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## Go Newsletter

Issue 121 — August 4, 2016

### FEATURED

#### Go 1.7 Release Candidates 4 and 5 Released NEWS

RC4 and RC5 came in quick succession. The final 1.7 is due next week.

CHRIS BROADFOOT

#### A Walkthrough of the Go 'io' Package TUTORIAL

A walkthrough designed to help you understand a key part of Go's standard library better.

BEN JOHNSON

#### Goa 1.0: A Design-First Approach for Building Microservices TOOLS

Goa consists of a DSL for describing an API's design, a code generation tool and a set of library packages used by both generated and non-generated code.

RAPHAEL SIMON

#### Try Compose PostgreSQL, get a free tshirt

This month only, we're giving away free tshirts for all new deployments of Compose PostgreSQL. It takes just a couple minutes to signup and deploy a HA, 3-node Postgres cluster with daily backups and autoscaling. [Give it a try.](#)

COMPOSE SPONSORED



#### A Great Reddit Comment Reviewing A New Go Library STORY

A user submitted a [BoltDB library](#) to Reddit. Another user reviewed the code, found a variety of issues, and wrote up an extensive and useful review.

REDDIT

#### Noms: A Versioned, Forkable, Syncable Database CODE

Includes two implementations, one in Go, one in JavaScript. There's also a post [with the back story.](#)

ATTIC LABS

### JOBS

#### Software Engineer (cloud) at Magic Leap

Join the Cloud Platform team at Magic Leap and help us build highly scalable cloud applications and services. Come and join our eclectic group of visionaries, rocket scientists, wizards, and gurus.

MAGICLEAP

#### Find Your Perfect Company Match

You're smart, you're efficient. Why job hunt the old way? Try Hired and get your profile in front of thousands of top tech companies.

HIRED.COM

### IN BRIEF

#### I Love Go; I Hate Go OPINION

One developer's love/hate relationship with the language.

ADAM LEVENTHAL

[GopherCon Brasil 2016, November 4-6 in Florianopolis, Brazil](#) **NEWS**

GOPHERCONBR

[vim-go 1.8 Released](#) **NEWS** **TOOLS**

FATIH ARSLAN

[Free eBook: The Shortlist of Docker Hosting](#)

In this eBook, we will have a closer look at Docker Machine, AWS, Digital Ocean, Carina, Sloppy.io, Giant Swarm, Google Compute Engine, Microsoft Azure, Heroku, and Quay.io.

CODESHIP **SPONSORED**

[Serving A Vue, React or Ember JS App with Go](#) **TUTORIAL**

MATT SILVERLOCK

[Writing A Ray Tracer in Go](#) **TUTORIAL**

The 5th and final post of a series on writing a ray/path tracer in Go.

MARK PHELPS

[Assignability in Go: 6 Forms](#) **TUTORIAL**

MICHAŁ ŁOWICKI

[GolangShow: A Go Podcast in Russian](#) **PODCAST**

GOLANGSHOW.COM

[Making the Switch from Node to Go](#) **STORY**

ALEXANDRA GRANT

[Automate your Go app delivery with Shippable](#) **TOOLS**

With Shippable automate your Go app delivery pipelines, with flexibility to work with your existing setup. Plans from \$0, no CC required.

SHIPPABLE **SPONSORED**

[Implementing HSTS as Go Middleware](#) **CODE**

ADRIAN HESKETH

[Torrent: Full-Featured BitTorrent Client Package and Utilities](#) **CODE**

Implements BitTorrent-related packages and utilities in Go. The emphasis is on use as a library from other projects.

MATT JOINER

[lexvec: Implementation of the LexVec Word Embedding Model](#) **CODE**

Used for natural language processing work.

ALEXANDRE SALLE

[File Structures 2: Memory Mapped File Structures for Go](#) **CODE**

Including a B+ Tree and a memory mapped list.

TIM HENDERSON

[Sup: Super Simple Deployment Tool](#) **CODE**

Performs a given set of commands on multiple hosts in parallel.

PRESSLY

[Tarinator: Go Package for Compressing and Extracting tar and gzip Files](#) **CODE**

VERYBLUEBOT

[go-toast: A Go Package for Windows 10 Toast Notifications](#) **CODE**

JACOB MARSHALL

[Darwin: A Database Schema Evolution Library](#) **CODE**

GUIABOLSO

[frp: Fast Reverse Proxy to Expose A Local Server Behind A NAT](#) **CODE**

FATEDIER

[ssh-chat: A Custom SSH Server that Provides a Chat Mechanism](#) **CODE**

ANDREY PETROV

[gh-ost: GitHub's Triggerless Online Schema Migration Solution for MySQL](#) **CODE**

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