

go-zoo / bone

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Lightning Fast HTTP Multiplexer <http://go-zoo.github.io/bone>

go

router

mux

 256 commits

 2 branches

 3 releases

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Branch: master ▾























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 squidz committed on GitHub	Update README.md	Latest commit 031b400 Jul 11, 2017
 example	fixed example/001 json encoding bug	Jul 3, 2017
 .gitignore	fixed issue #62	Apr 19, 2017
 .travis.yml	Update .travis.yml	Nov 27, 2016
 CHANGELOG.md	move changelog to its own file	Apr 27, 2017
 CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md	Jun 15, 2017
 CONTRIBUTING.md	Create CONTRIBUTING.md	Jun 15, 2017
 LICENSE	update Match()	Oct 2, 2015
 README.md	Update README.md	Jul 11, 2017
 bone.go	Fixes #60. Support for 405 HTTP Status Code, Method Not Allowed.	Apr 5, 2017
 bone_bench_test.go	Revert "Update Mux.serve"	Feb 24, 2017
 bone_context_test.go	conditionally compile go1.7 to preserve < 1.7 behavior	Sep 11, 2016
 bone_test.go	fixed issue #62	Apr 19, 2017
 helper.go	fixed issue #62	Apr 19, 2017
 helper_15.go	prevent memory leak for when a handler panics	Sep 11, 2016
 helper_17.go	conditionally compile go1.7 to preserve < 1.7 behavior	Sep 11, 2016
 helper_17_test.go	Added CaseSensitive option	Nov 27, 2016
 helper_test.go	Fixes #60. Support for 405 HTTP Status Code, Method Not Allowed.	Apr 5, 2017
 mux.go	Revert "Update Mux.serve"	Feb 24, 2017
 mux_test.go	Revert "Update Mux.serve"	Feb 24, 2017
 route.go	Fixes #60. Support for 405 HTTP Status Code, Method Not Allowed.	Apr 5, 2017
 route_test.go	Added CaseSensitive option	Nov 27, 2016

README.md

bone

godoc

reference

build

passing

go report

A+

used by

48 projects

What is bone ?

Bone is a lightweight and lightning fast HTTP Multiplexer for Golang. It support :

- URL Parameters
- REGEX Parameters
- Wildcard routes
- Router Prefix
- Sub Router, `mux.SubRoute()` , support most standard router (bone, gorilla/mux, httpRouter etc...)

- Http method declaration
- Support for `http.Handler` and `http.HandlerFunc`
- Custom NotFound handler
- Respect the Go standard `http.Handler` interface



Speed

- BenchmarkBoneMux	10000000	118 ns/op
- BenchmarkZeusMux	100000	144 ns/op
- BenchmarkHttpRouterMux	10000000	134 ns/op
- BenchmarkNetHttpMux	3000000	580 ns/op
- BenchmarkGorillaMux	300000	3333 ns/op
- BenchmarkGorillaPatMux	1000000	1889 ns/op

These test are just for fun, all these router are great and really efficient. Bone do not pretend to be the fastest router for every job.

Example

```
package main

import(
    "net/http"

    "github.com/go-zoo/bone"
)

func main () {
    mux := bone.New()

    // mux.Get, Post, etc ... takes http.Handler
    mux.Get("/home/:id", http.HandlerFunc(HomeHandler))
    mux.Get("/profil/:id/:var", http.HandlerFunc(ProfilHandler))
    mux.Post("/data", http.HandlerFunc(DataHandler))

    // Support REGEX Route params
    mux.Get("/index/#id^[0-9]$", http.HandlerFunc(IndexHandler))

    // Handle take http.Handler
    mux.Handle("/", http.HandlerFunc(RootHandler))

    // GetFunc, PostFunc etc ... takes http.HandlerFunc
    mux.GetFunc("/test", Handler)

    http.ListenAndServe(":8080", mux)
}

func Handler(rw http.ResponseWriter, req *http.Request) {
    // Get the value of the "id" parameters.
    val := bone.GetValue(req, "id")

    rw.Write([]byte(val))
}
```

Blog Posts

- <http://www.peterbe.com/plog/my-favorite-go-multiplexer>
- <https://harshladha.xyz/my-first-library-in-go-language-hasty-791b8e2b9e69>

Libs

- Errors dump for Go : [Trash](#)
- Middleware Chaining module : [Claw](#)

