

Gin ChangeLog

Gin v1.7.7

BUGFIXES

- Fixed X-Forwarded-For unsafe handling of CVE-2020-28483 #2844, closed issue #2862.
- Tree: updated the code logic for `latestNode` #2897, closed issue #2894 #2878.
- Tree: fixed the misplacement of adding slashes #2847, closed issue #2843.
- Tree: fixed `tsr` with mixed static and wildcard paths #2924, closed issue #2918.

ENHANCEMENTS

- `TrustedProxies`: make it backward-compatible #2887, closed issue #2819.
- `TrustedPlatform`: provide custom options for another CDN services #2906.

DOCS

- `NoMethod`: added usage annotation (#2832).

Gin v1.7.6

BUGFIXES

- bump new release to fix v1.7.5 release error by using v1.7.4 codes.

Gin v1.7.4

BUGFIXES

- bump new release to fix checksum mismatch

Gin v1.7.3

BUGFIXES

- fix level 1 router match #2767, #2796

Gin v1.7.2

BUGFIXES

- Fix conflict between param and exact path #2706. Close issue #2682 #2696.

Gin v1.7.1

BUGFIXES

- fix: data race with trustedCIDRs from #2674(#2675)

Gin v1.7.0

BUGFIXES

- fix compile error from #2572 (#2600)
- fix: print headers without Authorization header on broken pipe (#2528)
- fix(tree): reassign fullpath when register new node (#2366)

ENHANCEMENTS

- Support params and exact routes without creating conflicts (#2663)
- chore: improve render string performance (#2365)
- Sync route tree to httprouter latest code (#2368)
- chore: rename getQueryCache/getFormCache to initQueryCache/initFormCa (#2375)
- chore(performance): improve countParams (#2378)
- Remove some functions that have the same effect as the bytes package (#2387)
- update:SetMode function (#2321)
- remove a unused type SecureJSONPrefix (#2391)
- Add a redirect sample for POST method (#2389)
- Add CustomRecovery builtin middleware (#2322)
- binding: avoid 2038 problem on 32-bit architectures (#2450)
- Prevent panic in Context.GetQuery() when there is no Request (#2412)
- Add GetUint and GetUint64 method on gin.context (#2487)
- update content-disposition header to MIME-style (#2512)
- reduce allocs and improve the render `WriteString` (#2508)
- implement “Unwrap() error” on Error type (#2525) (#2526)
- Allow bind with a map[string]string (#2484)
- chore: update tree (#2371)
- Support binding for slice/array obj [Rewrite] (#2302)
- basic auth: fix timing oracle (#2609)
- Add mixed param and non-param paths (port of httprouter#329) (#2663)
- feat(engine): add trustedproxies and remoteIP (#2632)

Gin v1.6.3

ENHANCEMENTS

- Improve performance: Change `*sync.RWMutex` to `sync.RWMutex` in context. #2351

Gin v1.6.2

BUGFIXES

- fix missing initial sync.RWMutex #2305 ### ENHANCEMENTS
- Add set samesite in cookie. #2306

Gin v1.6.1

BUGFIXES

- Revert “fix accept incoming network connections” #2294

Gin v1.6.0

BREAKING

- chore(performance): Improve performance for adding RemoveExtraSlash flag #2159
- drop support govendor #2148
- Added support for SameSite cookie flag #1615 ### FEATURES
- add yaml negotiation #2220
- FileFromFS #2112 ### BUGFIXES
- Unix Socket Handling #2280
- Use json marshall in context json to fix breaking new line issue. Fixes #2209 #2228
- fix accept incoming network connections #2216
- Fixed a bug in the calculation of the maximum number of parameters #2166
- [FIX] allow empty headers on DataFromReader #2121
- Add mutex for protect Context.Keys map #1391 ### ENHANCEMENTS
- Add mitigation for log injection #2277
- tree: range over nodes values #2229
- tree: remove duplicate assignment #2222
- chore: upgrade go-isatty and json-iterator/go #2215
- path: sync code with httprouter #2212
- Use zero-copy approach to convert types between string and byte slice #2206
- Reuse bytes when cleaning the URL paths #2179
- tree: remove one else statement #2177
- tree: sync httprouter update (#2173) (#2172) #2171
- tree: sync part httprouter codes and reduce if/else #2163
- use http method constant #2155
- upgrade go-validator to v10 #2149
- Refactor redirect request in gin.go #1970
- Add build tag nomsgpack #1852 ### DOCS
- docs(path): improve comments #2223
- Renew README to fit the modification of SetCookie method #2217

