

guid ()

guid

guidguid

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

<https://godoc.org/github.com/gogf/gf/util/guid>

guidS32

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

1.

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

- MACMAC7
- PIDID4
- TimestampNano12
- Sequence3
- RandomString6

2.

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

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

```
goos: linux
goarch: amd64
pkg: github.com/gogf/gf/util/guid
Benchmark_S
Benchmark_S-4          1525240          737 ns/op
Benchmark_S_Data_1
Benchmark_S_Data_1-4   1294222          920 ns/op
Benchmark_S_Data_2
Benchmark_S_Data_2-4   1344630          889 ns/op
PASS
```

1

```
package main
```

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

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

Content Menu

-
-
- [1](#)
- [2](#)

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