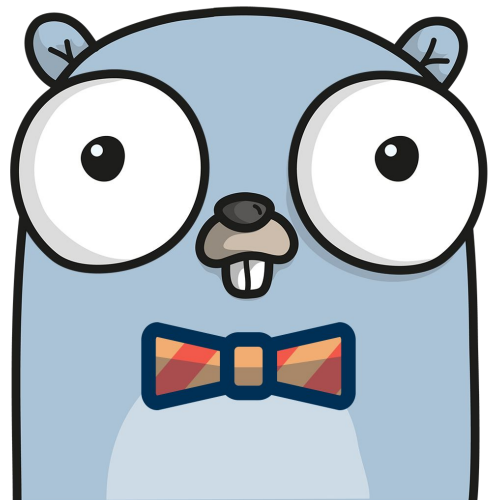


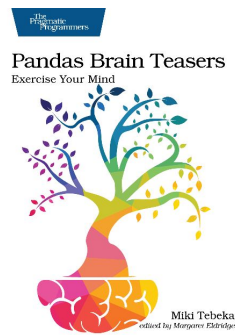
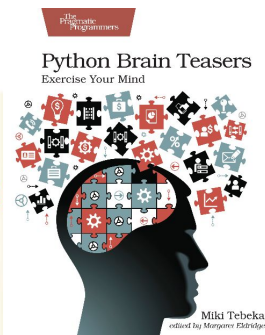
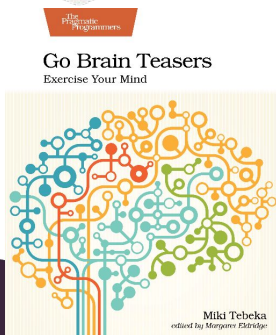
Practical GO For Developers



miki @tebeka

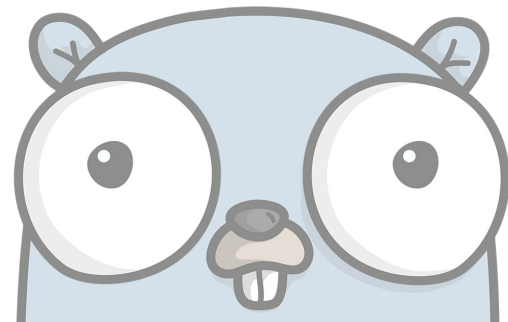


CEO,
CTO,
UFO



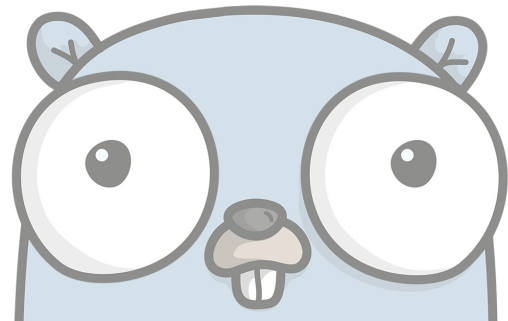
Background

- Developed and backed by Google
 - Robert Griesemer, Rob Pike and Ken Thompson
- Open sourced November 2009
- Version 1 March 2012



Notable Users

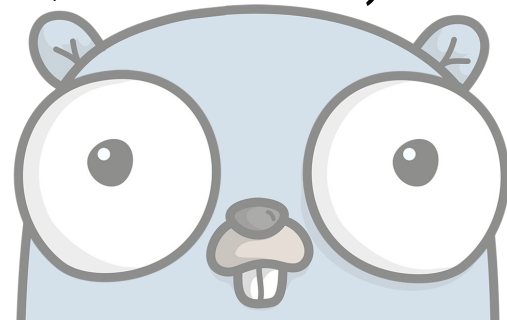
- Google
 - dl.google.com
- Docker & Kubernetes are written in Go
- AT&T
- Facebook
- Netflix
- And many more ... (see [here](#))



Why Go?

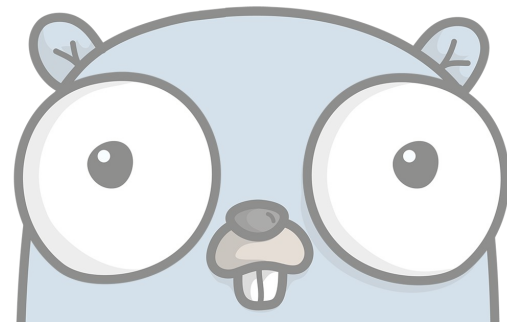
Built for Modern Times

- The free lunch is over
 - goroutines
 - channels
- The C10k problem
 - goroutines
 - Production ready HTTP server (TLS, HTTP 2 ...)



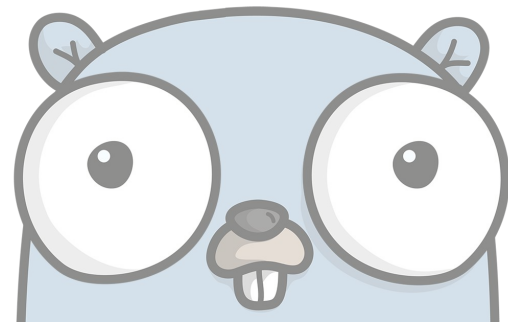
Built for Large Teams

- Small language
 - C based syntax
- Simple language
 - Easy to understand & maintain
- Module system
 - Reusability
- Interfaces
 - Modularity



