-

parser

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- /
- /
- /
-

Command

```
package main

import (
        "context"
        "fmt"

        "github.com/gogf/gf/v2/frame/g"
        "github.com/gogf/gf/v2/os/gcmd"
        "github.com/gogf/gf/v2/os/gctx"
)

type cMain struct {
        g.Meta `name:"main"`
}

type cMainHttpInput struct {
        g.Meta `name:"http" brief:"start http server"`
}
type cMainHttpOutput struct{}

type cMainGrpcInput struct {
        g.Meta `name:"grpc" brief:"start grpc server"`
}
type cMainGrpcOutput struct{}

func (c *cMain) Http(ctx context.Context, in cMainHttpInput) (out
*cMainHttpOutput, err error) {
        fmt.Println("start http server")
        return
}

func (c *cMain) Grpc(ctx context.Context, in cMainGrpcInput) (out
*cMainGrpcOutput, err error) {
        fmt.Println("start grpc server")
        return
}

func main() {
        cmd, err := gcmd.NewFromObject(cMain{})
        if err != nil {
                panic(err)
        }
        cmd.Run(gctx.New())
}
```

Input//Outputnil

Content Menu

-
-
-
-
-
-
  -
  -
  -

```
$ main
USAGE
    main COMMAND [OPTION]

COMMAND
    http    start http server
    grpc    start grpc server

DESCRIPTION
    this is the command entry for starting your process
```

http

```
$ main http
start http server
```

grpc

```
$ main grpc
start grpc server
```

/

httphttp

```
package main

import (
        "context"

        "github.com/gogf/gf/v2/frame/g"
        "github.com/gogf/gf/v2/net/ghttp"
        "github.com/gogf/gf/v2/os/gcmd"
        "github.com/gogf/gf/v2/os/gctx"
)

type cMain struct {
        g.Meta `name:"main" brief:"start http server"`
}

type cMainHttpInput struct {
        g.Meta `name:"http" brief:"start http server"`
        Name   string `v:"required" name:"NAME" arg:"true" brief:"server
name"`
        Port   int    `v:"required" short:"p" name:"port"  brief:"port of
http server"`
}
type cMainHttpOutput struct{}

func (c *cMain) Http(ctx context.Context, in cMainHttpInput) (out
*cMainHttpOutput, err error) {
        s := g.Server(in.Name)
        s.BindHandler("/", func(r *ghttp.Request) {
                r.Response.Write("Hello world")
        })
        s.SetPort(in.Port)
        s.Run()
        return
}

func main() {
        cmd, err := gcmd.NewFromObject(cMain{})
        if err != nil {
                panic(err)
        }
        cmd.Run(gctx.New())
}
```

http

- NAME
- port p/port

v:"required"GoFrame

```
$ main http
arguments validation failed for command "http": The Name field is required
1. arguments validation failed for command "http"
   1).  github.com/gogf/gf/v2/os/gcmd.newCommandFromMethod.func1
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/os/gcmd
/gcmd_command_object.go:290
   2).  github.com/gogf/gf/v2/os/gcmd.(*Command).doRun
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/os/gcmd
/gcmd_command_run.go:120
   3).  github.com/gogf/gf/v2/os/gcmd.(*Command).RunWithValueError
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/os/gcmd
/gcmd_command_run.go:77
   4).  github.com/gogf/gf/v2/os/gcmd.(*Command).RunWithValue
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/os/gcmd
/gcmd_command_run.go:32
   5).  github.com/gogf/gf/v2/os/gcmd.(*Command).Run
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/v2/os/gcmd
/gcmd_command_run.go:26
   6).  main.main
        /Users/john/Workspace/Go/GOPATH/src/github.com/gogf/gf/.test/test.
go:38
2. The Name field is required
```

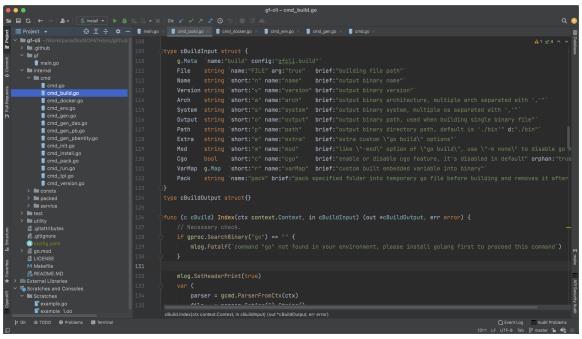
Name/Port


```
$ main http my-http-server -p 8199
2022-01-19 22:52:45.808 [DEBU] openapi specification is disabled

      SERVER     | DOMAIN  | ADDRESS | METHOD | ROUTE
|                             HANDLER                                |
MIDDLEWARE
-----------------|---------|---------|--------|-------
|-------------------------------------------------------------------
|--------------------
  my-http-server | default | :8199   | ALL    | /     | main.(*cMain).Http.
func1                                        |
-----------------|---------|---------|--------|-------
|-------------------------------------------------------------------
|--------------------
  my-http-server | default | :8199   | ALL    | /*    | github.com/gogf/gf
/v2/net/ghttp.internalMiddlewareServerTracing | GLOBAL MIDDLEWARE
-----------------|---------|---------|--------|-------
|-------------------------------------------------------------------
|--------------------

2022-01-19 22:52:45.810 66292: http server started listening on [:8199]
```

GoFramehttps://github.com/gogf/gf/tree/master/cmd/gf



Command

name	-		namename
short	-		
usage	-		
brief	-		
arg	-		
orphan	-		bool
description	dc		
additional	ad		
examples	eg		
root	-		Meta
strict	-	//	Meta
config	-		Meta

HTTP/GRPC

NamenameNAMEName

MetaconfigGoFramehttps://github.com/gogf/gf/tree/master/cmd/gf