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## Golang Weekly

Issue 195 — January 25, 2018

### FEATURED

#### How A Fix in Go 1.9 Sped Up GitLab's RPC Service by 30x

GitLab uncovered an issue with fork locking affecting virtual memory size. Here's how they figured out the problem and a fix for it.

GITLAB

#### Announcing dep v0.4.1, Now With Documentation

A minor level release doesn't *sound* like a big deal, right? Wrong. The dependency management tool for Go is really growing up and has [an official site](#) and [online docs](#) now.

SAMBOYER

#### Go 1.9.3 Released

A minor release with fixes to the compiler, runtime, and the `database/sql`, `math/big`, `net/http`, and `net/url` packages.

GO

#### Redis 4.0 with HA from RedisGreen

Try Redis 4.0 with HA and memory analysis features from RedisGreen.

REDISGREEN SPONSORED



#### memmap: Visualize Data Structures using Graphviz

Turns arbitrary data into more easily understood graphs. See [the test file](#) for how to use it.

BRADLEY KEMP

#### Is Concurrency Slower?

No, but there are ways to ensure you're getting the most out of Go's concurrency offerings and not stepping on your own goroutines.

POCKET GOPHERS

#### Isomorphic Go: Using Go on Both the Front and Back-End?

This is promoting a book but there's also a [talk you can watch](#).

KAMESH BALASUBRAMANIAN

#### An HTTP Router Shim for Go Projects Running on AWS Lambda

This allows you to write regular HTTP Handlers that are fronted by API Gateway and hosted on AWS Lambda.

JOE FEENEY

### JOBS

## Technical Writer (Full Time / Part Time / Remote)

Do you like writing for a technical audience? Looking for a bit of extra income, a part-time or a full time role, drop us a line.

RAYGUN

## Looking for a Job at a Company That Prioritizes Go?

Try Vetterly and we'll connect you directly with thousands of companies looking for talented back-end devs.

VETTERY

## IN BRIEF

### An Update on Go's Support for WebAssembly (WASM) NEWS

RICHARD MUSIOL

### Learn How Codeship Re-Modeled Their Whole Go Codebase

CODESHIP SPONSORED

### Escape-Analysis Flaws TUTORIAL

Five escape-analysis flaws in the 1.9 Go compiler analyzed with examples.

WILLIAMKENNEDY

### Packing Multiple Binaries in a Go Package TUTORIAL

ILIJA EFTIMOV

### Porting Go Webapps to AWS Lambda TUTORIAL

It's way easier than I expected.

ARTEMKRYLYSOV

### Building a Go GraphQL API on AWS Lambda TUTORIAL

PEDRO FERNANDO MARQUEZ SOTO

### Improving Latency by 700% Using sync.Pool TUTORIAL

It's not easy and it involves reference counting, but it could be worth it.

AKSHAY DEO

### Creating a URL Shortener API with the Goa Framework TUTORIAL

Goa is a "holistic" approach to building services that uses a DSL and code generation to create the API with matching Swagger documentation.

RYAN MCCUE

### Two Ways of Merging a Number of Channels into One VIDEO

FRANCESC CAMPOY

### High Performance Go VIDEO

A talk from QConSF 2017.

DAVE CHENEY

### Live Face Detection in Go using OpenCV and MachineBox VIDEO

ALEX PLIUTAU

### The Doors Go Has Opened OPINION

If you want to feel even better about being a Go developer, read this.

AARON SCHLESINGER

### Telegraf: The Open Source Go Collection Agent

INFLUXDATA SPONSORED

### JSON-to-Go: Convert JSON to a Go Type Definition Instantly TOOLS

MHOLT.GITHUB.IO

### GoCV Version 0.8.0: Improved Computer Vision for Go TOOLS

Adds support for Tensorflow and the Intel Computer Vision SDK.

GOCV

### Commandeer: Automatically Sets Up Command Line Flags [CODE](#)

The flags are based on struct fields and their tags.

MATTHEW JAFFEE

### Supercronic: Cron for Containers [CODE](#)

crontab-compatible and written in Go.

APTIBLE

### aws-lambda-go-proxy: Pass Lambda Events to an App Running Elsewhere [CODE](#)

Such as if you want to work on your functions locally at first.

MARCIN TOJEK

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