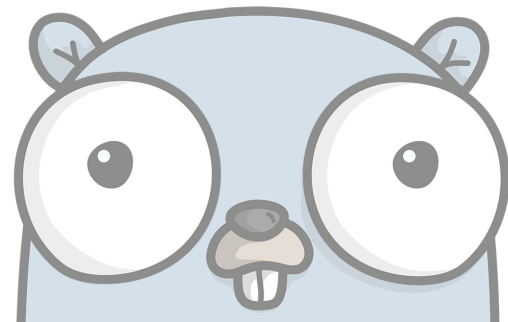
Robust & Productive

- Static types
 - Yet feels dynamic
- Garbage collector
 - Sub millisecond pauses
- Rich & mature standard library
- Fast compilation
- Forces you to check errors



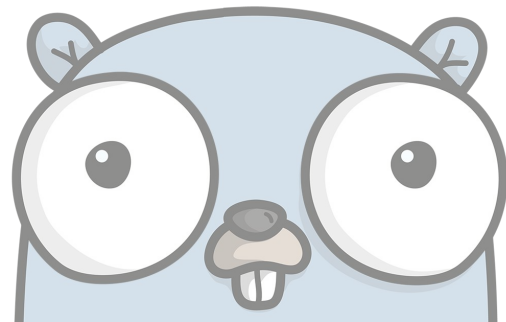
Great Tooling

- The go tool
 - build, run, test, benchmark, install ...
- Modules
 - Dependency management
- Build in profiler & tracer
 - With web interface
- Built in logging & metrics
- A lot of 3rd party modules



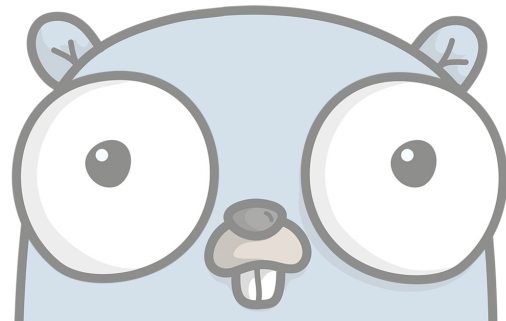
Will Save You Money

- [lovable went down](#) from 200 to 10 servers
 - 12% faster request times
- Stable API
- Compiles to static executable
 - Easy deployment
- Easy to cross compile



Great Community

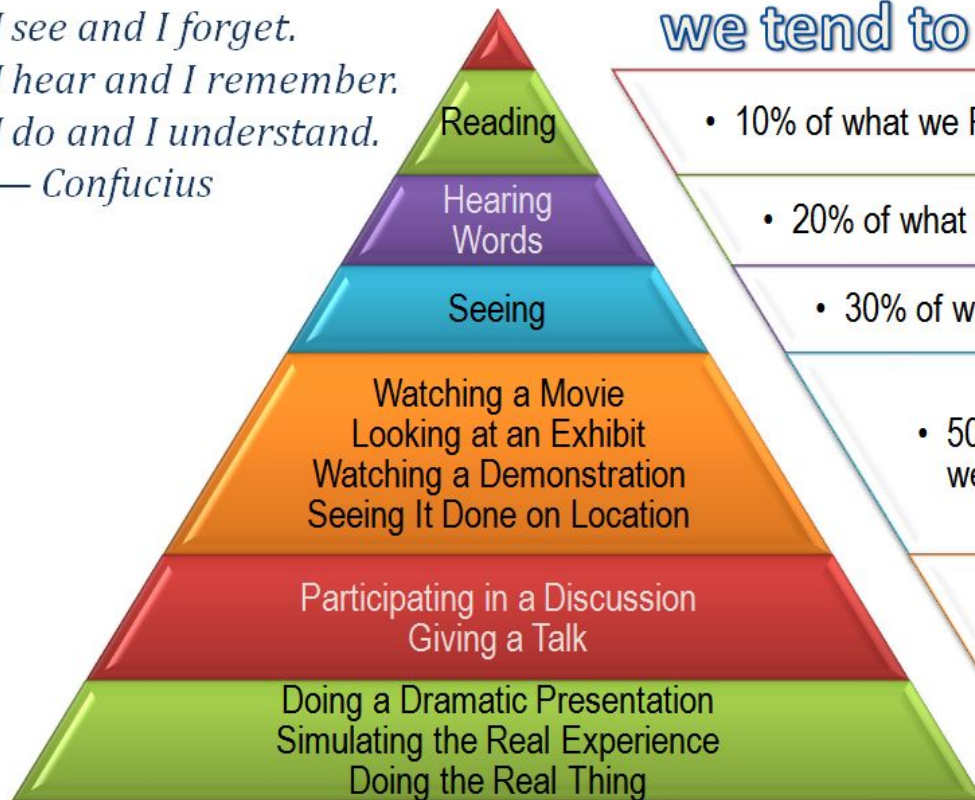
- People *will* help you
- A lot of reference material
 - [A Tour of Go](#)
 - [The Go Programming Language](#)
- GopherCon [conferences](#)
- [Meetups](#)



**The vodka is
good, but the
meat is rotten.**

The Cone of Learning

*I see and I forget.
I hear and I remember.
I do and I understand.*
— Confucius



After 2 weeks,
we tend to remember ...

- 10% of what we READ
- 20% of what we HEAR
- 30% of what we SEE
- 50% of what we SEE & HEAR
- 70% of what we SAY
- 90% of what we SAY & DO

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**You learn something by
doing it yourself, by asking
questions, by thinking, and
by experimenting.**

Richard Feynman





Let's Roll!

