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Article Indexes

- [Collection of #golang posts on Medium](#) *latest*
- [Go articles from Dr. Dobbs](#) *latest*
- [Slideshare Collection of #golang presentations](#) *latest*
- [Short Go tutorials on SocketLoop](#) *latest*
- [An Introduction to Go](#) *latest*

General

- [Darker Corners of Go](#) 2021-03-13
- [Working with Golang Maps](#) 2020-09-25
- [Practical Go: Real world advice for writing maintainable Go programs](#) 2019-05-01
- [Here are some amazing advantages of Go that you don't hear much about](#) 2018-02-01
- [Go Defer Simplified with Practical Visuals](#) 2017-11-23
- [The Zoo of Go Funcs](#) 2017-11-09
- [Ultimate Guide to Go Variadic Functions](#) 2017-11-02
- [Go Funcs-Baby Gopher's Visual Guide](#) 2017-10-27
- [Ultimate Visual Guide to Go Enums](#) 2017-10-19
- [Learn Go Constants](#) 2017-10-10
- [Learn Go Variables](#) 2017-10-04
- [Introduction to Go Packages](#) 2017-09-26
- [About Go Language—An Overview](#) 2017-09-20
- [Debugging code generation in Go](#) 2016-10-15
- [Go tooling essentials](#) 2016-09-25

- [Go from PHP engineer's perspective](#) 2016-02-25
- [Go Proverbs, Illustrated](#) 2015-12-04
- [A whirlwind tour of Go's runtime environment variables](#) 2015-11-29
- [Idiomatic Doc Comments: Document your function, not your function signature](#) 2015-10-14
- [Best Practices for a new Go Developer](#) 2015-09-01
- [Golang Refactoring Tools](#) 2015-08-30
- [Working with Files in Go](#) 2015-08-23
- [Defer Fun](#) 2015-07-25
- [Things I learned teaching Go - Francesc Campoy](#) 2014-11-24
- [Understanding Go Packages](#) 2014-11-01
- [Structuring Applications in Go](#) 2014-06-06
- [Functional Options for Friendly APIs](#) 2014-10-17
- [Go Programming for Beginners](#) 2014-10-01
- [Switching from Python to Go](#) 2014-04-21
- [Google Go: The Good, the Bad, and the Meh](#) 2013-02-10
- [What I Love About Go](#) 2013-01-25
- [Why I program in Go](#) 2013-01-05
- [Go: A New Language for a New Year](#) 2012-01-06
- [Why you PHP guys should learn Golang](#) 2012-08-10
- [Why I went from Python to Go \(and not node.js\)](#) 2012-09-14

Concurrency / Channels

- [Learning Go concurrency through illustrations](#) 2018-06-21
- [Using contexts to avoid leaking goroutines](#) 2016-10-25
- [Concurrency in Go](#) 2015-12-06
- [Very basic concurrency for beginners in Go](#) 2015-11-18
- [Exploring Powerful Cloud Services with Go](#) 2015-10-11
- [3 Trivial Concurrency Exercises for the Confused Newbie Gopher](#) 2015-10-05
- [Golang lock-free values with atomic.Value](#) 2015-08-21
- [Golang Pearl: Thread-safe writes and double checked locking in Go](#) 2015-07-21
- [Building a Telnet Server in Go](#) 2015-08-28
- [Fundamentals of concurrent programming](#) 2013-01-27
- [Golang: Funny Play with Channel](#) 2012-05-25
- [Unlimited Buffering with Low Overhead](#) 2010-02-10
- [Concurrent Idioms #1: Broadcasting values in Go with linked channels](#) 2009-12-01

Containers & Docker

- [Deploying a Go app to a minimal Docker container](#) 2015-10-01
- [Fetching a remote configuration using Docker and Consul](#) 2015-09-30
- [Joining the Docker Ship and Go](#) 2015-07-01
- [Building Minimal Docker Images for Go](#) 2015-04-23

Cross-Platform Development

- [Releasing cross-platform Go binaries using Goxc and BinTray in 5 minutes](#) 2015-11-29
- [Calling Go from Swift](#) 2015-10-3
- [On Go, portability, and system interfaces](#) 2015-09-22
- [Go cross compilation](#) 2015-09-8

Error Handling

- [Returning Errors](#) 2015-10-10
- [Inspecting Errors](#) 2014-12-24

Interfaces / OOP

- [Generics in Golang with Code Generation](#) 2015-10-18
- [Composition with Go](#) 2015-09-13
- [Sorting Inventory Items in Go - the sort.Interface](#) 2015-09-06
- [Loose Coupling in Go Lang](#) 2015-02-06
- [How to use interfaces in Go](#) 2012-10-01
- [Go Object Oriented Design](#) 2013-01-14
- [It is ridiculously easy to refactor Go](#) 2013-01-27
- [Functional Iteration in Go](#) 2013-12-13
- [Interfaces in Go - Russ Cox](#) 2009-12-01

Mobile Applications

Start by reading the [overview of mobile development](#) documentation first.

