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Go Newsletter

Issue 162 — June 1, 2017

FEATURED

Understanding Tensorflow Using Go

An error-driven approach to learning the Tensorflow architecture and what is possible with the Go binding. (Tensorflow is a popular machine learning library.)

PAOLO GALEONE

17 Talks from GopherCon Singapore 2017 VIDEO

It took place last week and there were many interesting talks like [escape analysis and memory profiling](#), [building CLI apps with Go](#), and [a talk on Dgraph](#).

YOUTUBE

Real-time Go app performance monitoring

Analyze Go app performance alongside metrics from your infrastructure. Troubleshoot slow requests with end-to-end tracing. Set alerts to automatically detect issues. See it in action with a 14-day trial.

DATADOG SPONSORED

'We Made A Multiplayer Browser Game in Go for Fun'

The challenges of creating a back-end for a multiplayer browser game using Go, including websockets and network data strategies.

U2I BLOGS

Building and Using Coverage-Instrumented Programs

Create coverage-instrumented binaries, run them and aggregate the coverage data from running both the program and the unit tests.

DAMEN LESPIAU

Gollvm: Prototype LLVM IR Generation 'Middle End' for a LLVM-Based Go Compiler

This approach may provide a way to target WebAssembly from Go in future. [Related Hacker News discussion](#). (BTW, *what a great project name!*)

THE GO TEAM

Building a Text to Speech Server with GRPC and Kubernetes VIDEO

A fun look at how a Go expert puts a project together. *47 minutes*.

FRANCESCO CAMPOY

JOBS

Golang Backend Engineer (Berlin, Germany) (f/m)

We're looking for senior Golang developers interested in building scalable backend services for real-time anti-fraud detection.

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IN BRIEF

[dotGo: The European Go Conference \(Paris, November 6\)](#) NEWS

4 speakers announced so far: Francesc Campoy, Jaana B. Dogan, Brian Ketelsen, & Sameer Ajmani.

[DOTGO.EU](#)

[A Look at Go Methods](#) TUTORIAL

Covers the basics along with value vs pointer receivers and arguments.

[NAVEEN RAMANATHAN](#)

[A Simple Go 'retry' Function](#) TUTORIAL

[UPGEAR](#)

[Make Ctrl+C Cancel context.Context](#) TUTORIAL

Cleanly terminate a web server by handling SIGINT with context events.

[MAT RYER](#)

[Structs in Go: A Basic Tutorial](#) TUTORIAL

[NAVEEN RAMANATHAN](#)

[Evergreen Continuous Integration: Why We Reinvented the Wheel](#) STORY

How Go proved itself so useful in building Evergreen that we went on to rewrite our Cloud agents and the MongoDB tools using it.

[MONGODB](#) SPONSORED

[Abstracting the Logger Interface in Go](#) STORY

[ANTON KALIAEV](#)

[Go Pros and Cons for DevOps: Goroutines, Panics, and Errors](#) OPINION

[BLUE MATADOR](#)

[High Performance and Scaling Techniques in Go using Go Assembly](#) VIDEO

[FRANK WESSELS](#)

[Efficient Generic Multidimensional Slices in Go](#) VIDEO

[XUANYI CHEW](#)

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[A Spinning Cube Demo Using Go and the Vulkan 3D Graphics API](#) CODE

[VULKAN](#)

[gonvim: Neovim UI Written in Go](#) CODE

Using libui.

[GITHUB.COM](#)

[githubql: A Client Library for Accessing the GitHub GraphQL API](#) CODE

[DMITRI SHURALYOV](#)

[A Go Parser for 'ssh_config' Files](#) CODE

[KEVIN BURKE](#)

[Istio: A Platform for Controlling and Connecting a Mesh of Microservices](#) CODE

[GITHUB.COM](#)

[Pixel 0.6: A 2D Game Library](#) CODE

This new release adds text drawing and more.

[MICHAL ŠTRBA](#)

[go-httpdoc: Generate API Documentation From httptest Test Cases](#) CODE

[MERCARI](#)

[A Go-Powered Slack Interactive Message Bot](#) CODE

[TAICHI NAKASHIMA](#)

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