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## Go Newsletter

Issue 145 — February 2, 2017

### FEATURED

#### Beautiful Packages in Go VIDEO

A great 20 minute talk from a recent London meetup covering best practices, goals, and helpful tips and tricks for writing packages people enjoying using.

MAT RYER

#### Murlock: Build macOS Desktop Apps with Go and HTML CODE

A vaguely Electron-meets-React-esque approach but oriented around Go. A young framework but looks interesting.

MAXENCE CHARRIERE

#### Go 1.8 Final Due Around February 14-16 NEWS

It was initially coming out this week but some further testing within Google needs to take place first.

BRAD FITZPATRICK

#### Free eBook: A Beginner's Guide to the Dockerfile

Download our free eBook and learn how to create a Dockerfile from scratch, how to push images to Docker Hub, and some Dockerfile best practices.

CODESHIP SPONSORED



#### Fencing Off Go: Liveness and Safety for Channel-based Programming

A look at an academic paper describing a new tool built to analyse the liveness and safety of concurrent Go programs.

ADRIAN COLYER

#### Basic TCP/IP Networking from Go TUTORIAL

A look at working at the TCP socket level from Go, complete with heavily annotated code examples.

APPLIED GO

#### 3 Tips and 7 Tricks When Testing in Go TUTORIAL

Things like avoiding global constants, using test fixtures, test helpers, and organizing mocks and helpers.

POVILAS VERSOCKAS

#### Flappy Gopher: Building a Flappy Bird Clone VIDEO

A 40 minute live coding video following the development of a Flappy Bird-style game (but using our favorite gopher) using Go and SDL2.

JUSTFORFUNC

#### Comparing Elixir and Go OPINION

A comparison of Elixir (an Erlang VM-based language with Ruby-esque syntax) and Go looking at their backgrounds, styles, and how both deal with concurrency.

BARRY JONES

### JOBS

### [Golang/Backend Engineer @ Poki \(Amsterdam, the Netherlands\)](#)

From monolith to microservices, and all the impact around it. Join us building the ultimate online playground for kids of all ages.

*POKI*

### [Go Developer at Geckoboard \(London, UK\)](#)

Come help us build our new data pipeline in Go. Great work/life balance, regular "innovation" days, and a team that <3 to learn!

*GECKOBOARD*

## **IN BRIEF**

### [A 17 Hour, Online Go Video Course](#) COURSE

Learn Go from Todd McLeod, a compsci professor. The GOLANGWEEKLY code gives 78% *(no affiliation, he just offered it for us to share)*.

UDEMY

### [Why Are Slices Sometimes Altered When Passed by Value in Go?](#) TUTORIAL

JON CALHOUN

### [Communicating Between Go Apps using Redis Pub/Sub](#) TUTORIAL

MEHMET CETIN

### [\[Webinar\] 5 Tips on Determining the Most Impactful Metrics in Your App](#)

This webinar, co-hosted by VividCortex and Datadog, explores best ways to monitor important performance metrics.

VIVIDCORTEX SPONSORED

### [Whalebrew: Like Homebrew, But With Docker Images](#) CODE

Creates aliases for Docker images so you can run them as if they were native commands.

BEN FIRSHMAN

### [Envh: Go Helpers to Manage Environment Variables](#) CODE

ANTHONY HAMON

### [wifi: Access WiFi Device Actions and Statistics from Go](#) CODE

Provides access to IEEE 802.11 WiFi devices on Linux (only, for now).

MATTLAYHER

### [Jennifer: A Code Generator for Go](#) CODE

DAVE BROPHY

### [netlink: Low-Level Access to Linux Netlink Sockets](#) CODE

Netlink sockets are used for IPC on Linux.

MATTLAYHER

### [raylib-go: Bindings for raylib, A Game Programming Library](#) CODE

raylib is aimed at *learning* to create simple games.

MILAN NIKOLIC

### [Robotgo: Desktop Automation on Mac, Windows and Linux](#) CODE

Move the mouse and type on the keyboard from Go.

GITHUB.COM

### [Simple to use, powerful programming language need a home?](#)

Use a simple, powerful hosting company.

LINODE SPONSORED

### [Expreduce: An Experimental Computer Algebra System Written in Go](#) CODE

CORY WALKER

### [dithergo: Halftone Dithering Algorithms Implemented in Go](#) CODE

ENDRE SIMÓ

### [dewm: A Pure Go Auto-Tiling Window Manager Written with Literate Programming](#) CODE

DAVE MACFARLANE

### [template-compiler: Compile 'text/template' / 'html/template' to Regular Go Code](#) CODE

Still a work in progress.

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