Golang Weekly

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Issue 173 — August 17, 2017

FEATURED

RustGo: Calling Rust From Go with Little Overhead

How the desire to increase performance calling into assembly led to the creation of calling into Rust from Go.

FILIPPO VALSORDA

Why context.Value Matters and How to Improve It

A response to last week's Context should go away in Go 2 with a look at what problems the context package addresses and why the alternatives are insufficient.

AXEL WAGNER

How I Built An Audio Library using the Composite Pattern and Higher-Order Functions

An interesting example of using a design pattern to build an audio library in Go.

MICHAL ŠTRBA

How to Sell Your Team on CI/CD

A step-by-step guide to updating legacy processes in your org. Changing the way teams work is hard. Just think how hard it is to change just yourself. Then sprinkle in the difficulty of getting a group of people using various applications moving in the same direction.

CIRCLECI SPONSORED

A Use Case for Go Generics in the Go Compiler

The problem addressed is handling map order insertion today vs using generics.

DR2CHASE

The 30 Most Popular Go String Functions

Brief explanations followed by code examples for many common functions in the "strings" standard library package.

GOLANG TUTORIAL

What Happened at Go's Contributor Workshop

At the Community Day before GopherCon, 35 mentors and 140 newcomers walked through how to contribute to Go.

THE GO BLOG

A List of Top Go Frameworks, IDEs and Tools

A quick review of some of the best web frameworks and tools in the Go landscape.

QUINTIN GULLIVER

JOBS

Senior Go Engineer - Data Science Platform

We're looking for a Go engineer for a data science environment supporting data scientists all the way from exploring data to deploying models.

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IN BRIEF

[Go 1.9 Release Candidate 2 Released](#) `NEWS`
GOOGLE.COM

[$20 Free on a new Linode account](#)
Linux cloud hosting starting at 1GB of RAM for $5/mo. Use promo code GO20 for $20 credit.
LINODE `SPONSORED`

[Testing with GoMock: A Quick Tutorial](#) `TUTORIAL`
GoMock includes code generation for interfaces and tools to set and check expectations.
CODECENTRIC

[Building An ML-Powered Game AI Using TensorFlow](#) `TUTORIAL`
Based on a talk from GopherCon 2017.
GOPHERDATA

[Build a Facebook Messenger Bot with Go and Messenger API](#) `TUTORIAL`
M. LABOUARDY

[Using etcd3 with Go](#) `TUTORIAL`
COMPOSE

[How I Landed My First Contribution to Go](#) `STORY`
AGNIVA DE SARKER

[Write Once, Run Anywhere: Go for DevOps](#) `VIDEO`
It's "super duper for devops", says Caskey.
CASKEY L. DICKSON

[The Hidden Costs of Data Engineering](#)
Managing databases in today's environments presents many complex problems. See the impact in this 2016 survey.
VIVIDCORTEX `SPONSORED`

[dep 0.3.0 Released: The Go Dependency Management Tool](#) `TOOLS`
GITHUB.COM

[poormanscdn: An Amazon S3 Caching Proxy Built in Go](#) `TOOLS`
ALEXANDRE SALLE

[Cloudprober: Active Monitoring Software for Your Infrastructure](#) `CODE`
GOOGLE

[wuzz: An Interactive CLI Tool for HTTP Inspection](#) `CODE`
ADAM TAUBER

[TLSH: Trend Micro Local Sensitive Hash Library](#) `CODE`
A fuzzy matching library which creates hashes that can be used for *similarity comparisons*.
LUKAS RIST

[GoWorld: A Distributed Game Server Engine with Hot Swapping](#) `CODE`
SEIS

[dcrawl: A Naive Multi-Threaded Web Crawler](#) `CODE`
Take care as it doesn't use robots.txt files.
KUBA GRETZKY

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