- Fix spelling #2202
- Remove broken link from README. #2198
- Update docs on Context.Done(), Context.Deadline() and Context.Err() #2196
- Update validator to v10 #2190
- upgrade go-validator to v10 for README #2189
- Update to currently output #2188
- Fix “Custom Validators” example #2186
- Add project to README #2165
- docs(benchmarks): for gin v1.5 #2153
- Changed wording for clarity in README.md #2122 ### MISC
- ci support go1.14 #2262
- chore: upgrade depend version #2231
- Drop support go1.10 #2147
- fix comment in mode.go #2129

Gin v1.5.0

- [FIX] Use DefaultWriter and DefaultErrorWriter for debug messages #1891
- [NEW] Now you can parse the inline lowercase start structure #1893
- [FIX] Some code improvements #1909
- [FIX] Use encode replace json marshal increase json encoder speed #1546
- [NEW] Hold matched route full path in the Context #1826
- [FIX] Fix context.Params race condition on Copy() #1841
- [NEW] Add context param query cache #1450
- [FIX] Improve GetQueryMap performance #1918
- [FIX] Improve get post data #1920
- [FIX] Use context instead of x/net/context #1922
- [FIX] Attempt to fix PostForm cache bug #1931
- [NEW] Add support of multipart multi files #1949
- [NEW] Support bind http header param #1957
- [FIX] Drop support for go1.8 and go1.9 #1933
- [FIX] Bugfix for the FullPath feature #1919
- [FIX] Gin1.5 bytes.Buffer to strings.Builder #1939
- [FIX] Upgrade github.com/ugorji/go/codec #1969
- [NEW] Support bind unix time #1980
- [FIX] Simplify code #2004
- [NEW] Support negative Content-Length in DataFromReader #1981
- [FIX] Identify terminal on a RISC-V architecture for auto-colored logs #2019
- BREAKING Context.JSONP() now expects a semicolon (;) at the end #2007
- BREAKING Upgrade default binding.Validator to v9 (see its changelog) #1015
- [NEW] Add DisallowUnknownFields() in Context.BindJSON() #2028
- [NEW] Use specific net.Listener with Engine.RunListener() #2023

- [FIX] Fix some typo #2079 #2080
- [FIX] Relocate binding body tests #2086
- [FIX] Use Writer in Context.Status #1606
- [FIX] `Engine.RunUnix()` now returns the error if it can't change the file mode #2093
- [FIX] `RouterGroup.StaticFS()` leaked files. Now it closes them. #2118
- [FIX] `Context.Request.FormFile` leaked file. Now it closes it. #2114
- [FIX] Ignore walking on `form:"-"` mapping #1943

Gin v1.4.0

- [NEW] Support for Go Modules #1569
- [NEW] Refactor of form mapping multipart request #1829
- [FIX] Truncate Latency precision in long running request #1830
- [FIX] IsTerm flag should not be affected by DisableConsoleColor method. #1802
- [NEW] Supporting file binding #1264
- [NEW] Add support for mapping arrays #1797
- [FIX] Readme updates #1793 #1788 1789
- [FIX] StaticFS: Fixed Logging two log lines on 404. #1805, #1804
- [NEW] Make context.Keys available as LogFormatterParams #1779
- [NEW] Use internal/json for Marshal/Unmarshal #1791
- [NEW] Support mapping time.Duration #1794
- [NEW] Refactor form mappings #1749
- [NEW] Added flag to context.Stream indicates if client disconnected in middle of stream #1252
- [FIX] Moved examples to stand alone Repo #1775
- [NEW] Extend context.File to allow for the content-disposition attachments via a new method context.Attachment #1260
- [FIX] Support HTTP content negotiation wildcards #1112
- [NEW] Add prefix from X-Forwarded-Prefix in redirectTrailingSlash #1238
- [FIX] context.Copy() race condition #1020
- [NEW] Add context.HandlerNames() #1729
- [FIX] Change color methods to public in the defaultLogger. #1771
- [FIX] Update writeHeaders method to use http.Header.Set #1722
- [NEW] Add response size to LogFormatterParams #1752
- [NEW] Allow ignoring field on form mapping #1733
- [NEW] Add a function to force color in console output. #1724
- [FIX] Context.Next() - recheck len of handlers on every iteration. #1745
- [FIX] Fix all errcheck warnings #1739 #1653
- [NEW] context: inherits context cancellation and deadline from http.Request context for Go>=1.7 #1690
- [NEW] Binding for URL Params #1694
- [NEW] Add LoggerWithFormatter method #1677
- [FIX] CI testing updates #1671 #1670 #1682 #1669
- [FIX] StaticFS(): Send 404 when path does not exist #1663

