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Go Newsletter

Issue 59 — May 22, 2015

FEATURED

Traps, Gotchas, and Common Mistakes for New Go Devs

An extensive list of 52 Go 'gotchas' split into beginner, intermediate and advanced levels, each with a description and code examples.

KYLE QUEST

The Cultural Evolution of gofmt **SLIDEDECK**

Slide deck covering the history and motivation for the gofmt code formatting tool, plus how it works.

ROBERT GRIESEMER

Boom: HTTP(S) Load Generator, Written in Go

Billing itself as an 'ApacheBench (ab) replacement', Boom is a tiny program that can provide a load to a webapp you want to test/stress.

BURCU DOGAN

Tollbooth: An HTTP Rate Limiter Middleware **CODE**

"For example, you may want to allow unlimited access to / but limit access to POST /login for as much as 10 requests per second per remote IP."

DIDIP KERABAT

Licensing Issues Block Crypto Optimizations From CloudFlare **NEWS**

"Intel do not wish to publish this code under the Go license and having bits of the Go repo under different licenses is sufficiently unpleasant that counsel didn't want to entertain the idea."

REDDIT

JOBS

Go Engineer at UserVoice (San Francisco, CA or Raleigh, NC)

If you want to build a super-fast JSON API in Go, work on analytics and big data, contribute to open source, and ship new features that empower PMs to make data-driven decisions with massive amounts of customer feedback, apply to UserVoice. We can help with relocation.

USERVOICE

Senior Go Engineer at Expert360 (Sydney, Australia)

Calling all Australian Gophers! If you've built multiple REST APIs, have years of full-time experience, and a love for testing and automation, then apply to Expert360. You'll be helping build our distributed API using cutting edge technologies like Docker, Go, Consul and Cloudformation.

EXPERT360

IN BRIEF

[Go 1.5 Compilation Likely to be Slower than 1.4](#) **NEWS**

GOLANG-DEV

[Interview with Brian Ketelsen and Erik St. Martin about GopherCon 2015](#) **PODCAST**

THE CHANGELOG

[Struct Composition with Go](#) **TUTORIAL**

DAVE CHENEY

[HMAC in Go, Python, Ruby, PHP, and Node](#) **TUTORIAL**

TURRET.IO

[Go Is Unapologetically Flawed, Here's Why We Use It](#) **OPINION**

BRAVE NEW GEEK

[Manual Memory Management in Go](#) **OPINION**

DEFER PANIC

[Go Hardware: A Directory of Hardware Related Tools, and Tutorials for Go](#) **TOOLS** **CODE**

BURCU DOGAN

[go-flagged: Declarative Flag Parameters As Struct Tags](#) **CODE**

URBAN ANALYTICS

[xopen: Open Files for Buffered Reading and Writing](#) **CODE**

BRENT PEDERSEN

[xurls: Extract URLs From Plain Text using Regular Expressions](#) **CODE**

DANIEL MARTÍ

[Couchcache: RESTful Caching Micro-Service Backed by Couchbase Server](#) **CODE**

Based on official Couchbase Go SDK gocb.

JERRY ZHAO

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