Parallel Processing in Go
Flyfishing and a Monte Carlo Experiment

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What is Go?

Go is an open source, general purpose programming language which began development in 2007. It is ...

- Compiled
- Garbage collected
- Type/memory safe
- Concurrent
- Namespaced
- OOP friendly
- Unicode based

Who made Go?

Google hired a few old time pioneers to design and develop Go.

- Ken Thompson (C and Unix)
- Rob Pike (Unix and UTF-8)
- Robert Griesemer (not as famous)

Why did they make Go?

There was no existing language that met all 3 creteria that Google wanted.

- Efficient compilation
- Efficient execution
- Ease of programming

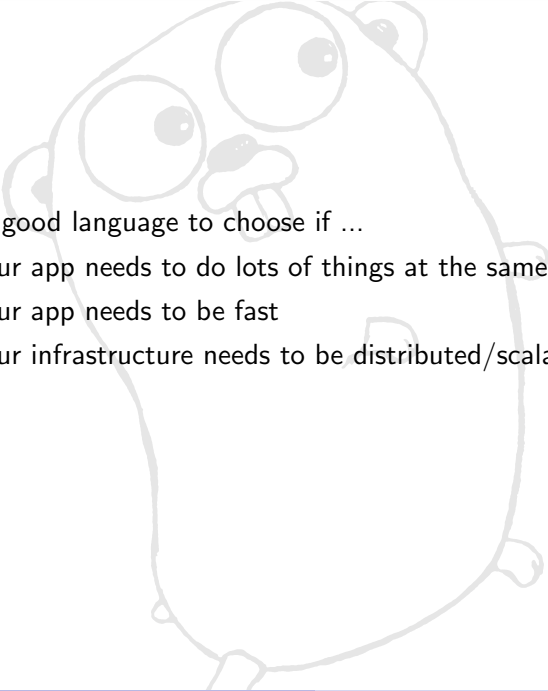Open https://github.com/mgbelisle/flyfishing

or ...

```
$ go get github.com/mgbelisle/flyfishing
$ cd $GOPATH/src/github.com/mgbelisle/flyfishing
$ go run flyfishing/main.go > ~/Desktop/fish.svg
```

Should your project be written in Go?

Go is not a good language to choose if ...

- Your app needs a UI toolkit
- The devs need mountains of example code

Go is a good language to choose if ...

- Your app needs to do lots of things at the same time
- Your app needs to be fast
- Your infrastructure needs to be distributed/scalable

Q&A