

[« Prev](#)[Next »](#)

#232 — OCTOBER 11, 2018

[READ ON THE WEB](#)

Golang Weekly

[Compile-Time Dependency Injection with Go Cloud's 'Wire'](#) — A couple of months ago, the Go team announced [Go Cloud](#), a framework for making it easier to build portable cloud apps with Go - here's a detailed look at *Wire*, a dependency injection tool that's part of the project.

ROBERT VAN GENT

[A Proposal for Goroutine Scoped Contexts](#) — Not only does Eyal outline the problem he perceives and a potential way forward, he's built a [proof of concept implementation](#) too.

EYAL POSENER

[Lower Latency for a Better End User Experience. Learn More](#) —

Updated to include a built-in CDN, Spaces object storage can deliver web assets up to 70% faster.

DIGITALOCEAN SPONSOR

[Pixel: A 2D Game Development Library](#) — Focused on fast 2D graphics rendering via a simple API. Yesterday's [0.8 release](#) is significant as it now supports custom fragment shaders.

MICHAL ŠTRBA

[How 'Go 1.11 Got Me to Stop Ignoring Go'](#) — Specifically, Go modules brought Drew onboard.

DREW DEVAULT

[vim-go's Creator is Taking a Sabbatical](#) — Fatih has worked tirelessly on his popular [vim-go](#) Go plugin for Vim - he'll no longer be maintaining it but two new full-time contributors are now on board. On the flip side, a variety of other projects of his (e.g. [color](#)) are essentially ending, and he is inviting you to fork them.

FATIH ARSLAN

['Programs Compiled by 1.11 Allocate An Unreasonable Amount of Virtual Memory'](#) —

This is unlikely to cause many issues as programs aren't actually going to be *using* that extra memory.

GO GITHUB REPO

☐ Jobs

[Architect, Senior Software Engineer - Subscriptions \(SF\)](#) — Operating at massive scale, Twitch Subs is seeking a Senior Architect to experiment, build and scale solutions across our organization.

TWITCH

[Join Our Career Marketplace & Get Matched With A Job You Love](#) — Through Hired, software engineers have transparency into salary offers, competing opportunities, and job details.

HIRED

☐ Tutorials & Articles

[A Deep Dive Into the OS Memory Use of a Simple Go Program](#)

CHRIS SIEBENMANN

[Calling Java From Go Using gRPC](#) — Faced with a need not served well by any Go library, redByte wrote a service in Java and called it via gRPC in an excellent example of a gRPC use case.

MARTIN KOVÁČIK

[The Design Choices of the Go Garbage Collector](#) — There are many ways to do garbage collection, here's why Go chose the approach we have today.

HARUKI OKADA

[Manipulating Istio & other Custom Kubernetes Resources in Go](#)

DAVE KERR

► **[Running Go Programs Directly on the BBC micro:bit](#)** — The BBC micro:bit is an ARM Cortex M0 microcontroller. Here's a quick look at using [TinyGo](#) to run programs on it.

HYBRID GROUP

[Monitor and Analyze Go App Performance in Real-Time. Try Datadog Free](#)

DATADOG SPONSOR

[Some Basic Go 1.0 vs Go 1.11 Benchmarks](#) — Yes, Go 1.0 (not 1.10). Go was already pretty fast when 1.0 came out six years ago, so it's nice to see the progress made.

DAVE CHENEY

[How Go Hits the Concurrency Nail Right on the Head](#) — Eli explains why Go is one of few modern, mainstream languages to really get concurrency right.

ELI BENDERSKY

☐ [Tools & Code](#)

[Ghost: Locate And Fix Overly Complex Lines of Code](#)

ELLIOT CHANCE

[go-jsonschema: A Tool to Generate Go Types from JSON Schema Definitions](#)

ALEXANDER STAUBO

[gohack: Make Temporary Edits to Your Go Module Dependencies](#) — Goes a little further feature-wise than `go mod edit`.

ROGER PEPPE

[gse: Efficient Text Segmentation Library](#) — Notably not just for English, it supports languages like Japanese and Chinese too.

VCAESAR

[OpenCensus Metrics and InfluxDB](#)

INFLUXDATA SPONSOR

[Biscuit: A Basic POSIX-Subset OS Written in Go for x86-64](#) — Very much a prototype/research project, but interesting work to see in Go nonetheless. Boot it for yourself if you have Linux and qemu.

MT PDOS

[AstienCoder: An FFMpeg-Based Video Encoder Written in Go](#)

QUENTIN RENARD

[A Bloom Filter Library \(a Go port of Bloomfilter.js\)](#)

GITHUB

[Robotgo: Desktop Automation on Mac, Windows and Linux](#) — Move the mouse and type on the keyboard from Go.

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