

-guid

guiduid

-
- 32

guidguid

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0123456789
abcdefghijklmnopqrstuvwxyz

```
import "github.com/gogf/gf/v2/util/guid"
```

<https://pkg.go.dev/github.com/gogf/gf/v2/util/guid>

guidS32

```
func S(data ...[]byte) string
```

1.

MACHash(7) + PID(4) + TimestampNano(12) + Sequence(3) + RandomString(6)

- MACMAC7
- PIDID4
- TimestampNano12
- Sequence3
- RandomString6

2.

DataHash(7/14) + TimestampNano(12) + Sequence(3) + RandomString(3/10)

- Data[]byte2714
-
- []byte7
- TimestampNano12
- Sequence3
- RandomString310:
 - 110
 - 23

```
goos: darwin
goarch: amd64
pkg: github.com/gogf/gf/v2/util/guid
cpu: Intel(R) Core(TM) i7-9750H CPU @ 2.60GHz
Benchmark_S
Benchmark_S-12                2665587                423.8 ns/op
Benchmark_S_Data_1
Benchmark_S_Data_1-12        2027568                568.2 ns/op
Benchmark_S_Data_2
Benchmark_S_Data_2-12        4352824                275.5 ns/op
PASS
```

1

```
package main

import (
    "fmt"
    "github.com/gogf/gf/v2/util/guid"
)

func main() {
    fmt.Printf("TraceId: %s", guid.S())
}
```

```
TraceId: oa9sdw03dk0c35q9bdwcnz42p00trwfr
```

2

SessionId

```
func CreateSessionId(r *ghttp.Request) string {
    var (
        address = request.RemoteAddr
        header  = fmt.Sprintf("%v", request.Header)
    )
    return guid.S([]byte(address), []byte(header))
}
```

SessionIdRemoteAddr, Headerguid.S