- [FIX] Handle nil body for JSON binding #1638
- [FIX] Support bind uri param #1612
- [FIX] recovery: fix issue with syscall import on google app engine #1640
- [FIX] Make sure the debug log contains line breaks #1650
- [FIX] Panic stack trace being printed during recovery of broken pipe #1089 #1259
- [NEW] RunFd method to run http.Server through a file descriptor #1609
- [NEW] Yaml binding support #1618
- [FIX] Pass MaxMultipartMemory when FormFile is called #1600
- [FIX] LoadHTML* tests #1559
- [FIX] Removed use of sync.pool from HandleContext #1565
- [FIX] Format output log to os.Stderr #1571
- [FIX] Make logger use a yellow background and a darkgray text for legibility #1570
- [FIX] Remove sensitive request information from panic log. #1370
- [FIX] log.Println() does not print timestamp #829 #1560
- [NEW] Add PureJSON renderer #694
- [FIX] Add missing copyright and update if/else #1497
- [FIX] Update msgpack usage #1498
- [FIX] Use protobuf on render #1496
- [FIX] Add support for Protobuf format response #1479
- [NEW] Set default time format in form binding #1487
- [FIX] Add BindXML and ShouldBindXML #1485
- [NEW] Upgrade dependency libraries #1491

Gin v1.3.0

- [NEW] Add func (*Context) QueryMap, func (*Context) GetQueryMap, func (*Context) PostFormMap and func (*Context) GetPostFormMap to support type map[string]string as query string or form parameters, see #1383
- [NEW] Add func (*Context) AsciiJSON, see #1358
- [NEW] Add Pusher() in type ResponseWriter for supporting http2 push, see #1273
- [NEW] Add func (*Context) DataFromReader for serving dynamic data, see #1304
- [NEW] Add func (*Context) ShouldBindBodyWith allowing to call binding multiple times, see #1341
- [NEW] Support pointers in form binding, see #1336
- [NEW] Add func (*Context) JSONP, see #1333
- [NEW] Support default value in form binding, see #1138
- [NEW] Expose validator engine in type StructValidator, see #1277
- [NEW] Add func (*Context) ShouldBind, func (*Context) ShouldBindQuery and func (*Context) ShouldBindJSON, see #1047
- [NEW] Add support for time.Time location in form binding, see #1117
- [NEW] Add func (*Context) BindQuery, see #1029

- [NEW] Make jsonite optional with build tags, see #1026
- [NEW] Show query string in logger, see #999
- [NEW] Add `func (*Context) SecureJSON`, see #987 and #993
- [DEPRECATE] `func (*Context) GetCookie` for `func (*Context) Cookie`
- [FIX] Don't display color tags if `func DisableConsoleColor` called, see #1072
- [FIX] Gin Mode "" when calling `func Mode` now returns `const DebugMode`, see #1250
- [FIX] `Flush()` now doesn't overwrite `responseWriter` status code, see #1460

