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## Go Newsletter

Issue 91 — January 7, 2016

### THE BEST GO LINKS OF 2015

I hope you've had a great holiday season. While everyone mentally boots up for the year, we decided to take a look back at the best of 2015. There's some great stuff to check out here.

- *Peter Cooper, Editor*

### FEATURED

## Traps, Gotchas, and Common Mistakes for New Go Devs

An extensive list of 52 Go 'gotchas' split into beginner, intermediate and advanced levels, each with a description and code examples.

KYLE QUEST

## Go: How I Start

A 'from scratch' look at beginning to use Go and how Peter Bourgon, a Go evangelist and engineer at SoundCloud, likes to get a Go project started.

PETER BOURGON

## Siesta: RESTful Services Made Simple in Go

Boasts more sophisticated routing than provided by net/http, easy definition and validation of inputs, middleware-style handler chaining, and an idiomatically Go flavor. This was our most popular link of 2015.

VIVIDCORTX

## Free eBook: Automate your Development Workflow with Docker

In this free Codeship eBook you will learn how to use Docker to solve the problems of inconsistent environments on varying deployment targets and how to build an app to run inside an isolated Docker Container.

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## 7 Common Mistakes in Go and When to Avoid Them **VIDEO**

Steve Francia of Docker looks at some common mistakes when using Go's features, such as interface usage, pointer misunderstandings, and thinking of errors as strings.

YOUTUBE

## The Anatomy of A Go Project

Writing Go code is one thing, but structuring code into a robust project that others can easily work with is another. Here are some tips on the latter.

AFSHIN DARIAN

## Handling 1 Million Requests per Minute with Go

An engineer needed to build a system that could handle a heavy load (telemetry data POSTed from millions of endpoints). Here's his story of how he iterated on a solution using Go.

MARCIO CASTILHO

## Performance Without The Event Loop

A look at how Go helps programmers write highly scalable network servers, without having to worry about thread management or blocking I/O.

DAVE CHENEY

## **JOBS**

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## **IN BRIEF**

## Go 1.5 Released: The Sixth Major Stable Release NEWS

Back in August.

GOLANG.ORG

## GopherCon 2015 Roundup NEWS VIDEO

OFFICIAL GO BLOG

## Go Performance Tips TUTORIAL

JOSH RENDEK

## Ten Useful Techniques in Go TUTORIAL

FATIH ARSLAN

## Writing Microservices in Go TUTORIAL

A very introductory look, aimed at people new to Go.

KRISTOPHER SANDOVAL

## How to Optimize Garbage Collection in Go TUTORIAL

JESSICA EDWARDS

## What Editors / IDEs Are You Using with Go? OPINION

vim (with vim-go) and Sublime Text were the most popular options.

REDDIT

## Go GC: Prioritizing Low Latency and Simplicity OPINION

Richard Hudson looked at the future of garbage collection in Go.

OFFICIAL GO BLOG

## Best Practices for A New Go Developer OPINION

15 Go developers answered the question “What best practices are most important for a new Go developer to learn and understand?”

SATISH TALIM

## Which Language Has The Brightest Future in Replacing C: D, Go, or Rust? OPINION

QUORA

## Go Fragments: Short, Annotated Go Programs to Learn From CODE TUTORIAL

86 (and counting) simple, idiomatic examples.

PATRICK TOCA

## Gizmo: A Microservice Toolkit from The New York Times CODE

THE NEW YORK TIMES

## Bosun: An Open Source Monitoring and Alerting System CODE

STACK EXCHANGE

## Fuzzy Search: Tiny and Fast Fuzzy Search in Go CODE

PETER RENSTRÖM

## Echo: Fast HTTP Router and Micro Web Framework CODE

LABSTACK

## fasthttp: Fast HTTP package for Go CODE

“In short, fasthttp is up to 10 times faster than net/http.”

ALIAKSANDR VALIALKIN

## Fabio: A Zero-Conf Load Balancing HTTP Router for Microservices CODE

EBAY

## go-json-rest: A Quick and Easy Way to Setup A RESTful JSON API CODE

ANTOINE IMBERT

Drill down into Go application performance and correlate with metrics from across your stack with Datadog.

TOOLS

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