

What's new in Go

Maksim Terekhin – July 2023

Minor revision

Go [1.20.6](#) / [1.19.11](#) – 2023-07-11

- Security fix
 - [net/http: insufficient sanitization of Host header](#) ([CVE-2023-29406](#))
- 1.20.6
 - bug fixes to the compiler, `cgo`, the `cover` tool, the `go` command, the runtime, and the `crypto/ecdsa`, `go/build`, `go/printer`, `net/mail`, and `text/template` packages.
- 1.19.11
 - bug fixes to `cgo`, the `cover` tool, the `go` command, the runtime, and the `go/printer` package
- Debian buster docker images are no longer supported ([commit](#))

net/http: insufficient sanitization of Host header

```
+  
+ func TestRequestSanitization(t *testing.T) { run(t, testRequestSanitization) }  
+ func testRequestSanitization(t *testing.T, mode testMode) {  
+     if mode == http2Mode {  
+         // Remove this after updating x/net.  
+         t.Skip("https://go.dev/issue/60374 test fails when run with HTTP/2")  
+     }  
+     ts := newClientServerTest(t, mode, HandlerFunc(func(rw ResponseWriter, req  
+ *Request) {  
+         if h, ok := req.Header["X-Evil"]; ok {  
+             t.Errorf("request has X-Evil header: %q", h)  
+         }  
+     })).ts  
+     req, _ := NewRequest("GET", ts.URL, nil)  
+     req.Host = "go.dev\r\nX-Evil:evil"  
+     resp, _ := ts.Client().Do(req)  
+     if resp != nil {  
+         resp.Body.Close()  
+     }  
+ }
```

Govulncheck [v1.0.0](#) is released!

- [stable API](#) available
- [Go Vulnerability Database](#)
- [Security best practices guide](#)
- govulncheck [tutorial](#)

Go Vulnerability Database

Data about new vulnerabilities come directly from Go package maintainers or sources such as MITRE and GitHub. Reports are curated by the Go Security team. Learn more at go.dev/security/vuln.

Search





Recent Reports

GO-2023-1904

CVE-2022-47931 | Affects: github.com/bnb-chain/tss-lib, github.com/binance-chain/tss-lib | Published: Jul 11, 2023

Collision of hash values in github.com/bnb-chain/tss-lib.

Proposals / Discussion

- runtime: change mutex profile to scale contention by number of blocked goroutines ([Accepted](#) , scheduled for 1.22)
- proposal: x/net/quic: add QUIC implementation ([Likely to accept](#) )
- net/http: move HTTP/2 into the standard library ([Discussion](#) )
- net/http: add methods and path variables to ServeMux patterns ([Discussion](#) )

net/http: add methods and path variables to ServeMux

```
/item/  
POST /item/{user}  
/item/{user}  
/item/{user}/{id}  
/item/{$}  
POST alt.com/item/{user}
```

```
package http
```

```
func (*Request) PathValue(wildcardName string) string
```

Go 1.21 in August 2023!

- redefining for loop variable semantics: LoopvarExperiment
- The new log/slog package provides structured logging with levels
- Performance improvements for runtime/trace (smaller CPU cost, up to a 10x)

GWT is back 🚀

Is the GWT unarchived, for real? ([PR](#))

[question] Is it true? Is the GWT unarchived, for real?

🔒 Closed clockworksoul opened this issue yesterday · 3 comments



clockworksoul commented yesterday

I noticed that the project has been unarchived and the "this project is archived" message removed from the README.

Can this be interpreted as the project being supported once again?



clockworksoul added the **question** label yesterday



AlexVulaj commented yesterday

Member

Yes, and we'll have a small announcement up soon.



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Project Status Update - Jul 17, 2023

We were going to wait until the transition was complete to make an announcement, but it seems that the cat is out of the bag...

We are excited to confirm that the Gorilla web toolkit project has a new group of Core Maintainers!

We are all thrilled by the positive response from the community so far. Here is a list of what we are currently working on to complete the transition process:

- Updating the project to support the latest Go version
- Implementing GitHub features such as Branch Protection, GitHub Actions, and more.
- Updating documentation for contributing, code of conduct, reporting vulnerabilities, etc.

Questions?