Gin 1.2.0

- [NEW] Switch from godeps to govendor
- [NEW] Add support for Let's Encrypt via gin-gonic/autotls
- [NEW] Improve README examples and add extra at examples folder
- [NEW] Improved support with App Engine
- [NEW] Add custom template delimiters, see #860
- [NEW] Add Template Func Maps, see #962
- [NEW] Add `*context.Handler()`, see #928
- [NEW] Add `*context.GetRawData()`
- [NEW] Add `*context.GetHeader()` (request)
- [NEW] Add `*context.AbortWithStatusJSON()` (JSON content type)
- [NEW] Add `*context.Keys` type cast helpers
- [NEW] Add `*context.ShouldBindWith()`
- [NEW] Add `*context.MustBindWith()`
- [NEW] Add `*engine.SetFuncMap()`
- [DEPRECATE] On next release: `*context.BindWith()`, see #855
- [FIX] Refactor render
- [FIX] Reworked tests
- [FIX] logger now supports cygwin
- [FIX] Use X-Forwarded-For before X-Real-IP
- [FIX] `time.Time` binding (#904)

Gin 1.1.4

- [NEW] Support google appengine for `IsTerminal` func

Gin 1.1.3

- [FIX] Reverted Logger: skip ANSI color commands

Gin 1.1

- [NEW] Implement `QueryArray` and `PostArray` methods

- [NEW] Refactor GetQuery and GetPostForm
- [NEW] Add contribution guide
- [FIX] Corrected typos in README
- [FIX] Removed additional Iota
- [FIX] Changed imports to gopkg instead of github in README (#733)
- [FIX] Logger: skip ANSI color commands if output is not a tty

Gin 1.0rc2 (...)

- [PERFORMANCE] Fast path for writing Content-Type.
- [PERFORMANCE] Much faster 404 routing
- [PERFORMANCE] Allocation optimizations
- [PERFORMANCE] Faster root tree lookup
- [PERFORMANCE] Zero overhead, String() and JSON() rendering.
- [PERFORMANCE] Faster ClientIP parsing
- [PERFORMANCE] Much faster SSE implementation
- [NEW] Benchmarks suite
- [NEW] Bind validation can be disabled and replaced with custom validators.
- [NEW] More flexible HTML render
- [NEW] Multipart and PostForm bindings
- [NEW] Adds method to return all the registered routes
- [NEW] Context.HandlerName() returns the main handler's name
- [NEW] Adds Error.IsType() helper
- [FIX] Binding multipart form
- [FIX] Integration tests
- [FIX] Crash when binding non struct object in Context.
- [FIX] RunTLS() implementation
- [FIX] Logger() unit tests
- [FIX] Adds SetHTMLTemplate() warning
- [FIX] Context.IsAborted()
- [FIX] More unit tests
- [FIX] JSON, XML, HTML renders accept custom content-types
- [FIX] gin.AbortIndex is unexported
- [FIX] Better approach to avoid directory listing in StaticFS()
- [FIX] Context.ClientIP() always returns the IP with trimmed spaces.
- [FIX] Better warning when running in debug mode.
- [FIX] Google App Engine integration. debugPrint does not use os.Stdout
- [FIX] Fixes integer overflow in error type
- [FIX] Error implements the json.Marshaller interface
- [FIX] MIT license in every file

Gin 1.0rc1 (May 22, 2015)

- [PERFORMANCE] Zero allocation router
- [PERFORMANCE] Faster JSON, XML and text rendering
- [PERFORMANCE] Custom hand optimized HttpRouter for Gin

