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## Golang Weekly

Issue 190 — December 7, 2017

### FEATURED

#### [Debugging An Evil Go Runtime Bug](#)

The story of a Go program that crashes on certain machines but not others which led to a very low-level debugging mystery.

HECTOR MARTIN

#### [Repeatable and Isolated Development Environments for Go](#)

Brian Ketelsen shows off some ways he works around the issue of creating isolated development environments without too much trickery involving GOPATH or otherwise.

BRIAN KETELSEN

#### [\\$20 Free On A New Linode Account](#)

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#### [How to Add an Electron-Powered GUI to a Go App in 5 Steps](#)

A tutorial leaning on [astilelectron](#), an Electron app that lets you communicate between Go and the front-end interface over TCP.

ASTICODE

#### [Using GopherJS with gRPC-Web](#)

[GopherJS](#) provides the ability to write Go in the browser leading to streaming from a Go server to a Go client without writing your own JavaScript.

GOPHER ACADEMY

#### [Error Handling in Upspin](#)

How the Upspin project (a global file naming service of sorts) uses a custom package to represent error conditions that arise inside the system.

ROB PIKE AND ANDREW GERRAND

#### [MailHog: Web and API-Based SMTP Testing Service](#)

TOOLS

Written in Go, all you do is run up MailHog, set your app's outgoing SMTP server to connect to it, and you can view outgoing mail in MailHog's UI.

IAN KENT

### JOBS

#### [Interested in Blockchain, Smart Contracts, and Crypto?](#)

If so, we at Decred would love to make your acquaintance. We offer a fast paced environment where you will never get bored hacking on cool tech.

DECRED

#### [Looking for a Job at a Company That Prioritizes Go?](#)

Try Vetterly and we'll connect you directly with thousands of companies looking for talented back-end devs.

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## IN BRIEF

### [Automating Go Development with 'make'](#) TUTORIAL

Some ways to bring the classic Unix tool into your Go dev workflow.

KEVIN BURKE

### [Managing Dependencies, Forks, and Code Patches with 'dep'](#) TUTORIAL

ADITYA MUKERJEE

### [2017 Year in Review for Open Source Database Software](#)

Join Percona's Chief Evangelist, Colin Charles on Wednesday 12/13, at 7:00 am PST (UTC-8) to discuss changes and trends impacting software producers using open source.

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### [Using Postgres Arrays from Go](#) TUTORIAL

RAPIDLOOP

### [Deploying a Go App to Kubernetes in 30 Seconds](#) TUTORIAL

SERGEY KOLODYAZHNYI

### [Processing Spreadsheet Data in Go](#) TUTORIAL

Reading and writing CSV files and processing the data inside.

APPLIED GO

### [Creating Your Own Chatbot Experience with go-sarah](#) TUTORIAL

OKLAHOMER

### [Asking Reddit: Which Editor Do You Use for Go Development?](#) OPINION

Over 100 replies, with vim, VS Code, Emacs, and GoLand leading the way.

REDDIT

### [A Code Galaxies Visualization of Go Package Dependencies](#) TOOLS

It can be tricky to figure out what you're looking at, but click around.

ANDREI KASHCHA

### [Go Meta Linter: Concurrently Run Linting Tools and Normalize Their Output](#) TOOLS

The latest version (2.0) makes it far more efficient to run.

ALEC THOMAS

### [5 Tools for Generating Go Structs From JSON](#) TOOLS

POCKET GOPHERS

### [The Ultimate Guide to Building Database Driven Apps with Go](#)

This book contains years of wisdom from experts & the fastest way to learn how to connect to a database with Go.

VIVIDCORTEX SPONSORED

### [Bombardier 1.1: A Go HTTP Benchmarking Tool](#) CODE

The new version includes rate limiting support and more.

CODESENBURG

### [gocialite: Easy Social OAuth in Go](#) CODE

DANILO POLANI

### [memcached-operator: A Kubernetes Operator for 'memcached'](#) CODE

IAN LEWIS

### [csvutil: Fast, Idiomatic Mapping Between CSV and Go structs](#) CODE

JACEK SZWEC

### [Syzkaller: An Unsupervised, Coverage-Guided Kernel Fuzzer](#) CODE

GOOGLE

### [Virtual Kubelet: An Open Source Kubernetes Kubelet Implementation](#) CODE

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