What's new in Go
May 2023

2 security release

- Affected packages
  - crypto/*
  - html/template
  - mime/multipart
  - net/http
  - net/textproto
- 1 more planned for today *(was released during our break)*
  - crypto/subtle, crypto/tls, net/http, and syscall

log/slog was accepted

```go
r, _ := http.NewRequest("GET", "localhost", nil)
// ...

logger := slog.New(slog.HandlerOptions{}.NewTextHandler(os.Stdout))
logger.Info("finished",
    slog.Group("req",
        slog.String("method", r.Method),
        slog.String("url", r.URL.String())),
    slog.Int("status", http.StatusOK),
    slog.Duration("duration", time.Second))

// Output:
// level=INFO msg=finished req.method=GET req.url=localhost status=200 duration=1s
```

- Targeted for go1.21.0

Use 0 for patch version in major release

- Go1.21.0 instead of Go1.21

[opt-in transparent telemetry to Go toolchain](#)

- Changed to opt-in from opt-out after backlash

Profile-guided optimization

- Preview in 1.20
  - Uber -5% CPU
  - Google -2.75% CPU
- Improvements in 1.21

Did I miss something?