- [PERFORMANCE] Misc code optimizations. Inlining, tail call optimizations
- [NEW] Built-in support for `golang.org/x/net/context`
- [NEW] `Any(path, handler)`. Create a route that matches any path
- [NEW] Refactored rendering pipeline (faster and static typed)
- [NEW] Refactored errors API
- [NEW] `IndentedJSON()` prints pretty JSON
- [NEW] Added `gin.DefaultWriter`
- [NEW] UNIX socket support
- [NEW] `RouterGroup.BasePath` is exposed
- [NEW] JSON validation using `go-validate-yourself` (very powerful options)
- [NEW] Completed suite of unit tests
- [NEW] HTTP streaming with `c.Stream()`
- [NEW] `StaticFile()` creates a router for serving just one file.
- [NEW] `StaticFS()` has an option to disable directory listing.
- [NEW] `StaticFS()` for serving static files through virtual filesystems
- [NEW] Server-Sent Events native support
- [NEW] `WrapF()` and `WrapH()` helpers for wrapping `http.HandlerFunc` and `http.Handler`
- [NEW] Added `LoggerWithWriter()` middleware
- [NEW] Added `RecoveryWithWriter()` middleware
- [NEW] Added `DefaultPostFormValue()`
- [NEW] Added `DefaultFormValue()`
- [NEW] Added `DefaultParamValue()`
- [FIX] `BasicAuth()` when using custom realm
- [FIX] Bug when serving static files in nested routing group
- [FIX] Redirect using built-in `http.Redirect()`
- [FIX] Logger when printing the requested path
- [FIX] Documentation typos
- [FIX] `Context.Engine` renamed to `Context.engine`
- [FIX] Better debugging messages
- [FIX] `ErrorLogger`
- [FIX] Debug HTTP render
- [FIX] Refactored binding and render modules
- [FIX] Refactored Context initialization
- [FIX] Refactored `BasicAuth()`
- [FIX] `NoMethod/NoRoute` handlers
- [FIX] Hijacking http
- [FIX] Better support for Google App Engine (using `log` instead of `fmt`)

Gin 0.6 (Mar 9, 2015)

- [NEW] Support multipart/form-data
- [NEW] `NoMethod` handler
- [NEW] Validate sub structures
- [NEW] Support for HTTP Realm Auth

- [FIX] Unsigned integers in binding
- [FIX] Improve color logger

Gin 0.5 (Feb 7, 2015)

- [NEW] Content Negotiation
- [FIX] Solved security bug that allow a client to spoof ip
- [FIX] Fix unexported/ignored fields in binding

Gin 0.4 (Aug 21, 2014)

- [NEW] Development mode
- [NEW] Unit tests
- [NEW] Add Content.Redirect()
- [FIX] Deferring WriteHeader()
- [FIX] Improved documentation for model binding

Gin 0.3 (Jul 18, 2014)

- [PERFORMANCE] Normal log and error log are printed in the same call.
- [PERFORMANCE] Improve performance of NoRouter()
- [PERFORMANCE] Improve context's memory locality, reduce CPU cache faults.
- [NEW] Flexible rendering API
- [NEW] Add Context.File()
- [NEW] Add shortcut RunTLS() for http.ListenAndServeTLS
- [FIX] Rename NotFound404() to NoRoute()
- [FIX] Errors in context are purged
- [FIX] Adds HEAD method in Static file serving
- [FIX] Refactors Static() file serving
- [FIX] Using keyed initialization to fix app-engine integration
- [FIX] Can't unmarshal JSON array, #63
- [FIX] Renaming Context.Req to Context.Request
- [FIX] Check application/x-www-form-urlencoded when parsing form

Gin 0.2b (Jul 08, 2014)

- [PERFORMANCE] Using sync.Pool to allocatio/gc overhead
- [NEW] Travis CI integration
- [NEW] Completely new logger
- [NEW] New API for serving static files. gin.Static()
- [NEW] gin.H() can be serialized into XML
- [NEW] Typed errors. Errors can be typed. Internet/external/custom.
- [NEW] Support for Godeps
- [NEW] Travis/Godocs badges in README
- [NEW] New Bind() and BindWith() methods for parsing request body.

- [NEW] Add `Content.Copy()`
- [NEW] Add `context.LastError()`
- [NEW] Add shortcut for `OPTIONS` HTTP method
- [FIX] Tons of README fixes
- [FIX] Header is written before body
- [FIX] `BasicAuth()` and changes API a little bit
- [FIX] `Recovery()` middleware only prints panics
- [FIX] `Context.Get()` does not panic anymore. Use `MustGet()` instead.
- [FIX] Multiple `http.WriteHeader()` in `NotFound` handlers
- [FIX] `Engine.Run()` panics if http server can't be set up
- [FIX] Crash when route path doesn't start with `'/'`
- [FIX] Do not update header when status code is negative
- [FIX] Setting response headers before calling `WriteHeader` in `context.String()`
- [FIX] Add MIT license
- [FIX] Changes behaviour of `ErrorLogger()` and `Logger()`