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Go Newsletter

Issue 148 — February 23, 2017

FEATURED

[Building a Face-Replacing Slack Bot in Go](#) **STORY**

When your hobby is Photoshopping a coworker's face onto other people's bodies, why not free up time with OpenCV, Slack, and Go's image package?

JASON HUTCHINSON

[Logging, Interfaces, and Allocation](#)

An explanation of how concrete values are handled behind the scenes and how optimizations scheduled for 1.9 will eliminate many allocations currently made during interface conversions.

JOSH BLEECHER SNYDER

[The Top 10 Most Imported Go Packages](#) **NEWS**

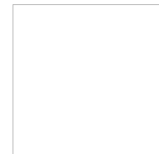
A list built using BigQuery and GitHub's public data sets. Of the 10 packages, four are for testing and two for logging.

OR HILTCH

[Redis, instrumented and scaled](#)

RedisGreen provides auto-scaling, memory analysis, expert support and more in all AWS regions.

REDISGREEN **SPONSORED**



[An Unofficial Golang FAQ](#)

Answers to 26 questions most Go developers are likely to have had at some point, including [Why aren't two nil values equal sometimes?](#)

TAPIR GAMES

[Using Linux's Netlink IPC from Go](#) **TUTORIAL**

Netlink is a Linux kernel inter-process communication mechanism that uses the sockets API.

MATT LAYHER

[Go 1.8 Released \(This Time, The Official Blog Post\)](#) **NEWS**

Go 1.8 was released on GitHub just before we sent the newsletter last week, but we can now link to the official blog post which followed, as well as the [final release notes](#).

CHRIS BROADFOOT

JOBS

[Backend Software Engineer \(Zürich, Switzerland\)](#)

Centralway are seeking an experienced programmer to come and join the team. The right candidate will be responsible for the continuous development and improvement of the backend and service architecture of Centralway Numbrs. [Apply here](#).

CENTRALWAY NUMBRS AG

[Platform Engineer at VSCO \(Oakland, CA\)](#)

We're looking for a Full Stack engineer to work with the newest technologies including internal projects and consumer-facing products.

VSCO

IN BRIEF

Proposal: cmd/go: Make Fuzzing A First Class Citizen? NEWS

BRAD FITZPATRICK

How We Built A Backend System for an Uber-Like Live Map in Go STORY

Considerations while building an Uber-style map with live, moving cars on it.

ANDREW MINKIN

Interfaces in Go, Part 2: Type Assertion and Type Switch TUTORIAL

MICHAŁ ŁOWICKI

Go's Range Loop Internals TUTORIAL

ROBBIE V

Free eBook: Understanding the Docker Ecosystem

In this free eBook, we introduce the Docker Hub, Docker Engine, Kitematic, Docker Machine, Docker Swarm, Docker Compose, Docker Cloud, and Data Center.

CODESHIP SPONSORED

Android Development with Go VIDEO

A 20 minute tour of *gomobile*.

DANIEL ESTEBAN

gobpf: Using eBPF from Go VIDEO

For tracing kernel functions, gather system/IO and networking data, etc.

MICHAEL SCHUBERT

GopherJS 1.8-1 Released TOOLS

DMITRI SHURALYOV

playgo: CLI Tool to Send a .go File to the Go Playground TOOLS

a.k.a. play.golang.org.

ALI AKSANDR PLIUTA U

Bombardier 1.0: An HTTP Benchmarking Tool (Written in Go) TOOLS

Uses fasthttp for improved performance.

МАКСИМ ФЕДЮСЕЕВ

Document Validation in MongoDB By Example

MongoDB document validation by example using an invoice application for a fictitious cookie company.

COMPOSE SPONSORED

Mmake: A Modern 'Make' CODE

Wraps regular `make` to provide extra functionality.

TJ HOLOWAYCHUK

Upspin: An Experimental Framework for Global File Addressing CODE

ROB PIKE, ANDREW GERRAND, ET AL.

Typewriter: Parse Go JSON-tagged Types to Other Language Types CODE

Currently supports JavaScript Flow, TypeScript, and (some) Elm.

NATHAN HYLAND

AWS API Gateway to Lambda Shim using http.Handler CODE

Build Go Web services that can run both standalone and 'serverless'.

DANA PSIMER

go-u2fhost: Library for Using Universal 2nd Factor (U2F) USB Devices CODE

Perform user authentication with physical devices.

MARSHALL BREKKA

Memo: Go-based Command Line Memo System CODE

YASUHIRO MATSUMOTO

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