Introducing Go

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Overview

Go Overview
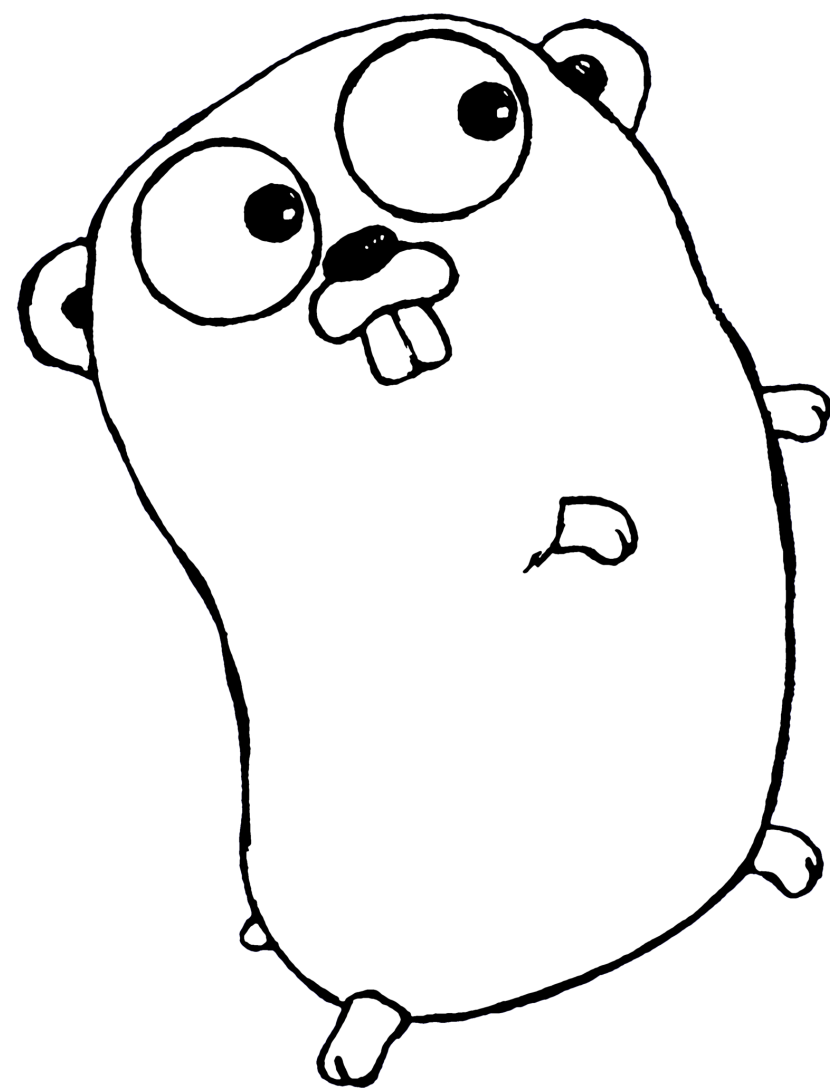
Installing Go

Go Overview

Go mascot

Known as the "Go Gopher"

