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Go Newsletter

Issue 131 — October 13, 2016

FEATURED

Reducing Type Hierarchies

William Kennedy provides some useful guidance as to why type hierarchies aren't often the best pattern to use in Go and why to group types together by common behavior.

WILLIAM KENNEDY

A Random Blog Post: Generating Random Numbers

The trickiness behind generating random numbers on deterministic machines, the difference between math/rand and crypto/rand in Go, and some other Go packages to try.

CHRISTOPH BERGER

bytes.Buffer, I Thought You Were My Friend

A look at why benchmarking your code is a good idea, because your assumptions on what might be slower or faster might not necessarily hold true.

PHILIP PEARL

Is Your Redis Using Too Much Memory?

RedisMonitor reduces Redis memory usage and saves money by finding large keys, memory leaks, and more. No credit card is required to try it out!

REDISGREEN **SPONSORED**

All > resque:*

failed	delayed:*
list	
	hooli:*
	ts:*

SummitDB: In-Memory NoSQL ACID Compliant DB with Raft Consensus

An interesting new database written in Go that uses a Redis-like API, but is ACID compliant, supports custom indexes, JSON documents, and JavaScript scripting.

JOSH BAKER

Conv: Type Conversions Without Reflection Across Most Built-In Types

```
conv.Bool("true") // bool(true)
conv.Int64("-1.23") // -1
conv.Duration("123ns") // time.Duration(123)
```

CHRIS STOCKTON

JOBS

Site Reliability Engineer at VividCortex (VA/Uruguay/Remote)

Take the lead in helping us operate, troubleshoot, and improve the platform that ingests, secures, and analyzes the massive amounts of database performance data. Our platform is written in Go and hosted on the AWS cloud.

VIVIDCORTX

Want Multiple Job Offers? - Try Hired

On Hired, engineers typically get 5+ job offers in 1 week. Find that new opportunity you've been craving and get access to 4,000+ companies instantly.

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IN BRIEF

Tracing HTTP Request Latency in Go with OpenTracing TUTORIAL

YURI SHKURO

A Book on Building a Webapp with Go TUTORIAL

It's available in 9 languages (many are *in progress*) and can be read online.

ASTAXIE

Deploying a Go App to Google Cloud with Docker and Semaphore CI TUTORIAL

KOSTIS KAPELONIS

Get a handle on app performance TOOLS

Instrument your Go code to report custom metrics or increment expvar counters. See your metrics instantly.

DATADOG SPONSORED

A Look at the Single Responsibility Principle in Go TUTORIAL

RAFAEL GEORGE

Panicking like a Gopher TUTORIAL

MICHAŁ ŁOWCKI

A Guide and FAQs for Running a Go Meetup TUTORIAL

CORY LANOU

Stateful Locks in Go: How to Check if Something is Locked TUTORIAL

TIT PETRIC

revgrep: Filters Output From Static Analysis Tools, Showing Recently Changed Code TOOLS

BRADLEY FALZON

Gocoverage: Simplifying Go Code Coverage TOOLS

DR. PHIL WINDER

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

Use a simple, powerful hosting company.

LINODE SPONSORED

Arithmetic: An Arithmetic Parsing Library for Go CODE

ALEXANDRE THOMAS

go-rm: Helpers for Writing Redis Modules in Go CODE

Redis recently added support for external modules.

GITHUB.COM

kcptun: A Simple UDP Tunnel Based On KCP CODE

Note: Docs are all in Chinese.

XTACI

few: Fastest Encoder in the West CODE

Aims to be the fastest possible encoder for Go data.

LUKE CHAMPINE

Infrakit: A Toolkit for Creating Declarative, Self-Healing Infrastructure CODE

Infrastructure tooling increasingly seems to be written in Go.

DOCKER

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