

PProf

GoFrameWeb ServerpprofEnablePProfURI/debug/pprof

PProf



PProfPProd

EnablePProf

```
package main

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

func main() {
    runtime.SetMutexProfileFraction(1) // ()
    runtime.SetBlockProfileRate(1)    // ()

    s := g.Server()
    s.EnablePProf()
    s.BindHandler("/", func(r *ghttp.Request) {
        r.Response.Writeln("")
    })
    s.SetPort(8199)
    s.Run()
}
```

```
s.EnablePProf()

/debug/pprof/*action
/debug/pprof/cmdline
/debug/pprof/profile
/debug/pprof/symbol
/debug/pprof/trace

/debug/pprof/*actiongo tool pprof
```

StartPProfServer

StartPProfServerPProf ServerHTTP ServerGRPCPProf Server

```
func StartPProfServer(port int, pattern ...string)
```

goroutinePProd Server

```
package main

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

func main() {
    go ghttp.StartPProfServer(8199)
    //
    // ...
}
```

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```
package main

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

func main() {
    go ghttp.StartPProfServer(8299)

    s := g.Server()
    s.EnablePProf()
    s.BindHandler("/", func(r *ghttp.Request) {
        r.Response.WriteLine("")
    })
    s.SetPort(8199)
    s.Run()
}
```

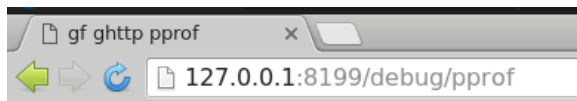
PProf

- heap:
- threadcreate: OS
- goroutine: goroutine
- block: goroutineruntime.SetBlockProfileRate
- mutex: runtime.SetMutexProfileFraction

PProf

/debug/pprof

1pprof

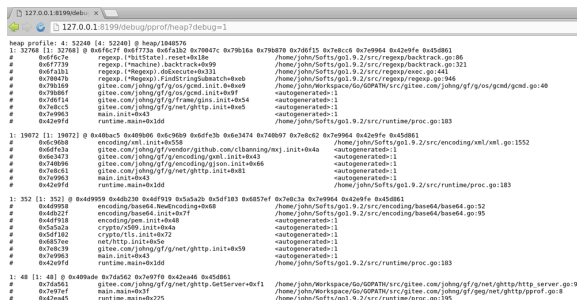


profiles:

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[full goroutine stack dump](#)

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3goroutine

```
go tool pprof -http :8080 "http://127.0.0.1:8199/debug/pprof/profile"
```

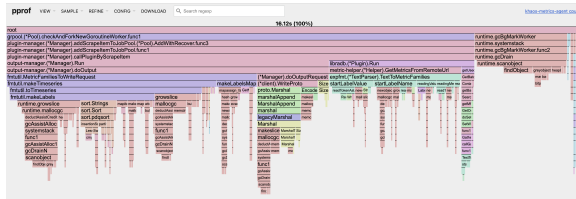
```
curl http://127.0.0.1:8199/debug/pprof/profile > pprof.profile
go tool pprof -http :8080 pprof.profile
```

CPU

```
$ go tool pprof -http :8080 "http://127.0.0.1:8199/debug/pprof/profile"
Serving web UI on http://localhost:8080
```

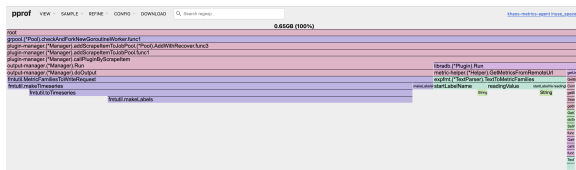
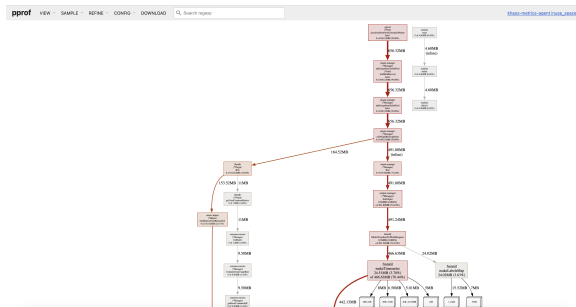
✓ pprofGraphvizUbuntu sudo apt-get install graphviz MacOS brew install Graphviz

[illegible]



CPUgo tool pprof

```
$ go tool pprof -http :8080 "http://127.0.0.1:8199/debug/pprof/heap"
Serving web UI on http://localhost:8080
```



goroutine

goroutinego tool pprof

```
$ go tool pprof -http :8080 "http://127.0.0.1:8199/debug/pprof/goroutine"
Serving web UI on http://localhost:8080
```

goroutine

