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GoFrameprefix/

https://pkg.go.dev/github.com/gogf/gf/v2/net/ghttp#RouterGroup

```
//
func (s *Server) Group(prefix string, groups ...func(g *RouterGroup))
*RouterGroup

// Method
func (g *RouterGroup) ALL(pattern string, object interface{}, params...
interface{})
func (g *RouterGroup) GET(pattern string, object interface{}, params...
interface{})
func (g *RouterGroup) PUT(pattern string, object interface{}, params...
interface{})
func (g *RouterGroup) POST(pattern string, object interface{}, params...
interface{})
func (g *RouterGroup) DELETE(pattern string, object interface{}, params...
interface{})
...

//
func (g *RouterGroup) Middleware(handlers ...HandlerFunc) *RouterGroup

//
func (g *RouterGroup) Map(m map[string]interface{})
func (g *RouterGroup) ALLMap(m map[string]interface{})
```

1. Group
2. HTTP MethodHTTP MethodALLHTTP Method//RESTRESTful
3. Middleware

```
package main

import (
        "github.com/gogf/gf/v2/frame/g"
        "github.com/gogf/gf/v2/net/ghttp"
)

func main() {
        s := g.Server()
        s.Group("/api", func(group *ghttp.RouterGroup) {
                group.ALL("/all", func(r *ghttp.Request) {
                        r.Response.Write("all")
                })
                group.GET("/get", func(r *ghttp.Request) {
                        r.Response.Write("get")
                })
                group.POST("/post", func(r *ghttp.Request) {
                        r.Response.Write("post")
                })
        })
        s.SetPort(8199)
        s.Run()
}
```

```
SERVER  | DOMAIN  | ADDRESS | METHOD |   ROUTE   |     HANDLER     |
MIDDLEWARE
|---------|---------|---------|--------|-----------|-----------------
|------------|
  default | default | :8199   | ALL    | /api/all  | main.main.func1 |
|---------|---------|---------|--------|-----------|-----------------
|------------|
  default | default | :8199   | GET    | /api/get  | main.main.func2 |
|---------|---------|---------|--------|-----------|-----------------
|------------|
  default | default | :8199   | POST   | /api/post | main.main.func3 |
|---------|---------|---------|--------|-----------|-----------------
|------------|
```

/api/getGET/api/postPOST/api/all

curl

1. /api/get

```
$ curl http://127.0.0.1:8199/api/get
get
$ curl -X POST http://127.0.0.1:8199/api/get
Not Found
```

2. /api/post

```
$ curl http://127.0.0.1:8199/api/post
Not Found
$ curl -X POST http://127.0.0.1:8199/api/post post
```

3. /api/all

```
$ curl http://127.0.0.1:8199/api/all
all
$ curl -X POST http://127.0.0.1:8199/api/all
all
$ curl -X DELETE http://127.0.0.1:8199/api/all
all
$ curl -X OPTIONS http://127.0.0.1:8199/api/all
all
```

