

```
func (s *Server) BindObject(pattern string, object interface{}, methods ...
string) error
func (s *Server) BindObjectMethod(pattern string, object interface{},
method string) error
func (s *Server) BindObjectRest(pattern string, object interface{}) error
```

```
func(r *http.Request)
```

```
panic: interface conversion: interface {} is xxx, not func(*http.Request)
```

-BindObject

BindObject

```
package main

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

type Controller struct{}

func (c *Controller) Index(r *ghttp.Request) {
    r.Response.Write("index")
}

func (c *Controller) Show(r *ghttp.Request) {
    r.Response.Write("show")
}

func main() {
    s := g.Server()
    c := new(Controller)
    s.BindObject("/object", c)
    s.SetPort(8199)
    s.Run()
}
```

ServerServer

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SERVER HANDLER	DOMAIN	ADDRESS MIDDLEWARE	METHOD	ROUTE	
default	default	:8199	ALL	/object	main. (*Controller).Index
default	default	:8199	ALL	/object/index	main. (*Controller).Index
default	default	:8199	ALL	/object/show	main. (*Controller).Show

<http://127.0.0.1:8199/object/show>



Index/userHTTP/userIndex/user/user/index

BindObject{.struct}{.method}

```
package main

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

type Order struct{}

func (o *Order) List(r *ghttp.Request) {
    r.Response.Write("list")
}

func main() {
    s := g.Server()
    o := new(Order)
    s.BindObject("/{.struct}-{.method}", o)
    s.SetPort(8199)
    s.Run()
}
```

SERVER MIDDLEWARE	DOMAIN	ADDRESS	METHOD	ROUTE	HANDLER
default	default	:8199	ALL	/order-list	main.(*Order).List

<http://127.0.0.1:8199/order-list> list

--

UserNameuser-nameShowListItemsshow-list-items

.Server.SetNameToUriType44

```
UriTypeDefault = 0 // '-'
UriTypeFullName = 1 // URI
UriTypeAllLower = 2 //
UriTypeCamel = 3 //
```

```
package main

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

type User struct{}

func (u *User) ShowList(r *ghttp.Request) {
    r.Response.Write("list")
}

func main() {
    u := new(User)
    s1 := g.Server("UriTypeDefault")
    s2 := g.Server("UriTypeFullName")
    s3 := g.Server("UriTypeAllLower")
    s4 := g.Server("UriTypeCamel")

    s1.SetNameToUriType(ghttp.UriTypeDefault)
    s2.SetNameToUriType(ghttp.UriTypeFullName)
    s3.SetNameToUriType(ghttp.UriTypeAllLower)
    s4.SetNameToUriType(ghttp.UriTypeCamel)

    s1.BindObject("/{.struct}/{.method}", u)
    s2.BindObject("/{.struct}/{.method}", u)
    s3.BindObject("/{.struct}/{.method}", u)
    s4.BindObject("/{.struct}/{.method}", u)

    s1.SetPort(8100)
    s2.SetPort(8200)
    s3.SetPort(8300)
    s4.SetPort(8400)

    s1.Start()
    s2.Start()
    s3.Start()
    s4.Start()

    g.Wait()
}
```

ServerServerServer

SERVER HANDLER	DOMAIN MIDDLEWARE	ADDRESS	METHOD	ROUTE
UriTypeDefault	default	:8100	ALL	/user/show-list main. (*User).ShowList

SERVER HANDLER	DOMAIN MIDDLEWARE	ADDRESS	METHOD	ROUTE
UriTypeFullName	default	:8200	ALL	/User/ShowList main. (*User).ShowList

SERVER HANDLER	DOMAIN MIDDLEWARE	ADDRESS	METHOD	ROUTE
UriTypeAllLower	default	:8300	ALL	/user/showlist main. (*User).ShowList

SERVER HANDLER	DOMAIN MIDDLEWARE	ADDRESS	METHOD	ROUTE
UriTypeCamel	default	:8400	ALL	/user/showList main. (*User).ShowList

URL

```

http://127.0.0.1:8100/user/show-list
http://127.0.0.1:8200/User/ShowList
http://127.0.0.1:8300/user/showlist
http://127.0.0.1:8400/user/showList

