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## Go Newsletter

Issue 137 — December 1, 2016

### FEATURED

#### Go 1.8 Beta 1 Released NEWS

Now's a great time to get playing with Go 1.8 ahead of its official release. The [draft release notes](#) show what's new.

*GOLANG.ORG*

#### Implementing Binary Search Iteratively with Go TUTORIAL

How to implement an iterative (without recursion) binary search that can find a number in a sorted list of numbers using Go.

*JON CALHOUN*

#### DigitalOcean Releases go-qemu and go-libvirt CODE

DigitalOcean uses QEMU to provide VMs on bare metal servers. go-qemu and go-libvirt are Go packages that provide a way to manage QEMU instances and communicate with them.

*OPEN SOURCE AT DIGITALOCEAN*

#### Seamless Continuous Delivery for Docker

Looking for the easiest way to ship your dockerized apps to production? Try cloud's fastest CI/CD solution that takes less than a minute to set up and has full layer caching for Docker images. Start a 30-day free trial today.

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#### Half-toning with Go TUTORIAL

A fun tutorial looking at how to take a photo and create a monochrome half-toned effect purely in Go.

*BRIAN MAIER*

#### Introducing gobpf: Using eBPF from Go TUTORIAL

eBPF is a virtual machine included in the Linux kernel that can be used for tracing kernel functions, networking activities, etc.

*KINVOLK GMBH*

#### Sybil: A Fast and Simple NoSQL OLAP Written in Go CODE

An append only analytics datastore with no up front table schema requirements. Designed for fast full table scans of multi-dimensional data on a single machine.

*LOGV*

#### Archiver 2.0: Create and Extract Archives from Go CODE

Supports .zip, .tar, .tar.gz, .tar.bz2, .tar.xz, and .rar (extract-only) formats.

*MATT HOLT*

#### Proposal to Delete the /r/golang Subreddit NEWS

Last week there was a controversial proposal to delete, or at least officially dissociate, from Reddit due to recent actions by its CEO. This led to [a lot of debate](#) on Reddit itself.

*BRAD FITZPATRICK*

### JOBS

## Don't love your job? You Should - Try Hired and Find the Right Fit.

Hired puts the power back in your hands, by having companies apply to you, not the other way around. With Hired you only talk to companies you're interested in.

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### IN BRIEF

#### Announcing Go 1.7 Support for Amazon Linux NEWS

LAMBDA LINUX

#### Codeship Launches GitLab Support NEWS

Codeship is proud to announce that we now offer a GitLab integration! Users can connect their GitLab repos to a Codeship account.

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#### Go Tips You Might Not Know TUTORIAL

This post is for 1st day of [Go Advent Calendar](#) (3).

HAYA14BUSA

#### How to Use go:generate TUTORIAL

go generate was added in Go 1.4 "to automate the running of tools to generate source code before compilation."

CARL M. JOHNSON

#### Value Conversions, Assignments and Comparisons TUTORIAL

"all the the value assignment, conversion and comparison rules in Go"

TAPIR GAMES

#### Building a Slack Bot in Go STORY

CHRIS NG

#### Accept Interfaces, Return Structs OPINION

Why you should write your packages to accept interfaces and return structs.

CRAIG BROOKES

#### Simple to use, powerful programming language need a home? TOOLS

Use a simple, powerful hosting company.

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#### GoAppMonitor: Go App Performance Data Monitoring Tool TOOLS

WANGGUOLIANG

#### go-bluetooth: Go Bluetooth Client Based on bluez DBus Interfaces CODE

LUCA CAPRA

#### redis-healthy: Periodically Get Metrics from Redis and Send to Logstash CODE

GLOBO.COM

#### masterkey: Secure Interactive Password Manager using NACL and Go CODE

JOHNATHAN HOWELL

#### Gru: A Simple Orchestration Framework Written in Go CODE

MARIN ATANASOV NIKOLOV

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