Designed and drawn by Renée French

Created by
– Robert Griesemer
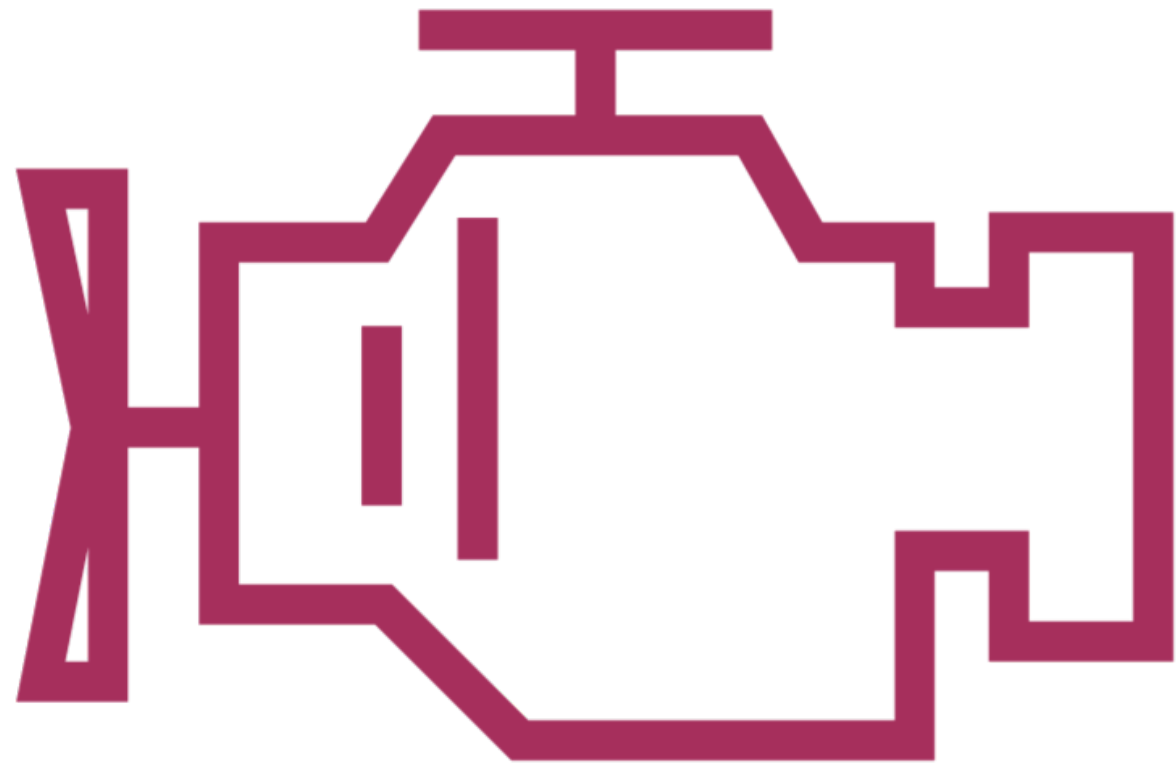– Ken Thompson
– Rob Pike

Work started ~2007

First release 2009

Young compared to a lot of languages

Notable projects written in Go
– Docker
– Kubernetes
– etcd
– Terraform...

