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## Go Newsletter

Issue 128 — September 22, 2016

### FEATURED

#### A Walkthrough of Go's 'fmt' Package TUTORIAL

Ben Johnson's latest package walkthrough, this time focusing on `fmt` which provides ways to format output, interpolate variables into strings, and more.

*BEN JOHNSON*

#### Gallium: Build Desktop Apps with Go and HTML TOOLS

It's early days and OS X only for now, but this is a Go library for managing windows, menus, dock icons, desktop notifications, while providing a Chromium webview component.

*ALEX FLINT*

#### Dropping Down Go Functions in Assembly VIDEO

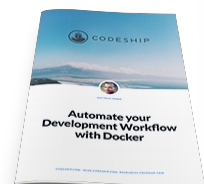
In 28 minutes, learn to write Go functions in assembly: covers the basics such as syntax, function arguments and stack management.

*MICHAEL MUNDAY*

#### Free eBook: Automate your Development Workflow with Docker

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.

*CODESHIP* SPONSORED



#### Run Fast Parallel File Searches with `sync.ErrGroup` TUTORIAL

Go's new `sync.ErrGroup` package can significantly improve developer productivity with goroutines.

*BRIAN KETELSEN*

#### cgogen: Automatic Go Bindings Generator TOOLS

Provides a way to quickly incorporate C libraries into your Go projects using `cgo`.

*MAXIM KUPRIANOV*

### JOBS

#### Find Your Perfect Company Match

You're smart, you're efficient. Why job hunt the old way? Try Hired and get your profile in front of thousands of top tech companies.

*HIRED.COM*

### IN BRIEF

#### Steve Francia Joining the Go Team at Google NEWS

He comes from MongoDB & Docker and wants help to steer the Go ecosystem in the right direction.

*STEVE FRANCIA*

#### The Go Workbench Idea NEWS

A conceptual 'onboarding' process for introducing new users on how best to use Go.

*ANDREW GERRAND*

## [Connecting R and Compose PostgreSQL](#) TUTORIAL

Learn how to connect R, the language used by data scientists and statisticians, to PostgreSQL with RPostgreSQL and RPostgres.

COMPOSE SPONSORED

## [Docker + Golang = Love](#) TUTORIAL

A short collection of tips and tricks showing how Docker can be useful when working with Go code.

JÉRÔME PETAZZONI

## [Making Tor HTTP Requests with Go](#) TUTORIAL

DEV DUNGEON

## [Passing Channels over Channels](#) TUTORIAL

AARON SCHLESINGER

## [How to Very Easily Dockerize Your Go App](#) TUTORIAL

TRAVIS REEDER

## [For Go Builtins, Nil and Empty Read The Same](#) TUTORIAL

JACK LINDAMOOD

## [Utilizing the Go 1.7 SSA Compiler](#) SLIDEDECK

KLAUS POST

## [What Is A Container, Really?](#) VIDEO

Let's write one in Go from scratch. 22 minutes.

LIZ RICE

## [When Idioms Become Bottlenecks](#) VIDEO

Filmed at this year's Golang UK Conference 2016. 25 minutes.

TRAVIS BISCHSEL

## [Go 1.8 Performance Improvements, One Month In](#) OPINION

A brief look at the state of play, roughly half way into Go 1.8's development cycle.

DAVE CHENEY

## [Simple to use, powerful programming language need a home?](#) TOOLS

Use a simple, powerful hosting company.

LINODE SPONSORED

## [Meet Moq: Easily Mock Interfaces in Go](#) TOOLS

Moq is an interface mocking tool for go generate.

MAT RYER

## [melodyAPI: A Package Cache for Go](#) TOOLS

A rough draft of an idea to see if it resonates with Go developers.

XIAOYING RILEY

## [Gorgonia: A Library To Facilitate Machine Learning in Go](#) CODE

Gorgonia is a library similar to Theano or TensorFlow, but in Go. Here's the [accompanying blog post](#).

XUANYI CHEW

## [EliasDB: A No Dependencies Graph Database Written in Go](#) CODE

Exposes a REST API.

MATTHIAS LADKAU

## [sql2xlsx: Convert SQL Rows Into Microsoft Excel Files](#) CODE

BRUCE MARRIN

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