

 gproc

5////Socket

- *nix
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- //

gprocSocket

gprocAPI

```
func Send(pid int, data []byte) error
func Receive() *Msg
```

SendReceiveReceive

```
package main

import (
    "context"
    "fmt"
    "github.com/gogf/gf/v2/os/gctx"
    "github.com/gogf/gf/v2/os/gproc"
    "github.com/gogf/gf/v2/os/gtime"
    "github.com/gogf/gf/v2/os/gtimer"
    "os"
    "time"
)

var (
    ctx = gctx.New()
)

func main() {
    fmt.Printf("%d: I am child? %v\n", gproc.Pid(), gproc.IsChild())
    if gproc.IsChild() {
        gtimer.SetInterval(ctx, time.Second, func(ctx context.Context) {
            err := gproc.Send(gproc.PPid(), []byte(gtime.Datetime()))
            if err != nil {
                return
            }
        })
        select {}
    } else {
        m := gproc.NewManager()
        p := m.NewProcess(os.Args[0], os.Args, os.Environ())
        p.Start(ctx)
        for {
            msg := gproc.Receive()
            fmt.Printf("receive from %d, data: %s\n", msg.SenderPid, string(msg.Data))
        }
    }
}
```

```
29978: I am child? false
29984: I am child? true
receive from 29984, data: 2018-05-18 15:01:00
receive from 29984, data: 2018-05-18 15:01:01
receive from 29984, data: 2018-05-18 15:01:02
receive from 29984, data: 2018-05-18 15:01:03
receive from 29984, data: 2018-05-18 15:01:04
...
```