Designed as a "systems" language

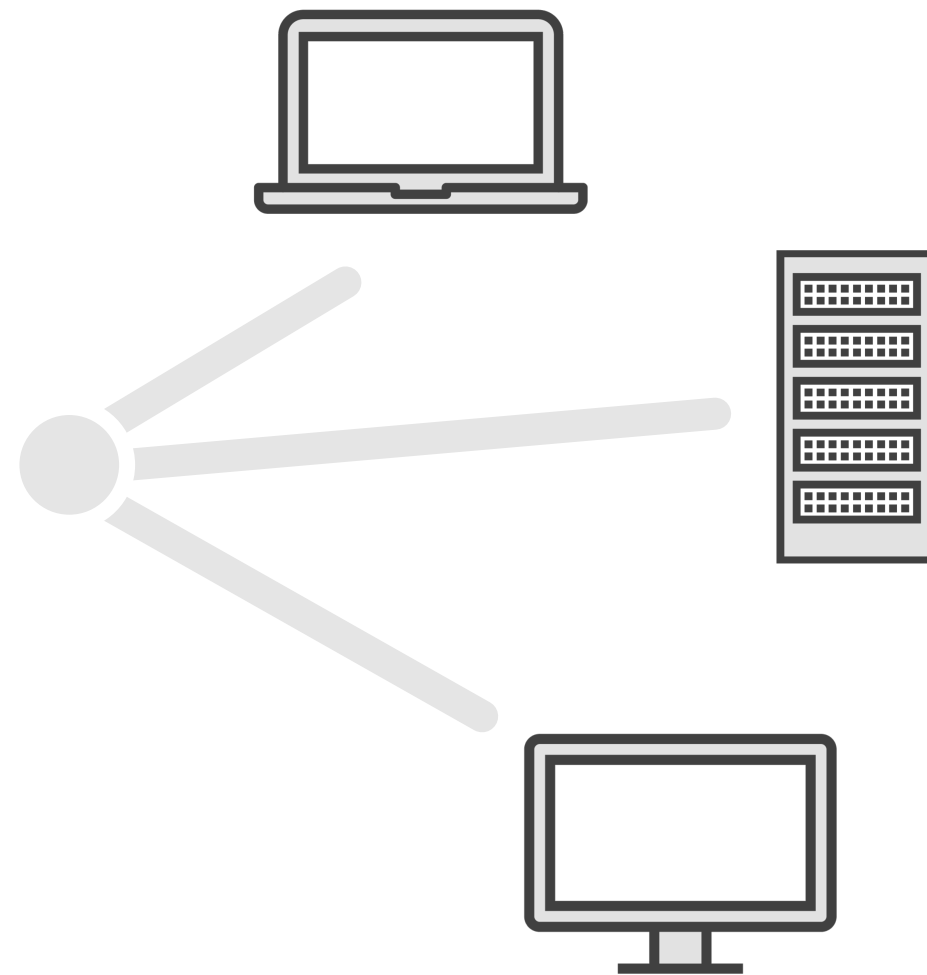**Evovled as a great "all-rounder"**

Similar to C, but simpler

– Cleaner

– More concise

– Does its own garbage collection...

if, else,
import, var,
const, package,
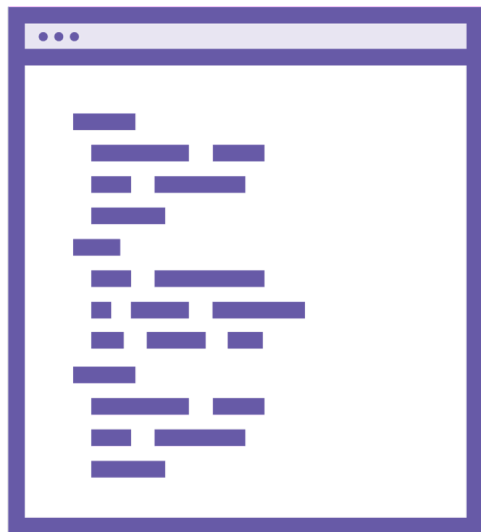select, case,
break, goto,
map, struct…

