Introduction to Go

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Summary

Go is a brand-spanking-new systems language that Google released in November, 2009. Every wonder how awesome C would be if it was garbage-collected, concurrent, and didn't take a few weeks to compile? Wake up; it's here! We'll take a look at this new language that steals some of the dynamic flexibility of Python and Ruby, the performance of C, and a compile time that you'll miss if you blink.

Why Do We Need a Systems Language?

```
_(__,___,____,_____){___/
__<=_____?_(__,___+_____,____,__
__&&!____?(printf("%d\t",___/
__),_(__,___+_____,____,_____)):
__)?_(__,___+_____,
____+!(___/
__%(___%__)),_____):___<__*__?_(
0, 0, 1);}
```

Ruby Code

```
puts "hey"
5 + 5 = 10
def foo
  eval("4")
end
```

Specifications

- Compiled
- Imperative, structured
- Concurrent
- Strongly typed (explicit or inferred)