- [Go Mobile: Next generation of mobile apps](#) 2015-09-18
- [iOS Apps with Go - Video by Josh Deprez](#) 2015-09-17
- [5 Part Series - Mobile Go](#) 2015-01-08

Modules

- [Introduction to Go Modules](#) 2018-08-18

Performance and Profiling

- [Mutex profile](#) 2016-12-19
- [How to Optimize Garbage Collection in Go](#) 2015-11-23
- [Golang Escape Analysis](#) 2015-10-18
- [A Pattern for Optimizing Go](#) 2015-09-24
- [Golang Performance Tips](#) 2015-09-20
- [Answering your own \(performance\) questions in Go](#) 2015-09-15
- [Concise Guide to profiling go programs](#) 2014-08-09
- [Go Performance Observations](#) 2014-08-07
- [Debugging performance issues in Go programs - Intel](#) 2014-05-10
- [How to write benchmarks in Go](#) 2013-06-30
- [Profiling Go Programs - Go blog](#) 2011-06-24

Pointers, References and Memory Management

- [Equality and Type Aliases](#) 2015-09-02
- [Pointers vs References](#) 2014-06-01
- [Recycling Memory Buffers in Go](#) 2013-08-24
- [Learning Go Types](#) 2012-01-27

Reflection

- [Go Reflection Index](#) by Jimmy Frasche 2014-01-26

Security

- [Mutual TLS authentication in Go](#) 2015-11-21
- [Whispered Secrets - The case for building software with privacy as a primary concern](#) 2015-09-19

Testing

- [Getting Started with BDD in Go Using Ginkgo](#) 2016-07-12
- [Integration testing in Go using Docker](#) 2015-12-07
- [Debugging Go Programs with Delve](#) 2015-12-03
- [Upgrade Your Appengine Tests with Testify](#) 2015_11_21

Web & API Development

Start by reading the [overview of server programming](#) documentation first.

- [Get started with Go and WebAssembly](#) 2018-08-14
- [HTTP/2 Server Push](#) 2016-12-10
- [Preventing Cross-Site Request Forgery in Go](#) 2015-12-14
- [goa: Untangling Microservices](#) 2015-12-07
- [A Weekend with Go, Beego and React](#) 2015-11-03
- [HTTP Session Handling on Heroku](#) 2015-09-09
- [Go Resiliency Patterns](#) 2015-09-01
- [http.Handler and Error Handling in Go](#) 2015-07-02
- [Deploy a golang photo archive tool to the cloud on IBM BlueMix](#) 2015-06-05
- [A Journey into Microservices - Part 1, Part 2, Part 3](#) 2015-03_09
- [Making a RESTful JSON API in Go](#) 2015-01-01
- [Building a Web Server in Go](#) 2014-09-01

Misc

- [Environment variables in Golang](#) 2020-09-28
- [Using MongoDB as Datasource in GoLang](#) 2020-09-21
- [Go-powered Open Source IoT Integration Framework "Flogo"](#) 2016-11-07
- [Build Slack Slash Commands with Go](#) 2015-09-15
- [String Matching by Damian Gryski](#) 2014-12-05
- [State machines in Go \(#golang\)](#) 2013-02-10
- [Go & Assembly](#) 2013-02-05
- [Function Types in Go \(golang\)](#) 2013-02-05
- [Optimizing Real World Go](#) 2013-01-05
- [Methods as Objects in Go](#) 2012-12-26
- [Applying The Clean Architecture to Go applications](#) 2012-09-08
- [An introduction to cross compilation with Go](#) 2012-09-08
- [Function Call by Name in Golang](#) 2012-07-05
- [Using the Go Regexp Package](#) 2012-07-05
- [Zero Downtime upgrades of TCP servers in Go](#) 2012-05-29
- [Go Reflection Codex](#)
- [Go JSON Marshalling and Unmarshalling cheatsheet](#) 2015-09-30

Chinese

- [Test Go module](#)
- [Build web application with golang](#)
- [Go语言评估报告](#)
- [Why you PHP guys should learn Golang](#)

- [Function Call by Name in Golang](#)
- [Golang: Funny Play with Channel](#)
- [Using MySQL - A interface of database/sql](#)
- [Go did What on the Stack?](#)
- [Gobs on the wire \(Translation\)](#)
- [Go Environment Setup \(Translation\)](#)
- [Error Handling and Go \(Translation\)](#)
- [The Go Tool \(Translation\)](#)
- [Less is exponentially more \(Translation\)](#)
- [Zero Downtime upgrades of TCP servers in Go \(Translation\)](#)
- [Using Go Modules \(Translation\)](#)

Czech

- [Google Go - 1st birthday](#)
- [Google Go - what we find in the kit](#)
- [Google Go - advanced topics](#)
- [Google Go by examples I.](#)
- [Google Go by examples II.](#)
- [Error handling in Go](#)
- [Google Go - The Laws of Reflection](#)
- [Google Go - 2nd birthday](#)

German

- [Der GoLang-Spicker 2018-08-30](#)
- [Programmiersprachen im Multicore Zeitalter - Google GO und Nebenläufigkeit](#) [PDF] 2012-02-02
- [A list of German press articles about Go](#)

Japanese

- [WindowsでGo言語のまとめ](#)
- [Go言語でjQuery ライクな操作が出来る goquery を試した。](#)
- [Go言語向けの ORM、_gorp がなかなか良い](#)
- [GAE/GでGoogle Cloud Storageを利用するには \(1\)](#)
- [Go言語のWebフレームワーク"goweb"をGAE/Gで動かす](#)
- [Ubuntu 12.04にgolangを"ソースから"インストールする。](#)
- [GAE/Gで時間のチェック \(Datastore編\)](#)

Korean

- [The Go Programming Language](#)
- [You can read Go code](#)
- [Go channel tutorial](#)
- [Go character encoding](#)
- [Using Google API in Go](#)
- [Go로 Git 들여다보기](#)
- [Go: 90% 완벽?, 100% of the time 슬라이드 번역](#)
- [Go 동시성 패턴 advanced 영상 번역](#)
- [Go + Revel + Gorp 간단 게시판 만들기](#)
- [Go + Revel + Gorm 으로 만드는 블로그](#)