix: Duplicated header weren't handled correctly
- Improve sys.inspect (Xavier Shay)
- Upgrade v8 to 2.0.3
- Use CommonJS assert API (Felix Geisendörfer, Karl Guertin)

2009.11.28, Version 0.1.20

<https://github.com/nodejs/node/commit/aa42c6790da8ed2cd2b72051c07f6251fe1724d8>

- Add gnutls version to configure script
- Add V8 heap info to process.memoryUsage()
- process.watchFile callback has 2 arguments with the stat object (choonkeat@gmail.com)

2009.11.28, Version 0.1.19

<https://github.com/nodejs/node/commit/633d6be328708055897b72327b88ac88e158935f>

- Feature: Initial TLS support for TCP servers and clients. (Rhys Jones)
- Add options to process.watchFile()
- Add process.umask() (Friedemann Altmann)
- Bugfix: only detach timers when active.
- Bugfix: lib/file.js write(), shouldn't always emit errors or success (onne@onnolucky.com)
- Bugfix: Memory leak in fs.write (Reported by onne@onnolucky.com)
- Bugfix: Fix regular expressions detecting outgoing message headers. (Reported by Elliott Cable)
- Improvements to Multipart parser (Felix Geisendörfer)

- New HTTP parser
- Upgrade v8 to 2.0.2

2009.11.17, Version 0.1.18

<https://github.com/nodejs/node/commit/027829d2853a14490e6de9fc5f7094652d045ab8>

- Feature: process.watchFile() process.unwatchFile()
- Feature: "uncaughtException" event on process (Felix Geisendörfer)
- Feature: 'drain' event to tcp.Connection
- Bugfix: Promise.timeout() blocked the event loop (Felix Geisendörfer)
- Bugfix: sendBody() and chunked utf8 strings (Felix Geisendörfer)
- Supply the strerror as a second arg to the tcp.Connection close event (Johan Sørensen)
- Add EventEmitter.removeListener (frodenius@gmail.com)
- Format JSON for inspecting objects (Felix Geisendörfer)
- Upgrade libev to latest CVS

2009.11.07, Version 0.1.17

<https://github.com/nodejs/node/commit/d1f69ef35dac810530df8249d523add168e09f03>

- Feature: process.chdir() (Brandon Beacher)
- Revert http parser upgrade. (b893859c34f05db5c45f416949ebc0eee665cca6) Broke keep-alive.
- API: rename process.inherits to sys.inherits

2009.11.03, Version 0.1.16

<https://github.com/nodejs/node/commit/726865af7bbafe58435986f4a193ff11c84e4bfe>

- API: Use CommonJS-style module requiring
 - require("/sys.js") becomes require("sys")
 - require("circle.js") becomes require("./circle")
 - process.path.join() becomes require("path").join()
 - __module becomes module
- API: Many namespacing changes
 - Move node.* into process.*
 - Move node.dns into module "dns"
 - Move node.fs into module "posix"
 - process is no longer the global object. GLOBAL is.

For more information on the API changes see: <http://thread.gmane.org/gmane.comp.lang.javascript.nodejs/6>
<http://thread.gmane.org/gmane.comp.lang.javascript.nodejs/14>

- Feature: process.platform, process.memoryUsage()
- Feature: promise.cancel() (Felix Geisendörfer)
- Upgrade V8 to 1.3.18

2009.10.28, Version 0.1.15

<https://github.com/nodejs/node/commit/eca2de73ed786b935507fd1c6faccd8df9938fd3>

- Many build system fixes (esp. for OSX users)
- Feature: promise.timeout() (Felix Geisendörfer)
- Feature: Added external interface for signal handlers, process.pid, and process.kill() (Brandon Beacher)
- API: Rename node.libraryPaths to require.paths
- Bugfix: 'data' event for stdio should emit a string
- Large file support
- Upgrade http_parser
- Upgrade v8 to 1.3.16

2009.10.09, Version 0.1.14

<https://github.com/nodejs/node/commit/d79b6e9f7ffad4c6aabb5bd89108e2005366469>

- Feature: Improved addon builds with node-waf
- Feature: node.SignalHandler (Brandon Beacher)
- Feature: Enable V8 debugging (but still need to make a debugger)
- API: Rename library /utils.js to /sys.js
- Clean up Node's build system
- Don't use parseUri for HTTP server
- Remove node.pc
- Don't use /bin/sh to create child process except with exec()
- API: Add __module to reference current module
- API: Remove include() add node.mixin()
- Normalize http headers; "Content-Length" becomes "content-length"
- Upgrade V8 to 1.3.15

2009.09.30, Version 0.1.13

<https://github.com/nodejs/node/commit/9c9d67eb6ce1162c8da05ff59624f6c3ade19bf7>

- Feature: Multipart stream parser (Felix Geisendörfer)
- API: Move node.puts(), node.exec() and others to /utils.js
- API: Move http, tcp libraries to /http.js and /tcp.js
- API: Rename node.exit() to process.exit()
- Bugfix: require() and include() should work in callbacks.
- Pass the Host header in http.cat calls
- Add warning when coroutine stack size grows too large.
- Enhance repl library (Ray Morgan)
- Bugfix: build script for GCC 4.4 (removed -Werror in V8), on Linux 2.4, and with Python 2.4.4.
- Add read() and write() to /file.js to read and write whole files at once.

