

## GolangWebServerHTTP

goframepanicServerpanic

HTTPpanicServer

RequestGetError

 recovergoframeServer

```
// GetError returns the error occurs in the procedure of the request.
// It returns nil if there's no error.
func (r *Request) GetError() error
```

HOOK

- ServerServerServernginxerror.log
- goframeerrorerror - Servererror

## Content Menu

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```

package main

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

func MiddlewareErrorHandler(r *ghttp.Request) {
    r.Middleware.Next()
    if err := r.GetError(); err != nil {
        //
        g.Log("exception").Error(err)
        //
        r.Response.ClearBuffer()
        r.Response.Writeln("")
    }
}

func main() {
    s := g.Server()
    s.Use(MiddlewareErrorHandler)
    s.Group("/api.v2", func(group *ghttp.RouterGroup) {
        group.ALL("/user/list", func(r *ghttp.Request) {
            panic("db error: sql is xxxxxxxx")
        })
    })
    s.SetPort(8199)
    s.Run()
}

```

curl

```

$ curl -v "http://127.0.0.1:8199/api.v2/user/list"
> GET /api.v2/user/list HTTP/1.1
> Host: 127.0.0.1:8199
> User-Agent: curl/7.61.1
> Accept: */*
>
< HTTP/1.1 500 Internal Server Error
< Server: GF HTTP Server
< Date: Sun, 19 Jul 2020 07:44:30 GMT
< Content-Length: 52
< Content-Type: text/plain; charset=utf-8
<

```

WebServerWebServerpanic

```

package main

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

func MiddlewareErrorHandler(r *ghttp.Request) {
    r.Middleware.Next()
    if err := r.GetError(); err != nil {
        r.Response.ClearBuffer()
        r.Response.Writef("%+v", err)
    }
}

func main() {
    s := g.Server()
    s.Use(MiddlewareErrorHandler)
    s.Group("/api.v2", func(group *ghttp.RouterGroup) {
        group.ALL("/user/list", func(r *ghttp.Request) {
            panic("db error: sql is xxxxxxxx")
        })
    })
    s.SetPort(8199)
    s.Run()
}

```

`%+v-curl`

```

$ curl "http://127.0.0.1:8199/api.v2/user/list"
db error: sql is xxxxxxxx
1. db error: sql is xxxxxxxx
  1).  main.main.func1.1
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:25
  2).  github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.8
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:111
  3).  github.com/gogf/gf/v2/net/ghttp.niceCallFunc
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
  4).  github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:110
  5).  github.com/gogf/gf/v2/util/gutil.TryCatch
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
  6).  github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
  7).  main.MiddlewareErrorHandler
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:10
  8).  github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.9
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:117
  9).  github.com/gogf/gf/v2/net/ghttp.niceCallFunc
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
  10). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:116
  11). github.com/gogf/gf/v2/util/gutil.TryCatch
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
  12). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
  13). github.com/gogf/gf/v2/net/ghttp.(*Server).ServeHTTP
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_server_handler.go:122

```

gerrorWebServer

```

package main

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

func MiddlewareErrorHandler(r *ghttp.Request) {
    r.Middleware.Next()
    if err := r.GetError(); err != nil {
        r.Response.ClearBuffer()
        r.Response.Writef("%+v", err)
    }
}

func DbOperation() error {
    // ...
    return gerror.New("DbOperation error: sql is xxxxxxxx")
}

func UpdateData() {
    err := DbOperation()
    if err != nil {
        panic(gerror.Wrap(err, "UpdateData error"))
    }
}

func main() {
    s := g.Server()
    s.Use(MiddlewareErrorHandler)
    s.Group("/api.v2", func(group *ghttp.RouterGroup) {
        group.ALL("/user/list", func(r *ghttp.Request) {
            UpdateData()
        })
    })
    s.SetPort(8199)
    s.Run()
}

```

curl

```

$ curl "http://127.0.0.1:8199/api.v2/user/list"
UpdateData error: DbOperation error: sql is xxxxxxxx
1. UpdateData error
  1). main.UpdateData
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:25
  2). main.main.func1.1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:34
  3). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.8
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:111
  4). github.com/gogf/gf/v2/net/ghttp.niceCallFunc
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
  5). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:110
  6). github.com/gogf/gf/v2/util/gutil.TryCatch
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
  7). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
  8). main.MiddlewareErrorHandler
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example

```

```

/other/test.go:10
9). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.9
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:117
10). github.com/gogf/gf/v2/net/ghttp.niceCallFunc
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
11). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:116
12). github.com/gogf/gf/v2/util/gutil.TryCatch
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
13). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
14). github.com/gogf/gf/v2/net/ghttp.(*Server).ServeHTTP
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_server_handler.go:122
2. DbOperation error: sql is xxxxxxxx
1). main.DbOperation
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:19
2). main.UpdateData
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:23
3). main.main.func1.1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:34
4). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.8
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:111
5). github.com/gogf/gf/v2/net/ghttp.niceCallFunc
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
6). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:110
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    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
8). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
9). main.MiddlewareErrorHandler
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.example
/other/test.go:10
10). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1.9
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/ghttp/ghttp_request_middleware.go:117
11). github.com/gogf/gf/v2/net/ghttp.niceCallFunc
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_func.go:46
12). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next.func1
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:116
13). github.com/gogf/gf/v2/util/gutil.TryCatch
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/util
/gutil/gutil.go:46
14). github.com/gogf/gf/v2/net/ghttp.(*middleware).Next
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_request_middleware.go:47
15). github.com/gogf/gf/v2/net/ghttp.(*Server).ServeHTTP
    /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/net
/ghttp/ghttp_server_handler.go:122

```