GoFramePHP Laravel😉

GoFrameHOOKHTTP Method

```
package main

import (
        "net/http"

        "github.com/gogf/gf/v2/frame/g"
        "github.com/gogf/gf/v2/net/ghttp"
        "github.com/gogf/gf/v2/util/gconv"
         "fmt"
)
```

```
func MiddlewareAuth(r *ghttp.Request) {
        token := r.Get("token")
        if gconv.String(token) == "123456" {
                r.Middleware.Next()
        } else {
                r.Response.WriteStatus(http.StatusForbidden)
        }
}

func MiddlewareCORS(r *ghttp.Request) {
        r.Response.CORSDefault()
        r.Middleware.Next()
}

func MiddlewareLog(r *ghttp.Request) {
        r.Middleware.Next()
        fmt.Println(r.Response.Status, r.URL.Path)
}

func main() {
        s := g.Server()
        s.Use(MiddlewareLog)
        s.Group("/api.v2", func(group *ghttp.RouterGroup) {
                group.Middleware(MiddlewareAuth, MiddlewareCORS)
                group.GET("/test", func(r *ghttp.Request) {
                        r.Response.Write("test")
                })
                group.Group("/order", func(group *ghttp.RouterGroup) {
                        group.GET("/list", func(r *ghttp.Request) {
                                r.Response.Write("list")
                        })
                        group.PUT("/update", func(r *ghttp.Request) {
                                r.Response.Write("update")
                        })
                })
                group.Group("/user", func(group *ghttp.RouterGroup) {
                        group.GET("/info", func(r *ghttp.Request) {
                                r.Response.Write("info")
                        })
                        group.POST("/edit", func(r *ghttp.Request) {
                                r.Response.Write("edit")
                        })
                        group.DELETE("/drop", func(r *ghttp.Request) {
                                r.Response.Write("drop")
                        })
                })
                group.Group("/hook", func(group *ghttp.RouterGroup) {
                        group.Hook("/*", ghttp.HookBeforeServe, func(r
*ghttp.Request) {
                                r.Response.Write("hook any")
                        })
                        group.Hook("/:name", ghttp.HookBeforeServe, func(r
*ghttp.Request) {
                                r.Response.Write("hook name")
                        })
                })
        })
        s.SetPort(8199)
        s.Run()
}
```

```
SERVER  | DOMAIN  | ADDRESS | METHOD |        ROUTE         |
HANDLER       |               MIDDLEWARE
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | ALL    | /*                   | main.
MiddlewareLog  | GLOBAL MIDDLEWARE
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | ALL    | /api.v2/hook/*       | main.main.
func1.4.1 | HOOK_BEFORE_SERVE
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | ALL    | /api.v2/hook/:name   | main.main.
func1.4.2 | HOOK_BEFORE_SERVE
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | GET    | /api.v2/order/list   | main.main.
func1.2.1 | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | PUT    | /api.v2/order/update | main.main.
func1.2.2 | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | GET    | /api.v2/test         | main.main.
func1.1   | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | DELETE | /api.v2/user/drop    | main.main.
func1.3.3 | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | POST   | /api.v2/user/edit    | main.main.
func1.3.2 | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
  default | default | :8199   | GET    | /api.v2/user/info    | main.main.
func1.3.1 | main.MiddlewareAuth,main.MiddlewareCORS
|---------|---------|---------|--------|----------------------
|---------------------|-----------------------------------------|
```

Map

MapURIHTTP MethodHTTP Method

```
package main

import (
        "github.com/gogf/gf/v2/frame/g"
        "github.com/gogf/gf/v2/net/ghttp"
)

func UserGet(r *ghttp.Request) {
        r.Response.Write("get")
}

func UserDelete(r *ghttp.Request) {
        r.Response.Write("delete")
}

func main() {
        s := g.Server()
        s.Group("/api", func(group *ghttp.RouterGroup) {
                group.Map(g.Map{
                        "GET:    /user": UserGet,
                        "DELETE: /user": UserDelete,
                })
        })
        s.SetPort(8199)
        s.Run()
}
```

AllMap

ALLMap/HTTP Method

```
s := g.Server()
//
s.Group("/", func(group *ghttp.RouterGroup) {
        group.Middleware(service.Middleware.Ctx)
        group.ALLMap(g.Map{
                "/":            api.Index,          //
                "/login":       api.Login,          //
                "/register":    api.Register,       //
                "/category":    api.Category,       //
                "/topic":       api.Topic,          //
                "/topic/:id":   api.Topic.Detail,   //  -
                "/ask":         api.Ask,            //
                "/ask/:id":     api.Ask.Detail,     //  -
                "/article":     api.Article,        //
                "/article/:id": api.Article.Detail, //  -
                "/reply":       api.Reply,          //
                "/search":      api.Search,         //
                "/captcha":     api.Captcha,        //
                "/user/:id":    api.User.Index,     //  -
        })
        //
        group.Group("/", func(group *ghttp.RouterGroup) {
                group.Middleware(service.Middleware.Auth)
                group.ALLMap(g.Map{
                        "/user":     api.User,     //
                        "/content":  api.Content,  //
                        "/interact": api.Interact, //
                        "/file":     api.File,     //
                })
        })
})
```