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Golang Weekly

Issue 186 — November 16, 2017

FEATURED

[Celebrating 8 Years of Go](#)

While Go was created ten years ago, it became an open source project in 2009. In that time, it's become a popular language with a great community.

STEVE FRANCIA

[Go, Don't Collect My Garbage](#)

An extreme benchmarking of Go on a 24 core machine to find the optimum environment values and number of goroutines.

CLOUDFLARE BLOG

[A Look At The New 'pprof' User Interface](#)

In Go 1.10, pprof will come with a new Web-based UI, but you can already try it out if you want.

JBD

[Quickly Identify Errors in Your Query Syntax Thanks to Syntax Highlighting with PMM](#)

Percona Monitoring and Management (PMM) is an open-source database monitoring and performance optimization tool for MySQL & MongoDB. PMM builds upon other popular open source projects and deploys locally.

PERCONA SPONSORED



['Learn To Code The Go Programming Language': A New Course](#)

Google's Community Outreach Working Group and GreaterCommons have teamed up to release a free Go course.

GREATERCOMMONS

[Error Handling in Go](#)

"There are significant pain points related to error handling in other languages, and if Go is a little bit verbose about it - that's the lesser evil by far."

TIT PETRIC

[How Discord Resizes 150 Million Images Every Day with Go & C++](#)

How a popular chat app amongst gamers handles images sent through the system.

DISCORD BLOG

[fx: A Lightweight Serverless Framework Based on Docker](#)

Written in Go, but supports all major languages for the underlying functions offered as a service.

H. MINGHE

JOBS

Interested in Blockchain, Smart Contracts, and Crypto?

If so, we at Decred would love to make your acquaintance. We offer a fast paced environment where you will never get bored hacking on cool tech.

DECRED

Looking for a Job at a Company That Prioritizes Go?

Try Vettery and we'll connect you directly with thousands of companies looking for talented back-end devs.

VETTERY

IN BRIEF

Basic AST Manipulation in Go TUTORIAL

Using the AST tools in Go to parse and modify a source file.

MARIO ZUPAN

Understanding Go Panic Output TUTORIAL

Go explodes parameters in the stacktrace based on their data type which can be confusing.

JOE SHAW

An Introduction to gosiris, An Actor Framework for Go TUTORIAL

TEIVA HARSANYI

A Deep Introduction to bufio.Scanner TUTORIAL

..for processing a stream of data by splitting it into tokens.

MICHAŁ ŁOWICKI

Understanding SOLID Principles: The Interface Segregation Principle TUTORIAL

The fourth in the series on SOLID principles using examples in Go.

FANIS DESPOUDIS

Foldable Go TUTORIAL

An attempt to write some functional constructs to replace `for` loops.

ZENDESK ENGINEERING

Set Up a Netflix Style Streaming Service with Golang

Cloud or On-Premise encoding solution on Kubernetes and Docker. MPEG-DASH, HLS, VP9, HEVC, Multi-DRM, VoD or Live.

BITMOVIN SPONSORED

Why We're Building A Blockchain in Go STORY

KARACHAIN

Learning Go by Porting A Medium-Sized Web Backend from Python STORY

BEN HOYT

Plotting Latency Distributions with gonum VIDEO

gonum is a group of numeric libraries for Go.

FRANCESCO CAMPOY

6 Simple Tools to Improve Your Go Code TOOLS

Brief overviews of tools that, mostly, perform static analysis of code.

RÉMY MATHIEU

prealloc: Find Slice Declarations That Could Potentially Be Preallocated TOOLS

ALEX KOHLER

dgw: Generate Go Structs and Functions from Postgres Tables TOOLS

AKIRA CHIKU

Gophercises: Free Coding Exercises for Budding Gophers TOOLS

JON CALHOUN

\$100 Credit on a New Semaphore CI Account TOOLS

Hosted CI/CD that's 91% faster than the competition. Sign up for free and use code GOPHEMBER17 to get your credit.

SEMAPHORE SPONSORED

Minify: Go Minifiers for Web Formats (CSS, HTML, JSON, etc.) CODE

An update in the past week has made it a *lot* faster than before.

TACODE WOLFF

mchain: A Minimalistic Library for Middleware Chaining CODE

PRASANNA V. LOGANATHAR

gonfig: Go Package for Program Configuration CODE

Take config values from a file, env variables, and cmd line flags.

STEVEN ROOSE

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