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Go Newsletter

Issue 119 — July 21, 2016

FEATURED

[Understanding Nil \(in Go\)](#) SLIDEDECK

Slidedeck from the opening keynote at GopherCon 2016 digging into nil, what it represents, what it means, and how it's defined in Go.

FRANCESC CAMPOY FLORES

[GoTrace: Concurrency Tracer and Visualizer for Go](#) TOOLS

A 3D (WebGL) visualizer of Go concurrency flows. It analyzes trace produced by `go tool trace`.

IVAN DANILUK

[BuntDB: Embeddable, In-Memory Key/Value Database for Go](#) CODE

A low-level, in-memory (but persists to disk), key/value store in pure Go, with geospatial support. Inspired by BoltDB.

JOSH BAKER

[Neither this, nor self: Receivers in Go](#)

As the old joke goes, there are only two hard problems in computer science - cache invalidation and naming things. Andrey Petrov shows us how to solve the latter when naming receivers in Go.

[Read More.](#)

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[Go 1.6.3 and 1.7rc2 Released](#) NEWS

Versions 1.6.3 and 1.7rc2 contain a fix for a security-related issue ([httpoxy](#) in particular) in addition to adding support for the upcoming macOS Sierra.

CHRIS BROADFOOT

[How to Correctly Use context.Context in Go 1.7](#) TUTORIAL

A look at a new library in Go 1.7, the `context` library, and when or how to correctly use it.

JACK LINDAMOOD

[Gongular: A Different Approach to Go Web Frameworks](#) CODE

An HTTP server framework for developing APIs easily. It's similar to [Gin Gonic](#), but features Angular-like dependency injection and better input handling.

MUSTAFA AKIN

JOBS

[Stop Applying to Jobs - Let Companies Come To You](#)

On [Hired](#), engineers typically get 5+ job offers in 1 week. Find that new opportunity you've been craving and get access to 4,000+ companies instantly.

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IN BRIEF

[A Retrospective of GopherCon 2016](#) **NEWS**

A look back at GopherCon 2016, which took place in Denver earlier this month.

BRIAN KETELSEN

[Building Your Own Build Status Indicator with Go and a Raspberry Pi 3](#) **TUTORIAL**

TIT PETRIČ

[Using Go For Custom Wallpapers](#) **TUTORIAL**

A fun project for creating custom desktop wallpapers. There's an [associated GitHub repo](#).

JOHN PETTIGREW

[Go is for Everyone](#) **OPINION**

MATT AIMONETTI

[Debug and Support Your Go Apps with Backtrace. Free to Try.](#) **TOOLS**

Capture and analyze the complete state of your Go apps at the time of error. Go beyond error reports. [Read more](#).

BACKTRACE **SPONSORED**

[UniDoc: A PDF Toolkit for Go](#) **CODE**

Released under a dual AGPL/commercial license.

UNIDOC

[Sleuth 1.0: Library for Masterless P2P Autodiscovery Between HTTP Services](#) **CODE**

AFSHIN DARIAN

[fast: Minimal Zero-dependency Utility for Testing Internet Download Speed](#) **CODE**

A very simple wrapper around fast.com.

DDO

[Work: Enqueue and Processes Background Jobs in Go](#) **CODE**

GOCRAFT

[mailchimp-go: Go Client for MailChimp API V3](#) **CODE**

"While coverage of the MailChimp API is limited in the current state, the goal is to provide a basic structure that can be built upon to eventually have full coverage."

CONNER HEWITT

[RAM increase: 2GB of RAM for only \\$10/mo.](#) **TOOLS**

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