# Golang Weekly

## Go Newsletter

Issue 171 — August 3, 2017

**FEATURED**

### Vice: Go Channels Across Many Machines

Allows developers to use standard Go channel semantics on top of various queuing backends like NSQ, Redis, and SQS.

*MAT RYER*

### A Million WebSockets and Go

How Russia's largest email provider developed a high-load WebSocket server with Go that could scale to their loads.

*SERGEY KAMARDIN*

### The Go Contributors Summit at GopherCon  NEWS

The day before GopherCon, a group of Go team members and contributors gathered in Denver to discuss and plan for the future of the Go project.

*THE GO BLOG*

### ActiveGo - The world's only commercially supported Go distribution

Satisfy your company's requirements for commercial support, security and license compliance with ActiveGo for Linux, MacOS, and Windows. Try the Community Edition for free.

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### A Go Programmer's Guide to Syscalls

syscalls bridge between your code and the operating system and this talk goes under the hood to look at what they are and how Go makes use of them.

*LIZ RICE*

### Building a Worker Pool in Go

Create a worker pool that consumes queue messages and employs a state machine to process each worker lifecycle.

*JOÃO ALMEIDA*

### An Introduction to Reed-Solomon Error Correction

Reed-Solomon codes are used in many systems from DVDs to QR codes to provide error correction. This post is about both a new Reed-Solomon Go library and how the system works itself.

*JEFF WENDLING*

### Using Functional Options Instead of Method Chaining

Using GORM as an example, it's possible to rewrite a chained method and keep Go's error-checking conventions.

*JON CALHOUN*

**JOBS**

## Senior Software Engineer - Infrastructure Backend

We are looking for a Full Stack Engineer with a strong interest in building, deploying, and operating back-end tools and services that process enormous quantities of data in performant ways.

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## IN BRIEF

### Are You a Go Meetup Organizer? Let Us Know  NEWS

If you run a Go meetup, the Go Community Team want to know about it.

*GO COMMUNITY TEAM*

### Webinar: 5 Tips on Determining the Most Impactful Metrics in Your App

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

*VIVIDCORTEX*  SPONSORED

### Visualize Your Local Git Contributions with Go  TUTORIAL

Recreating a git contributions visualization (similar to Github's) as a Go command line application.

*FLAVIO COPES*

### Writing Forward Compatible Go Code  TUTORIAL

*JOE TSAI*

### The Experience of Porting 4.5k Lines of C to Go  STORY

*KRZYSZTOF KOWALCZYK*

### Interface Wrapping Method Erasure  OPINION

A case of Go's best practices and conventions getting in the way of efficient implementation of interfaces.

*JACK LINDAMOOD*

### Advanced Testing with Go  VIDEO

*MITCHELL HASHIMOTO*

### Reduce time spent debugging by 90%

Instantly know what's broken and why. Rollbar is monitoring, alerting, analytics for production errors. Try it.

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### virtualgo: Workspace Based Development for Go  TOOLS

*STREAM*

### Crunchy: Find Common Flaws in Passwords  CODE

Like cracklib, but written in Go.

*CHRISTIAN MUEHLHAEUSER*

### TiDB: A MySQL-Protocol Compatible Distributed NewSQL Database  CODE

*PINGCAP*

### rubberneck: Configuration Printer for Go Applications  CODE

Pretty(ish) print config settings on app startup.

*KARL MATTHIAS*

### gocmdpev: A Go-Based Postgres Query Visualizer  CODE

Heavily inspired by pev.

*SIMON ENGLEDEW*

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