Golang Weekly

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Issue 177 — September 14, 2017

FEATURED

Quickly Creating Serverless Slack Commands with Go & Up

Up is a framework for deploying serverless apps.

TJ HOLOWAYCHUK

Tensor Refactor: A Go Experience Report

A *very* thorough write-up of refactoring 'tensor', a generic multidimensional array package for Go, that covers a lot of areas relating to the language.

CHEWXY

Benchmarking sync.Map

Analysis of the new sync.Map type in Go 1.9 using several scenarios with varying results.

RALPH CARAVEO III

Get real-time Go app performance metrics + request traces

Datadog captures the full spectrum of Go app performance. Go from a global infrastructure view to inspecting a single request trace, all in one platform.

DATADOG SPONSORED

Writing Scripts with Go

How one developer set out to make bash scripting with Go easy and discovered 'go run' in the process.

EYAL POSENER

Mastering io.Pipes VIDEO

How to use `io.Pipe` and related interfaces to handle single and multiple writer scenarios.

JUSTFORFUNC

Go Being Ported to Fuchsia, Google's New OS

Fuchsia is an under-development OS aimed at mobile platforms that isn't based on Linux.

DAVID CRAWSHAW

JOBS

Software Engineer - Backend Integrations

We're looking for an Engineer to join our team in charge of the Integrations. You'll work with our engineers and tackle complex problems.

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IN BRIEF

Go 1.10 to Improve Timer Scalability on Multi-CPU Systems NEWS

It's just a commit for now but "significantly improved timer performance for multi-core machines" sounds promising.

GOOGLESOURCE.COM

Go Concurrency Considered Harmful TUTORIAL

An example of where concurrency in Go falls down and how Erlang could help fix the issue.

SARGUN DHILLON

An Example Go Project Layout for New Go Developers TUTORIAL

KYLE C. QUEST

Use Cases for Persistent Logs with NATS Streaming TUTORIAL

BYRON RUTH

Fastest CI for Docker Apps: Codeship's improved Docker Image Caching

Learn about Codeship Pro's improved Docker Image Caching and how it helped customers save up to 300% on build times.

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When Go's Type System Impedes Library Interoperability STORY

JACK LINDAMOOD

The Diminishing Returns of Static Typing OPINION

Looking at the static-vs-dynamic typing debate from more than one angle.

AXEL WAGNER

Introducing Perigord: Go Tools for Ethereum DApp Development TOOLS

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go-sfml: Bindings for SFML, the 'Simple and Fast Multimedia Library' CODE

CLEMENT REY

jsteg: Hide Secrets Inside JPEGs (i.e. steganography) CODE

LUKE CHAMPINE

Go's math/rand Getting a 'shuffle' Method CODE

See an example in action here.

GITHUB.COM

GRV: A Terminal Interface for Viewing Git Repositories CODE

RICHARD BURKE

pqstream: Turn Your Postgres Database Into an Event Stream CODE

TRAVIS CLINE

goflyway: An HTTP Tunnel/Proxy in Go CODE

COYOVE