```

BindObject,

```
package main

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

type Controller struct{}

func (c *Controller) Index(r *ghttp.Request) {
    r.Response.Write("index")
}

func (c *Controller) Show(r *ghttp.Request) {
    r.Response.Write("show")
}

func main() {
    s := g.Server()
    c := new(Controller)
    s.BindObject("/object", c, "Show")
    s.SetPort(8199)
    s.Run()
}
```

SERVER	DOMAIN	ADDRESS	METHOD	ROUTE	
HANDLER	MIDDLEWARE				
-----	-----	-----	-----	-----	
-----	-----	-----	-----	-----	
default	default	:8199	ALL	/object/show	main.(*Controller).Show
-----	-----	-----	-----	-----	
-----	-----	-----	-----	-----	

-BindObjectMethod

BindObjectMethod



BindObjectMethodBindObjectBindObjectMethodmethodBindObjectmethods

```
package main

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

type Controller struct{}

func (c *Controller) Index(r *ghttp.Request) {
    r.Response.Write("index")
}

func (c *Controller) Show(r *ghttp.Request) {
    r.Response.Write("show")
}

func main() {
    s := g.Server()
    c := new(Controller)
    s.BindObjectMethod("/show", c, "Show")
    s.SetPort(8199)
    s.Run()
}
```

SERVER	DOMAIN	ADDRESS	METHOD	ROUTE	HANDLER
MIDDLEWARE					
default	default	:8199	ALL	/show	main.(*Controller).Show

RESTful-BindObjectRest

RESTfulAPIHTTPMethodPOSTPost()DELETEDeleteHTTP MethodHTTP MethodMethod HTTP
Status 404

 GoFrameRESTfulRESTRESTHTTP MethodRESTRESTRESTful

BindObjectRestREST

```

package main

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

type Controller struct{}

// RESTFul - GET
func (c *Controller) Get(r *ghttp.Request) {
    r.Response.Write("GET")
}

// RESTFul - POST
func (c *Controller) Post(r *ghttp.Request) {
    r.Response.Write("POST")
}

// RESTFul - DELETE
func (c *Controller) Delete(r *ghttp.Request) {
    r.Response.Write("DELETE")
}

//
func (c *Controller) Hello(r *ghttp.Request) {
    r.Response.Write("Hello")
}

func main() {
    s := g.Server()
    c := new(Controller)
    s.BindObjectRest("/object", c)
    s.SetPort(8199)
    s.Run()
}

```

;

```

SERVER | DOMAIN | ADDRESS | METHOD | ROUTE | HANDLER
| MIDDLEWARE
|-----|-----|-----|-----|-----
|-----|-----|-----|-----|
default | default | :8199 | DELETE | /object | main.(*Controller).
Delete |
|-----|-----|-----|-----|-----
|-----|-----|-----|-----|
default | default | :8199 | GET | /object | main.(*Controller).
Get |
|-----|-----|-----|-----|-----
|-----|-----|-----|-----|
default | default | :8199 | POST | /object | main.(*Controller).
Post |
|-----|-----|-----|-----|-----
|-----|-----|-----|-----|

```

InitShut

InitShutHTTPServer

1. Init

```
// ""
func (c *Controller) Init(r *ghttp.Request) {

}
```

2. Shut

Server

```
// ""
func (c *Controller) Shut(r *ghttp.Request) {

}
```

```
package main

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

type Controller struct{}

func (c *Controller) Init(r *ghttp.Request) {
    r.Response.Writeln("Init")
}

func (c *Controller) Shut(r *ghttp.Request) {
    r.Response.Writeln("Shut")
}

func (c *Controller) Hello(r *ghttp.Request) {
    r.Response.Writeln("Hello")
}

func main() {
    s := g.Server()
    c := new(Controller)
    s.BindObject("/object", c)
    s.SetPort(8199)
    s.Run()
}
```

SERVER HANDLER	DOMAIN MIDDLEWARE	ADDRESS	METHOD	ROUTE	
default	default	:8199	ALL	/object/hello	main. (*Controller).Hello

InitShut <http://127.0.0.1:8199/object/hello>

```
Init
Hello
Shut
```