2009.09.24, Version 0.1.12

<https://github.com/nodejs/node/commit/2f56ccb45e87510de712f56705598b3b4e3548ec>

- Feature: System modules, node.libraryPaths
- API: Remove "raw" encoding, rename "raws" to "binary".
- API: Added connection.setNoDelay() to disable Nagle algo.
- Decrease default TCP server backlog to 128
- Bugfix: memory leak involving node.fs.* methods.
- Upgrade v8 to 1.3.13

2009.09.18, Version 0.1.11

<https://github.com/nodejs/node/commit/5ddc4f5d0c002bac0ae3d62fc0dc58f0d2d83ec4>

- API: default to utf8 encoding for node.fs.cat()
- API: add node.exec()
- API: node.fs.read() takes a normal encoding parameter.
- API: Change arguments of emit(), emitSuccess(), emitError()
- Bugfix: node.fs.write() was stack allocating buffer.
- Bugfix: ReportException shouldn't forget the top frame.
- Improve buffering for HTTP outgoing messages

- Fix and reenable x64 macintosh build.
- Upgrade v8 to 1.3.11

2009.09.11, Version 0.1.10

<https://github.com/nodejs/node/commit/12bb0d46ce761e3d00a27170e63b40408c15b558>

- Feature: raw string encoding "raws"
- Feature: access to environ through "ENV"
- Feature: add isDirectory, isFile, isSocket, ... methods to stats object.
- Bugfix: Internally use full paths when loading modules this fixes a shebang loading problem.
- Bugfix: Add '--' command line argument for separating v8 args from program args.
- Add man page.
- Add node-repl
- Upgrade v8 to 1.3.10

2009.09.05, Version 0.1.9

<https://github.com/nodejs/node/commit/ba6c5e38d54de30adfce69a21bafc81c35b07a03>

- Bugfix: Compile on Snow Leopard.
- Bugfix: Malformed URIs raising exceptions.

2009.09.04, Version 0.1.8

<https://github.com/nodejs/node/commit/734e86b9e568de5f694ae290a2b5c9395b70937c>

- Feature: External modules
- Feature: setTimeout() for node.tcp.Connection
- Feature: add node.cwd(), node.fs.readdir(), node.fs.mkdir()
- Bugfix: promise.wait() releasing out of order.
- Bugfix: Asyncly do getaddrinfo() on Apple.
- Disable useless evcom error messages.
- Better stack traces.
- Built natively on x64.
- Upgrade v8 to 1.3.9

2009.08.27, Version 0.1.7

<https://github.com/nodejs/node/commit/31db4f1ed837f3835937f60d31368bdb31998386>

- Feature: global 'process' object. Emits "exit".
- Feature: promise.wait()
- Feature: node.stdio
- Feature: EventEmitter emit "newListener" when listeners are added
- API: Use flat object instead of array-of-arrays for HTTP headers.
- API: Remove buffered file object (node.File)
- API: require(), include() are synchronous. (Uses continuations.)
- API: Deprecate onLoad and onExit.
- API: Rename node.Process to node.ChildProcess
- Refactor node.Process to take advantage of evcom_reader/writer.
- Upgrade v8 to 1.3.7

2009.08.22, Version 0.1.6

<https://github.com/nodejs/node/commit/9c97b1db3099d61cd292aa59ec2227a619f3a7ab>

- Bugfix: Ignore SIGPIPE.

2009.08.21, Version 0.1.5

<https://github.com/nodejs/node/commit/a73998d6f491227e595524dc70589369fb458224>

- Bugfix: Buggy connections could crash node.js. Now check connection before sending data every time (Kevin van Zonneveld)
- Bugfix: stdin fd (0) being ignored by node.File. (Abe Fettig)
- API: Remove connection.fullClose()
- API: Return the EventEmitter from addListener for chaining.
- API: tcp.Connection "disconnect" event renamed to "close"
- Upgrade evcom Upgrade v8 to 1.3.6

2009.08.13, Version 0.1.4

<https://github.com/nodejs/node/commit/0f888ed6de153f68c17005211d7e0f960a5e34f3>

- Major refactor to evcom.
- Enable test-tcp-many-clients.
- Add -m32 gcc flag to udns.

