

## Go Newsletter

Issue 41 — January 19, 2015

### A LETTER FROM THE EDITORS

As Matt [mentioned](#), change is in the air and the *Go Newsletter* now counts [JavaScript Weekly](#) and [Postgres Weekly](#) as sister newsletters at [Cooper Press](#).

The main changes are a new layout, new site, and publication is weekly once again. Each future issue will be sent on *Thursdays* from Jan 22 onward, so we'll see you again soon :-)

- *Peter Cooper and Matt Cottingham*

### Featured

#### [Go 1.5's Bootstrap Plan](#) NEWS

The team wants Go to eventually be built entirely with a toolchain written in the language, eliminating all C programs from the Go source tree.

[GOOGLE.COM](#)

#### [Go 1.4.1 Released: A Minor Bug Fix Release](#) NEWS

[GOLANG.ORG](#)

#### [Go and the Secure Shell protocol](#) TUTORIAL

An introduction to the technicalities of the Secure Shell protocol before moving on to creating a small SSH daemon in Go.

[GOPHER ACADEMY](#)

#### [Errors Are Values](#) OPINION

Some reflection on error handling in Go.

[THE GO BLOG](#)

#### [Go Bootcamp Tour: Four 3 Day Go Workshops Across America](#) NEWS

An introductory Go course in San Francisco, Denver, Washington DC, and New York.

[ARDAN LABS](#)

#### [Building Services in Go](#) VIDEO

A look at building production-level services that can cope with 10,000 simultaneous clients. Claims to be 'a quick-and-dirty education in building highly concurrent software.'

[MARK SMITH](#)

### Reading

#### [Go: From a Non-Programmer's Perspective](#) OPINION

[JIAN ZHEN](#)

#### [Why Tech Startups Should Look At Go](#) OPINION

[WILLIAM KENNEDY](#)

## Type-safe Templating with 'ego' TUTORIAL

ego is a port of Ruby's ERB templating system.

*BEN JOHNSON*

## Using Go to Improve Your Ruby Application's Performance TUTORIAL

A rather artificial example but a look at how calling out to programs written in Go can work from slower languages.

*ANTOINE FINKELSTEIN*

## Datetime Parsing with Go TUTORIAL

*SIMON TARANTO*

## Videos

### Let's Build A Virtual Machine (in Go)

A simple 25 minute introduction and live coding session. (The content is good although the audio is rather quiet.)

*TOM HUDSON*

### Gobot Is Go: Using Golang For Robotics and The Internet of Things

Gobot, a Go robotics framework, can communicate with different kinds of hardware devices (like Arduinos, Spheros, ARDrones) and integrate them together.

*RON EVANS AND ADRIAN ZANKICH*

## Code

### Nintengo: An NES Emulator Written in Go CODE

*NIELS WIDGER*

### go-wiki: A Simple Wiki Server written in Go CODE

*PETER RENSTRÖM*

### BadActor: An In-Memory Application Driven Jailer Written in Go CODE

*JARED FOLKINS*

### novm: An Experimental KVM-based Hypervisor, written in Go CODE

A legacy-free type 2 hypervisor written in Go. Its goal is to provide an alternate, high-performance Linux hypervisor for cloud workloads.

*GOOGLE*

### disposable\_redis: Create Disposable Redis Instances on Random Ports CODE

*GITHUB*

### Bolt: A Low-Level Key/Value Database for Go CODE

*BOLTDB*

### vips: Go Bindings for Vips (a super fast image processor) CODE

*DAVIDE D'AGOSTINO*

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