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## Golang Weekly

Issue 201 — March 8, 2018

### FEATURED

#### WebAssembly Architecture for Go

Notes on work being done to make WebAssembly an official target for the Go compiler in Go 1.11. This will allow compiled Go programs to run in the browser as first-class citizens.

*RICHARD MUSIOL*

#### A Primer on Go Assembly

Part of an in-development [book about the internals of Go](#), this chapter digs into the platform independent 'pseudo-assembly' the Go compiler outputs.

*CLEMENT REY*

#### A Roundup of Managed Kubernetes Platforms

In the race of container orchestrators, Kubernetes is surging ahead. However, people are often stuck on the step of getting their infrastructure to production. Get an overview of Managed Kubernetes Platforms and their basic features.

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#### Go Packages We Developed for Our Games

Game development in Go is certainly 'a thing' - here are a few libraries that could help.

*HAJIME HOSHI*

#### Practical Go Benchmarks

A set of benchmarks that compare alternative techniques in a variety of areas like generating random strings and hashing.

*DMITRI MELIKYAN*

#### When Should You Use One Liner if...else Statements?

While you may think the answer is just a matter of preference, there are other significant considerations.

*JON CALHOUN*

#### Announcing Gloo: A Function Gateway

Built on top of [Envoy Proxy](#), Gloo provides a unified entry point for access to both services and serverless functions. [GitHub repo](#).

*IDIT LEVINE (SOLO.IO)*

### JOBS

## Golang Developer

We are currently seeking a number of highly skilled and talented System Developers to join our dedicated development team in Dublin.

EXADS

## Work on Go and Kubernetes Full-Time at Microsoft

Join our OSS team working on the Kubernetes project directly. Seattle, Redmond, or Remote candidates will be considered.

MICROSOFT

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VETTERY

## IN BRIEF

### GopherCon UK 2018 (August 1-3, London) **NEWS**

GOPHERCON UK

### The VNC Console That's Simple, Faster, and Written in Go **TUTORIAL**

Decrease load and connection times from seconds to milliseconds – try it with \$100 credit from DigitalOcean.

DIGITALOCEAN **SPONSORED**

### Building Amazon Alexa Skills with Go **TUTORIAL**

A real-world example that includes automated deployment and locale handling.

ARIEN MALEC

### Using the Service Object Pattern in Go **TUTORIAL**

A popular pattern in other languages, here's one of the few articles looking at this pattern in Go.

JON CALHOUN

### Profiling Go Programs with Flamegraphs **TUTORIAL**

BRENDAN RYAN

### A Curated Selection of Blog Posts on Go **TUTORIAL**

Still not got enough to read? Here's a comprehensive list.

ENO COMPTON

### The Basics of Protocol Buffers **VIDEO**

An introductory look at one of the most foundational components of gRPC.

FRANCESC CAMPOY

### Goloader: A Dynamic Loader to Load and Run Go Code at Runtime **TOOLS**

Experimental. Your mileage may vary.

GITHUB.COM

### unparam: Reports Unused Function Parameters and Results in Your Code **TOOLS**

DANIEL MARTÍ

### git-sizer: Compute Various Size Metrics for a Git Repo **CODE**

The tool will flag those that might cause problems.

GITHUB

### Scaffold: CLI Tool for Repeatable Kubernetes Development **CODE**

Also ideal for CI/CD pipelines.

GOOGLE CLOUD PLATFORM

### chasquid: An SMTP Server Written in Go **CODE**

In beta, but supports TLS, SPF checking, and other powerful features.

ALBERTO BERTOGLI

### one-file-pdf: A Minimalist PDF Generator in 1 File **CODE**

An attempt at giving 80% of the PDF generation functionality needed with 20% of the code.

BALARABE

## Slack-Term: A Terminal-Based Slack Client [CODE](#)

A Go-powered client for the Slack chat service.

*JP BRUINS SLOT*

## go-fitz: Go Wrapper for a PDF/EPUB/XPS Page Extraction Library [CODE](#)

*MILAN NIKOLIC*

## go-mp3: An MP3 Decoder in Pure Go [CODE](#)

*HAJIME HOSHI*

## Fix Production Bugs in Seconds with Sentry

*SENTRY* [SPONSORED](#)

## Task 2.0 Released: A Simple 'Make' Alternative [CODE](#)

*ANDREY NERING*

## amass: A Subdomain Enumeration Tool [CODE](#)

Attempts to discover subdomains associated with a domain.

*JEFF FOLEY*

## Skipper: An HTTP Router and Reverse Proxy for Service Composition [CODE](#)

*ZALANDO SE*

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