Only has 25 keywords

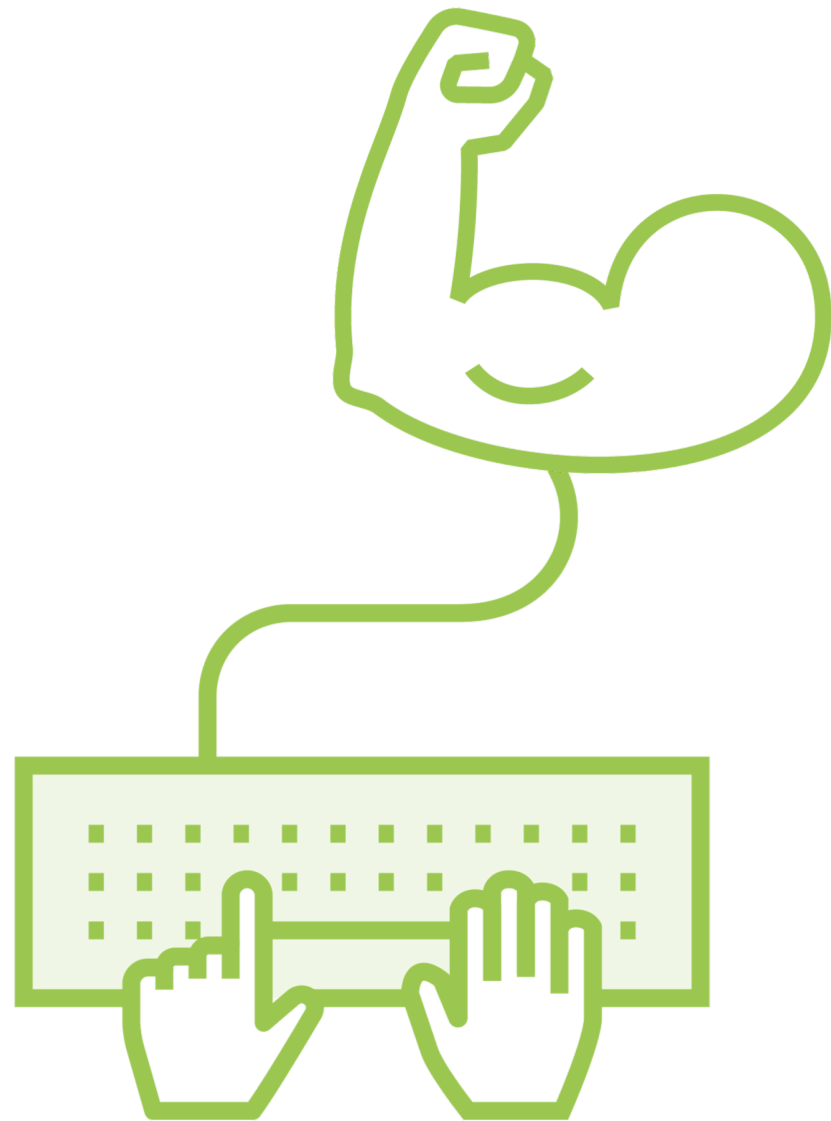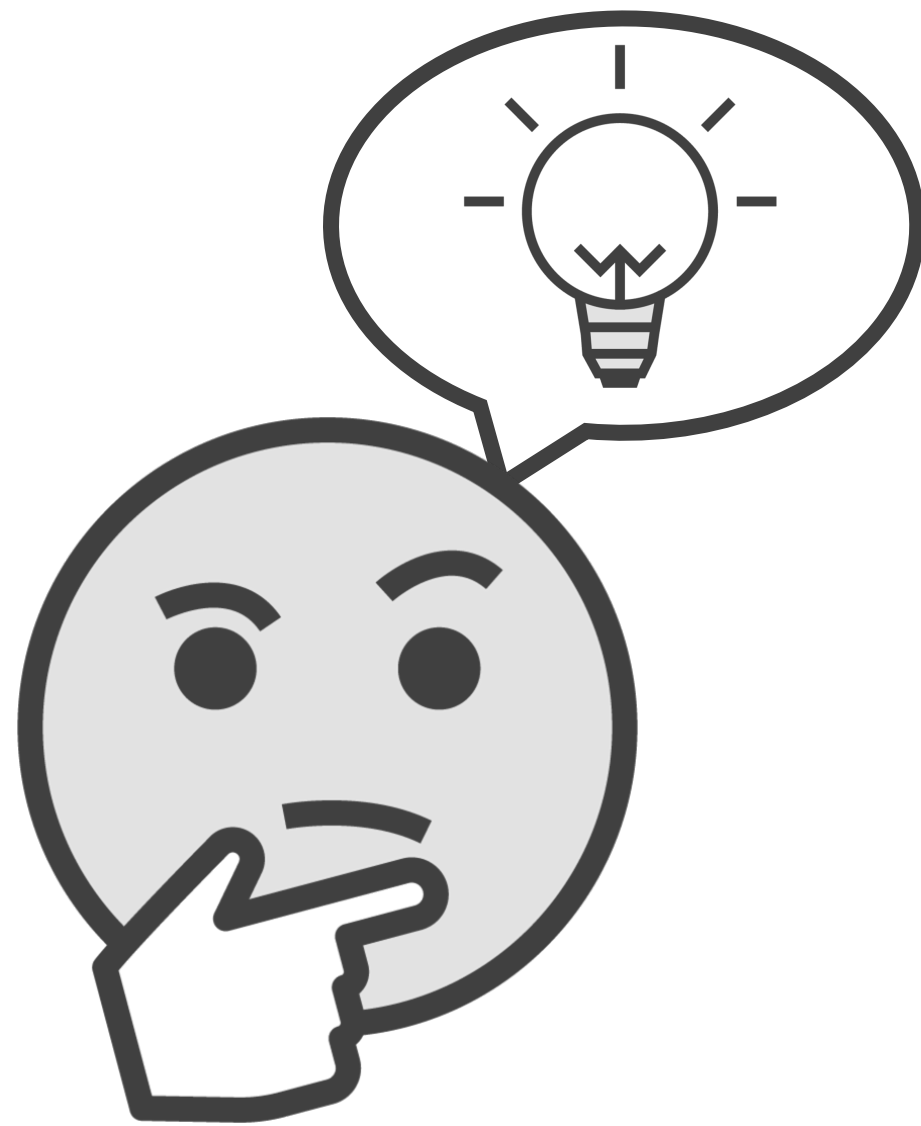**Cross-platform**
– Windows
– Linux
– Mac
– More...

