

# TCP

gtcpTCPServer

```
import "github.com/gogf/gf/v2/net/gtcp"
```

<https://pkg.go.dev/github.com/gogf/gf/v2/net/gtcp>

```
type Server
    func GetServer(name ...interface{}) *Server
    func NewServer(address string, handler func(*Conn), name ...string) *Server
    func NewServerKeyCrt(address, crtFile, keyFile string, handler func(*Conn), name ...string) *Server
    func NewServerTLS(address string, tlsConfig *tls.Config, handler func(*Conn), name ...string) *Server
    func (s *Server) Close() error
    func (s *Server) Run() (err error)
    func (s *Server) SetAddress(address string)
    func (s *Server) SetHandler(handler func(*Conn))
    func (s *Server) SetTLSConfig(tlsConfig *tls.Config)
    func (s *Server) SetTLSKeyCrt(crtFile, keyFile string) error
```

GetServer/ServerSetAddressSetHandlerServerNewServerServer

echoTCPServer

```
package main

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

func main() {
    gtcp.NewServer("127.0.0.1:8999", func(conn *gtcp.Conn) {
        defer conn.Close()
        for {
            data, err := conn.Recv(-1)
            if len(data) > 0 {
                if err := conn.Send	append([]byte("> "), data...)); err != nil {
                    fmt.Println(err)
                }
            }
            if err != nil {
                break
            }
        }
    }).Run()
}
```

SendRecvRecv""(SendSocket)gtcp.Conn

telnet

```
john@home:~$ telnet 127.0.0.1 8999
Trying 127.0.0.1...
Connected to 127.0.0.1.
Escape character is '^].
hello
> hello
hi there
> hi there
```

TCPTCPServergoroutineTCPgoroutine

