Golang Weekly

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Issue 204 — March 29, 2018

FEATURED

Interface Values Are Valueless

A somewhat mind-blowing look at how Go uses interfaces to support classic polymorphism.

WILLIAM KENNEDY

Go Issues: Like godoc.org, But for Issues

Currently only supports the stdlib and golang.org-based packages.

GO ISSUES

Redis 4.0 with Memory Mapping

Try Redis 4.0 with HA and memory analysis features from RedisGreen.

REDISGREEN SPONSORED

A Proposal for Package Versioning in Go

We linked to the more academic proposal last week, but now there's a more accessible writeup and explanation on the official Go blog.

RUSS COX

A Proposal for Non-Cooperative Goroutine Preemption

Go's runtime allows co-operative context switches to occur during the initial stages of running a function, but there are edge cases where this can cause latency issues. This proposal suggests an approach that would allow non-cooperative context switches to safely occur at any point.

AUSTIN CLEMENTS

Go 1.10.1 and Go 1.9.5 Released

Minor releases that include fixes to the compiler, runtime, go command, and numerous packages (including net/http and crypto/tls).

ANDREW BONVENTRE

JOBS

GCP/Go Backend Engineer (New York, NY w/ Relocation Assistance)

Wanna build cool products in the heat of New York on Google Cloud, Big Data & Stellar blockchain? 100% Go stack.

MADHIVE

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VETTERY

IN BRIEF

Web Scraping with Go `TUTORIAL`
Code samples for fetching and scanning Web pages.
NANO DANO

Goroutines, Channels, and WaitGroups `TUTORIAL`
Concurrency may be easier in Go, but so is creating deadlocks.
DAN RICHARDS

How-To: Low-Risk Continuous Delivery and Deployment ☐
Deploying to production can be filled with uncertainty. Reduce risks w/ the right culture and tooling to deploy early and often. Download Guide.
ROLLBAR `SPONSORED`

Numeric Optimization in Go with Nelder-Mead and Gonum `TUTORIAL`
The example uses gonum to fit a line to a dataset of points.
VIVIDCORTEX

Writing Slack Bots in Go `TUTORIAL`
X-TEAM

Code Like the Go Team `SLIDEDECK`
BRIAN KETELSEN

Advanced Testing with Go `VIDEO`
MITCHELL HASHIMOTO

On-Demand Webinar: Golang for Cloud Computing Deployments
HAZELCAST `SPONSORED`

The Ideas That Shaped Go `OPINION`
DAMIAN GRYSKI

Developers Weigh in on Net Neutrality, the EU's GDPR, and Other Topics
DIGITALOCEAN `SPONSORED`

gokrazy: A Pure-Go Userland for Raspberry Pi 3 Appliances `TOOLS`
No C runtime, no console, no systemd, just gokrazy (and its web interface) and your Go application.
GOKRAZY

vim-go 1.17 Released: The Go Development Plugin for Vim `TOOLS`
FATIH ARSLAN

Zerolog: A Zero Allocation, Chainable JSON Logger `CODE`
OLIVIER POITREY

Oragono: An IRC Server Written in Go `CODE`
JEREMY LATT

Soup 1.1: Web Scraping in Go, Inspired by BeautifulSoup `CODE`
Makes it really easy to grab HTML pages, dig around the elements, and extract any info. 1.1 released yesterday.
ANAS KHAN

Grace: Handle Recover, Panic, and Errors in A Graceful Way `CODE`
Has multiple error support, basic filters, and custom handlers.
OXEQUA

gemacs: A Lightweight Emacs Written in Pure Go `CODE`
JASON E. ATEN, PH.D.

GoCV Release: 'This One Goes to 0.11' `CODE`
GoCV is a computer vision library for Go that uses OpenCV.
GOCV

A (Very) Simple Go Blockchain Implementation `CODE`
DAMIEN RADTKE

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