10110101…

Compiles to machine code

Fast!

Strict about variable types etc.

Forces good clean code

Supports type inference

```
a := 5.5

a := 10

int a = 10 (C example)
```

Go

Modern & clean

Systems language

Good all-rounder

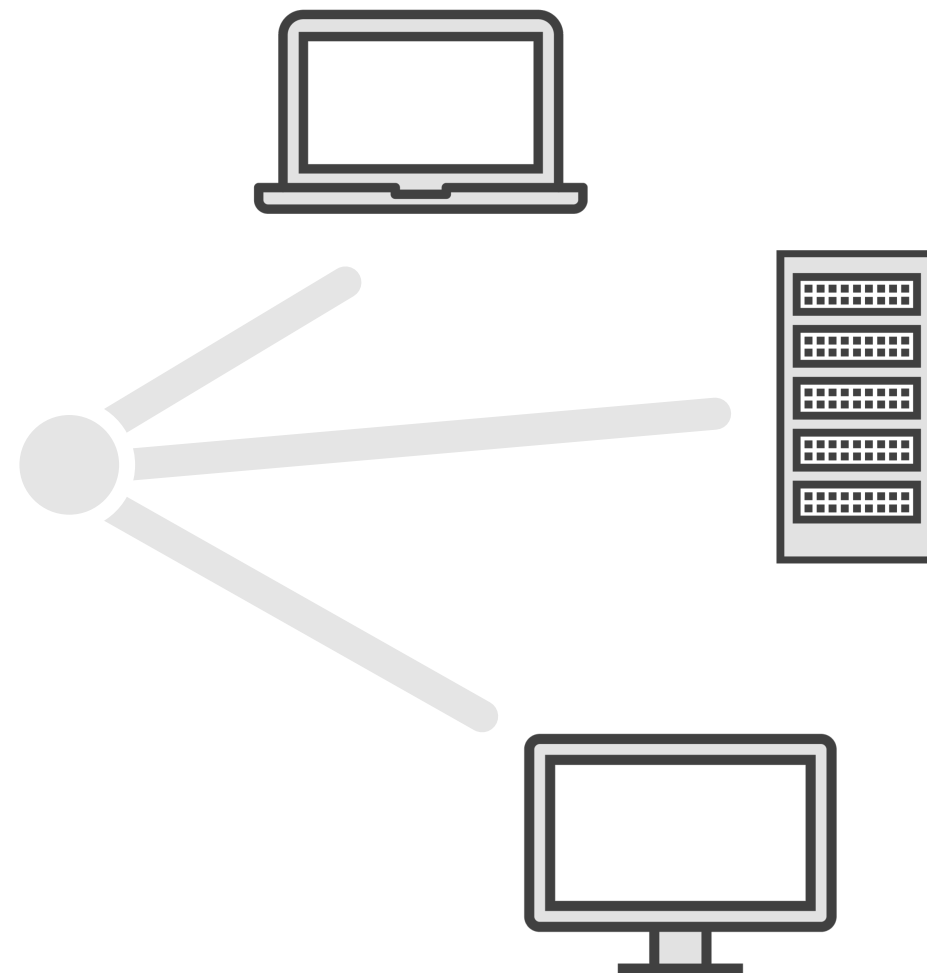Strongly typed

Compiled

. . .

Up Next:
Installing Go

Installing Go

Cross-platform
- – Compiles programs for many platforms
- – Can be installed on many platforms

Installation on Windows, Mac and Linux is easy

Other installations require more effort

Up Next:
Hello World