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## Go Newsletter

Issue 157 — April 27, 2017

### FEATURED

#### [Understand Go Pointers in Under 800 Words](#)

One of Go's most active contributors explains pointers from the ground up, complete with diagrams.

DAVE CHENEY

#### [Distributed Tracing for Go from Google](#)

Google has created a Go client for [Stackdriver Trace](#), their free distributed tracing backend (that doesn't require you use GCP for your apps either).

GOOGLE CLOUD PLATFORM

#### [A Foray Into Go Assembly Programming](#)

A list of issues and quirks when attempting to program assembly in Go.

SCOTT MANSFIELD

#### [Deploy a MongoDB replica set on AWS in minutes.](#)

If you're looking for a easy way to run MongoDB in the cloud, try MongoDB Atlas (the hosted database service from the company who builds MongoDB) for automated provisioning, backups, upgrades, and monitoring.

MONGODB **SPONSORED**



#### [Glob Matching Can Be Simple And Fast](#)

Russ Cox looks at the scalability of glob pattern matching and ways to avoid it becoming an exponential process.

RUSS COX

#### [Commento: A Lightweight, Tracking-Free Comment Engine](#) **CODE**

The Disqus commenting system has [been criticized](#) recently for loading lots of tracker pixels. Here's a simple Go-based alternative.

ADHITYAA

#### [Pixel: A 2D Game Development Library](#) **CODE**

Focused on fast 2D graphics rendering and has a simple API. Comes with a few examples and a handful of tutorials to get started.

MICHAL ŠTRBA

### JOBS

#### [Go Developer \(London\)](#)

HOMEMADE

#### [Opportunities Aligned with Your Interest. Try Hired](#)

Expedite your job search. Save time and effort. Get Hired!

HIRED

### IN BRIEF

### [echo 3.1 Released: A Minimal, High Perf Web Framework](#) **NEWS**

LABSTACK

### [Caddy 0.10 \(HTTP/2 Server with Automatic HTTPS\) Released](#) **NEWS**

Now supports HTTP/2 Server Push.

CADDY

### [Reproducing Go Binaries Byte-by-Byte](#) **TUTORIAL**

FILIPPO VALSORDA

### [Writing Modular Go Programs with Plugins](#) **TUTORIAL**

A simple example using Go 1.8's plugin system.

VLADIMIR VIVIEN

### [Using 'dep' for Dependency Management](#) **TUTORIAL**

An example of using the (likely) to-be dependency management standard in a project.

MICHAEL HAUSENBLAS

### [Semantic Analysis with Machine Learning in Go](#) **TUTORIAL**

JAMES BOWMAN

### [Creating a Web App Using the Gorilla Web Toolkit](#) **TUTORIAL**

DAVE ROLSKY

### [Guidelines on Refactoring Go Programs](#) **SLIDEDECK**

ROGER PEPPE

### [Try Codeship Basic: simple hosted CI that works out of the box](#)

Get set up with our hosted Continuous Integration service in under 3 minutes. Join thousands of customers like InvisionApp & Whole Foods.

CODESHIP **SPONSORED**

### [Representing Trees in Go Code](#) **VIDEO**

A video in the Let's Learn Algorithms series.

JON CALHOUN

### [Creating a Web Server With Echo](#) **VIDEO**

The sixth installment in the series, found [here](#).

BLUE BOT

### [A 'Clean Architecture' Checker for Go](#) **TOOLS**

See if your project is following Uncle Bob's [Clean Architecture](#) rules.

ROBERT LASZCZAK

### [Pgweb: A Cross-Platform Client for Postgres](#) **TOOLS**

Built using Go and works on macOS, Linux and Windows.

DAN SOSEDOFF

### [A BigQuery Dataset for Go's Build History](#) **TOOLS**

BRAD FITZPATRICK

### [\\$20 Free Credit on a new account.](#)

Linux cloud hosting starting at 1GB of RAM for \$5/mo. Use promo code GO20 for \$20 credit.

LINODE **SPONSORED**

### [gossed: Push Standard Input as Server Sent Events](#) **CODE**

Easily push events to a browser, such as for monitoring dashboards or tailing logs.

MAHMOUD BEN HASSINE

### [go-astilelectron: Build Cross Platform GUI Apps with Electron](#) **CODE**

Connects Go with the HTML, JS and CSS-based [Electron](#) toolkit.

QUENTIN RENARD

### [A Work-in-Progress Go-Based SQLite Driver \(without cgo\)](#) **CODE**

An interesting idea that runs the C version of SQLite in a pure Go sandboxed VM.

GITHUB.COM

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