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Go Newsletter

Issue 133 — October 27, 2016

FEATURED

Introducing Go 2.0 (A Thought Experiment Only) STORY

No, Go 2.0 isn't really here, but Dave Cheney raises the possibility in order to think about what Go 2.0 could actually be and how it would relate to Go 1.x.

DAVE CHENEY

Go Tooling in Action VIDEO

A practical 50 minute walkthrough starting from the basics of using Go's toolset through to testing and profiling. Or enjoy [this alternative pre-recorded version](#).

FRANCESC CAMPOY FLORES

Go On Its Way to Become TIOBE's Language of 2016 NEWS

TIOBE has been seeing huge growth for Go across 2016, noting: "Google's Go language seems to be unrivalled, probably boosted by the immense popularity of Docker".

TIOBE

Get the Universal Scalability Law Modeling Workbook

This workbook is a rapid way to model and understand your systems' practical scalability limits.

[Download now.](#)

VIVIDCORTX SPONSORED



VividCortex

Learning How to Implement Bubble Sort in Go TUTORIAL

A detailed walkthrough of implementing a bubble sort in Go. Ideal if you're new to Go or want to code along with a tutorial.

JON CALHOUN

Building High Performance APIs with gRPC & Protocol Buffers TUTORIAL

Protobuf is Google's language-neutral extensible mechanism for serializing structured data, and gRPC is a high performance remote procedure call (RPC) framework.

SHIJU VARGHESE

Why We Import SQL Drivers With a Blank '_' Identifier STORY

Why include a package that never gets used directly in your code? Jon Calhoun discovers a reason.

JON CALHOUN

Data Science Gophers OPINION

Python and R are widely accepted as logical languages for data science—but what about Go? A look at Go as 'a cure for common data science pains'.

DANIEL WHITENACK

JOBS

[Data Integration Engineer \(Kafka/ElasticSearch/Python/Go\)](#)

Want to help make sense of the data behind the \$1 trillion real estate market? Hundreds of data feeds to normalize. Millions of photos to classify. Millions of user events to analyze. You name it, we got it.

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IN BRIEF

[In Go 1.8, GOPATH Will Default to \\$HOME/go If Not Already Set](#) NEWS

GITHUB

[An Illustrated Guide to SQLX](#) TUTORIAL

sqlx provides a set of extensions on top of the database/sql package.

JASON MOIRON

[Interface Pitfalls and Harnessing io.Reader](#) TUTORIAL

JOSHUA RUBIN

[Using Contexts to Avoid Leaking Goroutines](#) TUTORIAL

JAANA BURCU DOGAN

[Hargo: Load Testing using .har Files in Go](#) TUTORIAL

MARK RICHMAN

[Using Go for Competitive Programming](#) TUTORIAL

IAN BYRD

[Simple to use, powerful programming language need a home?](#)

Use a simple, powerful hosting company.

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[Stripping Go ELF Binaries Is Safe](#) STORY

“A common misconception among Go developers is that stripping Go binaries is unsupported and leads to broken programs.”

DOMINIK HONNEF

[Fencing Off Go: Liveness and Safety for Channel-Based Programming \[PDF\]](#) STORY

An academic paper.

LANGE, NG, TONINHO AND YOSHIDA

[Practical Advice for Go Library Authors](#) VIDEO

A developer shares what he wished he knew before building Go libraries.

JACK LINDAMOOD

[Benchmarking Go Redis Server Libraries](#) OPINION

Comparing the Redis, Redcon and Redeo libraries.

SIMON GUINDON

[How to Use Google Cloud Storage with Go](#) OPINION

ØYVIND SKAAR

[Pros and Cons of 3 Ways to Dockerize Go Applications](#) OPINION

NICK MCCRORY

[Monitor Go apps in context](#) TOOLS

Track app performance and usage alongside metrics from all your applications, hosts, and services.

DATADOG SPONSORED

[Reviewdog: A Code Review Tool For Keeping Your Codebase Healthy](#) TOOLS

Automatically posts linter comments to services like GitHub.

HAYA14BUSA

[aws-lambda-go: Run Standard Go Code on the AWS Lambda Platform](#) [TOOLS](#)

Allows you to run vanilla Go code on the AWS Lambda 'serverless' code execution platform.

EAWSY

[GoNote: A Terminal Client for SimpleNote](#) [CODE](#)

KONRAD WĄSOWICZ

[DCLua: A Lua 5.3 VM and Compiler Written in Go](#) [CODE](#)

Intended to allow easy embedding into Go programs.

MILO CHRISTIANSEN

[Robotgo: Desktop Automation on Mac, Windows and Linux](#) [CODE](#)

Move the mouse and type on the keyboard from Go.

GITHUB.COM

[ratelimit: A Blocking Leaky-Bucket Rate Limit Implementation](#) [CODE](#)

Also consider Go's own [x/time/rate](#).

UBER

[Hydra: Run Your Own Low-Latency OAuth2 and OpenID Provider](#) [CODE](#)

Handy if you want to open up your APIs to 3rd parties or want to write a mobile or in-browser client.

ORY-AM

[autobuffer: Stream Video Files Over HTTP](#) [CODE](#)

JOHNATHAN HOWELL

[Netstack: A Network Stack Written in Go](#) [CODE](#)

GOOGLE

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