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Golang Weekly

Issue 175 — August 31, 2017

FEATURED

Go 1.9 Released

A key release with numerous changes and tweaks, including the introduction of *type aliases* and a concurrent-safe Map type. The compiler now also compiles functions in a package concurrently.

FRANCESC CAMPOY

Running Go on Low Memory Devices

A look at running on an embedded device with severe memory constraints (170MB) by tweaking buffer sizes and forcing the GC to return unused memory.

SAMSARA ENGINEERING

How TravelPerk decreased their CI build time by 25% with Codeship Pro

After switching to Codeship Pro from their previous CI provider, TravelPerk saw significantly reduced build times and experienced "amazing flexibility" with the platform. Give Codeship Pro a free try today.

CODESHIP SPONSORED

The Thing About Slices

Looking at some of the odder aspects of slices, including how append allocates, copying slices, and using slices in channels.

TIT PETRIC

Understanding Type Aliases (in 38 Minutes) VIDEO

The use case for type aliases and an example refactoring to get you up to date with 1.9's biggest new feature.

FRANCESC CAMPOY

A Go Experience Report for Generics: Google Metrics API

It seems every week brings more experience reports about generics, this one discusses what was done, what could've been done, and why generics would help.

SAMEER AJMANI

Handling 1M Requests per Minute with Go

A look at the approaches one company has taken to scale with Go and related technologies.

MARCIO CASTILHO

In the Not Too Distant Futures...

Building a chainable futures library using goroutines, channels, and select statements.

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Software Engineer - Backend Integrations

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IN BRIEF

GopherJS 1.9-1 Released: The Go to JS Compiler `NEWS`

DMITRI SHURALYOV

Ways to Limit Concurrent Resource Use in Go `TUTORIAL`

POCKET GOPHERS

Version Constraints and Go `TUTORIAL`

How to constrain the Go version at compile time with a package called `goconstraint`.

TIM HECKMAN

The Strategic IT Manager's Guide to Building a Scalable DBA Team

Transform your DBA team from a passive function driven by IT demands into a strategic center of excellence.

VIVIDCORTEX `SPONSORED`

Examples of Date and Time Manipulation Functions in Go `TUTORIAL`

GOLANGPROGRAMS.COM

An Adventure in Trying to Optimize math.Atan2 with Go Assembly `TUTORIAL`

AGNIVA DE SARKER

How to Trust Extra CA Certificates in Your Go App `TUTORIAL`

A way to use self-signed and trusted certificate authorities in the same app.

DAVE RUSSELL

Building a Simple Blockchain in Go `TUTORIAL`

The first post in a series. There's also part 2 and 3, with more to come.

IVAN KUZNETSOV

Track Go app performance in real time `TOOLS`

Visualize custom metrics, correlate with 200+ other techs across your stack, and set sophisticated alerts.

DATADOG `SPONSORED`

is: A Lightweight Testing Mini-Framework for Go `CODE`

MAT RYER

Teleport: A Versatile TCP Socket Framework `CODE`

Can be used for RPC, microservices, peer to peer, game services, etc.

HENRY LEE

Streamlist: A Self-Hosted Music Server Written in Go `CODE`

GITHUB.COM

Goby: A Language For Developing Microservices, with a Go VM `CODE`

The language itself is heavily inspired by Ruby.

GOBY-LANG