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Go Newsletter

Issue 169 — July 20, 2017

FEATURED

[Toward Go 2.0](#)

From a GopherCon 2017 talk, the process that will be used to decide and implement the changes going into Go 2.0 with a call for input.

RUSS COX

[Implementing 'strace' in 60 Lines of Go](#)

A walk-through of a simple strace (a diagnostics tool that can monitor syscalls made by a program) implementation.

LIZ RICE

[Go's Work-Stealing Scheduler](#)

How the algorithms behind Go's work scheduler are designed to ensure that goroutines work effectively and efficiently.

JAANA B. DOGAN

[Announcing: How to Earn More as a Software Developer](#)

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SIMPLE PROGRAMMER [SPONSORED](#)

[GoReporter: Static Analysis, Testing, and Code Review Report Tool](#)

A tool that runs numerous other tools and combines their results into a code quality report.

360 ENTERPRISE SECURITY GROUP

[Consequences of Docker Becoming 'Moby' on Go Dependencies](#)

Rally has an app that compiles against Docker libraries, so the rename to Moby caused some trouble.

PATRICK BOHAN

[Renamed Types in Go \(And Why You Might Want to Use Them\)](#)

HUNTER LOFTIS

JOBS

[VP of Engineering \(f/m\)](#)

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IN BRIEF

dotGo: The European Go Conference (Paris, November 6) NEWS

6 fantastic speakers have already been announced.

DOTCONFERENCES

Microsoft Is Hiring Go Engineers to Work on Kubernetes NEWS

REDDIT

Faster Tests: Improve your build speed with Parallelism

Run your tests in parallel, get faster results. Try 20 complimentary parallel test pipelines for two weeks.

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Generating Data Structures That Need Additional Functions TUTORIAL

This is something that generics could make easier but is worth a study using available methods.

JON CALHOUN

Turning an Android Device into a Web Server with Go TUTORIAL

GERASIMOS MAROPOULOS

Basic AST Traversal in Go TUTORIAL

The Go standard library provides packages that make AST creation and traversal quite simple.

MARIO ZUPAN

Abundant Concurrency in Go TUTORIAL

Your concurrency mindset changes when you start using Go.

HUNTER LOFTIS

3 Ways to Iterate in Go TUTORIAL

KRZYSZTOF KOWALCZYK

How Dropbox Uses Go STORY

TAMMY BUTOW

Sorry, Go 2.0 Probably Won't Add Your 'Missing' Feature OPINION

That's not really a surprise, though, is it?

INFOWORLD

Why You Should Not Use 'checkErr' OPINION

POCKET GOPHERS

Ideas On Generics in Go OPINION

Another suggestion on how generics *could* work in Go.

MICHAL ŠTRBA

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Coa: A Local Continuous Integration Tool TOOLS

Locally run linters, tests, or build tools triggered by code changes.

ADAM TAUBER

Oak: A Pure Go Game Engine CODE

OAKMOUND STUDIO

etcdhcp: A DHCP Server Backed by etcd CODE

LAURIE CLARK-MICHALEK

go-uuid: Wrapper for Linux's Builtin UUID V4 Generator CODE

YASHA BUBNOV

httpfake: A 'httptest' Wrapper for Easily Setting Up A Fake Server CODE

MAX CLAUS NUNES

Consistent: Consistent Hashing and Consistent Hashing With Bounded Loads CODE

KHALID LAFI

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