

[« Prev](#)[Next »](#)

Golang Weekly

Issue 176 — September 7, 2017

FEATURED

[Using Go Assembly in 6 Examples](#)

A hands-on introduction, organized around a handful of annotated example programs, of using Go's assembly features. Here's a [simpler intro](#) to get the idea.

DAVID WONG

[NGINX Unit: A New Open Source App Server That Supports Go](#)

A new, lightweight, app server from NGINX designed for dynamic and distributed applications. In beta, it currently supports Go, PHP and Python.

NGINX

[The Go Community Outreach Working Group \(COWG\)](#)

The COWG is to “act as a conduit between the broader Go community, its organizers and the Go project.”

THE GO BLOG

[The Ultimate Guide to Building Database Driven Apps with Go](#)

This book contains years of wisdom from experts & the fastest way to learn how to connect to a database with Go.

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[Go Does Not Inline Functions When It Should](#)

A common compiler optimization is inlining a function call. Go seems shy about this optimization, resulting in performance penalties.

DANIEL LEMIRE

[complete: A Tool for Writing Bash Completion Scripts](#)

Writing bash completion scripts can be tricky, so why not do it in Go? This package will help.

EYAL POSENER

[grpc: From Tutorial to Production](#) VIDEO

From GopherCon 2017, a walk through building a cache client/server using grpc, highlighting the good and bad bits.

ALAN SHREVE

JOBS

[Distributed Systems Engineer at Ably \(Remote in EU\)](#)

If consensus algorithms get your mental juices flowing, then come join the team behind a global and fault-tolerant messaging platform.

ABLY REALTIME

[Finding a Job Shouldn't Feel like Work. Try Hired Today.](#)

Save time on your job search. Hired delivers multiple, high-quality job offers to you. Sign up today.

HIRED

IN BRIEF

[AWS X-Ray SDK for Go Now in Beta](#) NEWS

Provides tools for instrumenting your code in order to gain insights into production performance.

AMAZON WEB SERVICES

[The 2017 Firebase Summit is coming to Amsterdam 31 October 2017](#) NEWS

Attend technical sessions, instructor-led codelabs & demos, and meet-ups with Firebase developers.

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[Read Go's 'MemStats' the Hard Way](#) TUTORIAL

YUWEI BA

[Rate Limiting Service Calls in Go](#) TUTORIAL

Using channels, goroutines, and context to throttle calls to a backend service.

KEVIN HOFFMAN

[Debouncing Consumer Queues in Go](#) TUTORIAL

An attempt at throttling a receiver of events using goroutines, channels, and a buffered queue.

RALPH CARAVEO III

[Handling Data Modeling Errors in a Go + Couchbase App](#) TUTORIAL

NIC RABOY

[Generating Prefixed Base64 Identifiers in Go](#) TUTORIAL

JAMES COX

[How to Test HTTP\(S\) Services in Go](#) TUTORIAL

Quick examples of testing HTTP and HTTPS servers written using the standard library.

LUCA GUIDI

[Cruise Automation Uses CircleCI to get self-driving cars on the road](#)

Cruise Automation (a subsidiary of GM) chose CircleCI to help their team get autonomous vehicles on the road.

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[An Online REPL to Transform JSON into a Go Struct](#) TOOLS

RITESH KUMAR

[Goland EAP 13: The JetBrains Go IDE](#) TOOLS

JETBRAINS

[Marvin: A Go-kit Server for Google App Engine](#) TOOLS

NEW YORK TIMES OPEN

[hkpg: Automated Archiving of Heroku Postgres Backups to S3](#) CODE

SIMON TARANTO

[go-web-framework-stars: Top Go Web Frameworks Based on Stars](#) CODE

MINJAE KWON

[stackblur-go: A Fast 'Almost Gaussian' Blur Implementation in Go](#) CODE

ENDRE SIMÓ

[cidranger: Fast IP to CIDR Lookup](#) CODE

One for the networking crowd.

YULIN CHEN

[Wagon: A WebAssembly-Based Go Interpreter](#) CODE

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