- Add connection.readPause() and connection.readResume() Add IncomingMessage.prototype.pause() and resume().
- Fix http benchmark. Wasn't correctly dispatching.
- Bugfix: response.setBodyEncoding("ascii") not working.
- Bugfix: Negative ints in HTTP's on_body and node.fs.read()
- Upgrade v8 to 1.3.4 Upgrade libev to 3.8 Upgrade http_parser to v0.2

2009.08.06, Version 0.1.3

<https://github.com/nodejs/node/commit/7464d423103b96c400d6875d390c19b637532ebf>

- Upgrade v8 to 1.3.2
- Bugfix: node.http.ServerRequest.setBodyEncoding('ascii') not working
- Bugfix: node.encodeUtf8 was broken. (Connor Dunn)
- Add ranlib to udns Makefile.
- Upgrade evcom - fix accepting too many connections issue.
- Initial support for shebang
- Add simple command line switches
- Add node.version API

2009.08.01, Version 0.1.2

<https://github.com/nodejs/node/commit/e10fbab00fd8325a7d05d1f854292143b8361e1f>

- Add DNS API
- node.tcp.Server's backlog option is now an argument to listen()
- Upgrade V8 to 1.3.1
- Bugfix: Default to chunked for client requests without Content-Length.
- Bugfix: Line numbers in stack traces.
- Bugfix: negative integers in raw encoding stream
- Bugfix: node.fs.File was not passing args to promise callbacks.

2009.07.27, Version 0.1.1

<https://github.com/nodejs/node/commit/77d407df2826b20e9177c26c0d2bb4481e497937>

- Simplify and clean up ObjectWrap.
- Upgrade liboi (which is now called evcom) Upgrade libev to 3.7 Upgrade V8 to 1.2.14

- Array.prototype.encodeUtf8 renamed to node.encodeUtf8(array)
- Move EventEmitter.prototype.emit() completely into C++.
- Bugfix: Fix memory leak in event emitters.
https://groups.google.com/group/nodejs/browse_thread/thread/a8d1dfc2fd57a6d1
- Bugfix: Had problems reading scripts with non-ascii characters.
- Bugfix: Fix Detach() in node::Server
- Bugfix: Sockets not properly reattached if reconnected during disconnect event.
- Bugfix: Server-side clients not attached between creation and on_connect.
- Add 'close' event to node.tcp.Server
- Simplify and clean up http.js. (Takes more advantage of event infrastructure.)
- Add benchmark scripts. Run with "make benchmark".

2009.06.30, Version 0.1.0

<https://github.com/nodejs/node/commit/813b53938b40484f63e7324c030e33711f26a149>

- Update documentation, use asciidoc.
- EventEmitter and Promise interfaces. (Breaks previous API.)
- Remove node.Process constructor in favor of node.createProcess
- Add -m32 flags for compiling on x64 platforms. (Thanks to András Bárházi)
- Upgrade v8 to 1.2.10 and libev to 3.6
- Bugfix: Timer::RepeatSetter wasn't working.
- Bugfix: Spawning many processes in a loop (reported by Felix Geisendörfer)

2009.06.24, Version 0.0.6

<https://github.com/nodejs/node/commit/fbe0be19ebfb422d8fa20ea5204c1713e9214d5f>

- Load modules via HTTP URLs (Urban Hafner)
- Bugfix: Add HTTPConnection->size() and HTTPServer->size()
- New node.Process API
- Clean up build tools, use v8's test runner.
- Use ev_unref() instead of starting/stopping the eio thread pool watcher.

2009.06.18, Version 0.0.5

<https://github.com/nodejs/node/commit/ec5f3dbae11ed121d24744861a8fce55636ecd66>

- Support for IPv6
- Remove namespace node.constants
- Upgrade v8 to 1.2.8.1
- Accept ports as strings in the TCP client and server.
- Bugfix: HTTP Client race
- Bugfix: freeaddrinfo() wasn't getting called after getaddrinfo() for TCP servers
- Add "opening" to TCP client readyState
- Add remoteAddress to TCP client
- Add global print() function.

2009.06.13, Version 0.0.4

<https://github.com/nodejs/node/commit/916b9ca715b229b0703f0ed6c2fc065410fb189c>

- Add interrupt() method to server-side HTTP requests.
- Bugfix: onBodyComplete was not getting called on server-side HTTP

2009.06.11, Version 0.0.3

<https://github.com/nodejs/node/commit/4cfc982c776475eb65fb1080e6b575a86505a347>

- Many bug fixes including the problem with http.Client on macintosh
- Upgrades v8 to 1.2.7
- Adds onExit hook
- Guard against buffer overflow in http parser
- require() and include() now need the ".js" extension
- http.Client uses identity transfer encoding by default.